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PRODUCT INFORMATION

AS AST

Aeris™



Intended Use
For streets, walkways, parking lots and surrounding areas.

Construction
Housing: Rugged, die-cast, single-piece aluminum housing with nominal 1/8" wall thickness.

Door Assembly: Die-cast doorframe, impact-resistant, tempered glass lens, 3/16" thick, fully sealed with one-piece tubular silicone gasket.

Finish: Standard finish is dark bronze polyester powder finish. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Anodized segmented reflectors for superior uniformity and control. Reflectors attach

with tool-less fasteners and are rotatable and interchangeable. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw), and Type V (symmetric square).

Electrical
Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W

(must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for AS1, mogul-base socket for AS2, with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Heavy-duty easy-mount block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. Additional backing plate and receiver used to mount AST suspend tension rod. AST1 mounts 9.64" lower than specified pole height. AST2 mounts 13.89" lower than specified pole height.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25 °C ambient and wet locations. U.S. Patent No. D447,590. Canadian Patent No. 94324. IP65 Rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: AS1 150M SR2 TB SPA LPI

Series	Lamp type ¹	Distribution ¹			Voltage	Ballast	Mounting ¹⁴	
AS1	High pressure sodium ²	400S	250M	Compact fluorescent	120	(blank) Magnetic ballast	<u>Ships included</u>	
AS2	35S ³	Metal halide	320M ⁷	SR2				Type II segmented
AST1	50S ⁴	50M ^{2,5}	400M	2/32TRT ⁹	208¹⁰	CWI	Constant wattage isolated ¹²	
AST2	70S	70M ^{2,5}	Metal halide ceramic ⁸	42 TRT	240¹⁰	SCWA	Super CWA ballast	
	100S	100M ²	50MHC ^{2,5}	2/42TRT ⁹	277			
	150S	150M	70MHC ^{2,5}	57TRT	347			
	200S	175M⁶	100MHC ²	70TRT	480¹⁰			
	250S	200M ⁷	150MHC	SR4W	Type IV segmented, FT, wide			
				SR5S	Type V segmented, square			
					TB¹¹	WBA	Wall bracket (up or down) ¹⁵	
					23050HZ¹²	<u>Ships separately^{16,17}</u>		
					MVOLT¹³	ASKMA1	AS1 mast arm adaptor	
						ASKMA2	AS2 mast arm adaptor	
							DCAS1	AS1 Deco arm for square pole
							DCAS1R	AS1 Deco arm for round pole
							DCAS2	AS2 Deco arm for square pole
							DCAS2R	AS2 Deco arm for round pole

Options	Finish	Lamped
<u>Ships installed</u>	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V ¹⁸	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V ¹⁸	DGC Charcoal gray	
GMF Internal slow-blow fusing	DMB Medium bronze	
ELDW Bodine emergency battery backup ¹⁸	DNA Natural aluminum	
EC Emergency circuit ^{18,19}	DWH White	
QRS Quartz restrike system ^{18,19}	CR Enhanced corrosion resistance	
PER NEMA twist-lock receptacle only ²⁰	CRT Non-stick protective coating (black)	
HS House-side shield ²¹		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
<u>Ships separately¹⁶</u>		
PE1 NEMA twist-lock PE (120V-240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap for PER option		
VG Vandal guard ²²		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

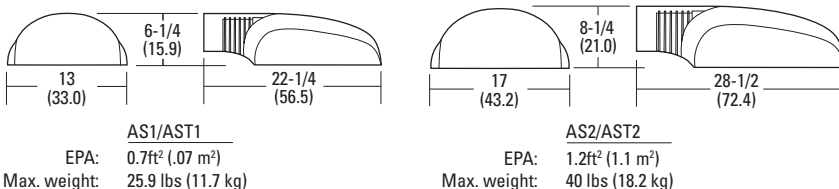
CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
AS1, AST1	35S, 50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT	SR2, SR3, SR4SC, SR5S
AS1, AST1	2/32TRT, 2/42TRT	SR3
AS2, AST2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SR2, SR3, SR4SC, SR4W, SR5S

DRILLING PATTERNS	
(SEE POLE ORDERING, PAGE 588)	
DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°
DM32AS	3 at 120° (round poles only)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- 120V only.
- 120V and 277V only.
- Not available with 480V.
- Not available AS1/AST1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Mounting block included standard.
- Mounted in lens up orientation, fixture is damp location rated. AST available in down orientation only.
- May be ordered as accessory. Not available with AST.
- Must specify finish.
- SF, DF, QRS, EC, or ELDW options cannot be ordered together.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3, SR4W only.
- Prefix with fixture name and size (e.g., AS1VG).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use

Streets, walkways, parking lots and surrounding areas.

Construction

Housing: Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Door assembly: Die-cast door-frame has impact-resistant, tempered glass lens (3/16" thick), fully gasketed with one-piece tubular silicone. Finish: Dark bronze polyester powder finish standard. Additional architectural colors available, see www.lithonia.com/archcolors.

Optics

MIRO finish, segmented reflectors for superior unifor-

mity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable. Four full cutoff distributions available.

Electrical

Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for

U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast. High-frequency generator for Induction.

Socket: Porcelain, medium-base socket for MR1, mogul-base socket for MR2, with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Heavy-duty easy-mount block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. Additional backing plate and receiver used to mount MRT suspend tension rod. MRT1 mounts 9.64" lower than specified pole height. MRT2 mounts 13.89" lower than specified pole height.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 Rated. U.S. Patent No. D556,357.

MR MRT

Omero™



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: MR1 150M SR3 TB SPA LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting ¹⁴
MR1	High Pressure Metal Halide	SR2 Type II segmented	120	(blank) Magnetic ballast	Ships included
MR2	Sodium ²	SR3 Type III segmented	208 ¹⁰	CWI Constant wattage isolated ¹²	SPA Square pole mounting block
MRT1	35S ³	SR45C Type IV segmented, FT, sharp cutoff	240 ¹⁰	SCWA Super CWA ballast	RPA Round pole mounting block
MRT2	50S ⁴	SR4W Type IV segmented, FT, wide	277		WBA Wall bracket (up or down) ¹⁵
	70S	SR5S Type V segmented, square	347		Ships separately ^{16,17}
	100S		480 ¹⁰		DCMR1 MR1 Deco arm for square pole
	150S		TB ¹¹		DCMR1R MR1 Deco arm for round pole
	200S		23050HZ ¹²		DCMR2 MR2 Deco arm for square pole
	250S		MVOLT ¹³		DCMR2R MR2 Deco arm for round pole
	400S				

Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
GMF Internal slow-blow fusing	DMB Medium bronze	
QRS Quartz restrike system ¹⁸	DNA Natural aluminum	
EC Emergency circuit ¹⁸	DWH White	
	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

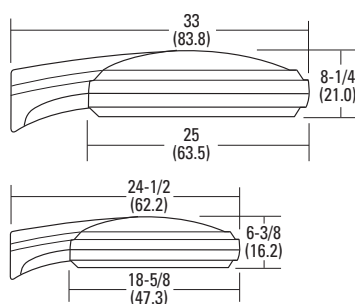
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
MR1, MRT1	35S, 50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT	SR2, SR3, SR45C, SR5S
MR1, MRT1	2/32TRT, 2/42TRT	SR3
MR1, MRT1	100IL	Not applicable
MR2, MRT2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SR2, SR3, SR45C, SR4W, SR5S
MR2, MRT2	150IL	Not applicable

DRILLING PATTERNS	
(SEE POLE ORDERING, PAGE 588)	
DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°
DM32AS	3 at 120° (round poles only)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	MR1/MRT1	MR2/MRT2
EPA:	0.54ft ² (0.05 m ²)	0.91ft ² (0.08 m ²)
Max. weight:	27 lbs (12.2 kg)	46 lbs (20.9 kg)
Induction weight:	35 lbs (15.9 kg)	

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- 120V only.
- 120V and 277V only.
- Not available with 480V.
- Not available MR1/MRT1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast
- (Compact fluorescent and Induction only) capable of operating on any line voltage between 120V and 277V.
- Mounting block included standard.
- Mounted in lens up orientation, fixture is damp location rated. MRT available in down orientation only.
- May be ordered as accessory. Not available with MRT.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3, SR4W only.
- Prefix with fixture name and size (e.g., MR1VG).

PRODUCT INFORMATION

MRP

Omero™



Intended Use
Streets, walkways, parking lots and surrounding areas.

Construction
Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast, top-access door-frame has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

Finish: Standard finish is dark bronze corrosion-resistant polyester powder finish. Additional architectural colors are available; see www.lithonia.com/archcolors.

Optics
MIRO finish, segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric square). Not applicable with Induction.

Electrical
Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for

150W and below. Constant wattage autotransformer 175W. MH: CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast. High-frequency generator for Induction.

Socket: Porcelain, medium-base socket with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp

life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Mounts to a 4" round open-top pole. Optional mounting available.

Listings
Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). Optical chamber is IP65 rated. U.S. Patent No. D553,779.



Example: MRP 150M SR3 TB LPI

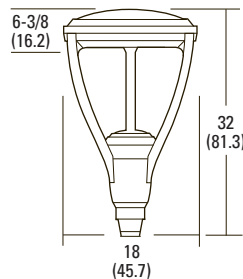
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type ¹	Distribution ¹	Voltage	Balast	Mounting	
MRP	High pressure sodium ⁴	150M	SR2 Type II segmented	120	(blank) Magnetic ballast	Ships installed (blank) 4" round open-top pole Ships separately ^{12,13} MRPF3 4" to 3" O.D. round open-top pole fitter MRPF5 4" to 5" O.D. round open-top pole fitter MRPT20 MRP 2-3/8" tenon slipfitter MRPT25 MRP 2-7/8" tenon slipfitter
	50S	175M⁴	SR3 Type III segmented	208 ⁷	CWI Constant wattage isolated ⁹	
	70S	Metal halide ceramic ⁵	SR4SC Type IV segmented, FT, sharp cutoff	240 ⁷	SCWA Super CWA ballast ¹¹	
	100S	70MHC ^{2,3}	SR5S Type V segmented, square	277		
	150S	100MHC ²		347		
	Metal halide	150MHC		480⁷		
	70M ^{2,3}			TB⁸		
	100M ²			23050HZ ⁹		
				MVOLT ¹⁰		
	Options					
Ships installed		TP Tamperproof	Ships separately ¹²		Finish	
SF Single fuse, 120V, 277V, 347V	HS House-side shield ¹⁶	PE1 NEMA twist-lock PE (120V-240V)	(blank) Dark bronze (std.)	LPI Lamp included		
DF Double fuse, 208V, 240V, 480V	CSA Meets Canadian standards	PE3 NEMA twist-lock PE (347V)	DBL Black	L/LP Less lamp		
GMF Internal slow-blow fusing	NOM Meets Mexican standards (consult factory)	PE4 NEMA twist-lock PE (480V)	DGC Charcoal gray			
EC Emergency circuit ¹⁴	INTL International shipment for 175M	PE7 NEMA twist-lock PE (277V)	DMB Medium bronze			
QRS Quartz restrike system ¹⁴		SC Shorting cap for PER option	DNA Natural aluminum			
PER NEMA twist lock receptacle only ¹⁵		VG Vandal guard ¹⁷	DWH White			
			CR Enhanced corrosion resistance			
			CRT Non-stick protective coating (black)			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS	
	LAMP TYPE	DISTRIBUTION
MRP	50S, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT	SR2, SR3, SR4SC, SR5S
MRP	2/32TRT, 2/42TRT	SR3
MRP	100IL	Not applicable

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 1.125 ft²
Weight: 33 lbs (15.0 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (Compact fluorescent and Induction only) capable of operating on any line voltage between 120V and 277V.
- Only available with 150M or 150MHC.
- May be ordered as accessory.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3 only.
- Order as MR1VG as an accessory.

ALX



Intended Use

Streets, walkways, parking lots, and surrounding areas.

Construction

Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modular design allows for ease of maintenance and potential for future system upgrades. Integral arm provides easy installation to a pole or wall (ALX1 only). Metallic screen covers the top of the housing preventing debris buildup while allowing for airflow. Housing completely sealed

against moisture or environmental contaminants. Low profile design minimizes wind loading.

Door assembly: Die-cast doorframe enclosing driver chambers. Doorframe is fully gasketed with one-piece tubular silicone.

Finish: Standard finish is dark bronze (DDB) corrosion-resistant polyester powder coat. Additional architectural colors available, see www.lithonia.com/archcolors.

Optics

Individual, precision molded lens assemblies provide optimal luminaire spacing and

improved uniformity. Three full cutoff systems available: Type III (asymmetric), Type IV (forward throw), Type V (symmetric). House side shield available to limit light trespass.

Electrical

Utilizes high-efficiency LEDs mounted to a metal core circuit board and aluminum heat sink, ensuring optimal thermal management. 5100° Kelvin temperature, CRI>70. Standard drivers are 120v through 277v, 50 hz to 60 hz operation. Contact factory for other voltages. Electronic drivers are accessible through hinged door. LED drivers have power factor >90%

and THD <20%. 28000L and 14000L lumen package luminaires can be wired for two circuit operation.

Installation

Heavy duty mounting block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. ALX pole mount luminaires utilize the Aeris Series pole drilling pattern.

Listings

UL Listed for 25°C ambient and wet locations. IP65 rated (pending). Down orientation only. Patents pending.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

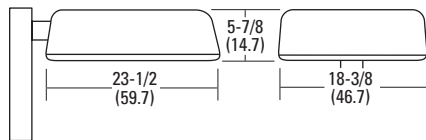
Example: ALX1 7000L SR5 MVOLT SPA

Series	Lumen output	Distribution	Voltage	Mounting ²	Options	Finish
ALX1	7000L	SR3 Type III asymmetric	480	SPA Square pole mounting block	<u>Installed</u>	(blank) Dark bronze (std.)
ALX2	14000L	SR4 Type IV forward throw	MVOLT ¹	RPA Round pole mounting block	PER NEMA twist-lock receptacle only	DBL Black
	21000L	SR5 Type V symmetric		WBA Wall bracket (down only) ³	HS House-side shield	DNA Natural aluminum
	28000L				DS Dual-switching	DWH White
					<u>Shipped separately⁴</u>	
					SC Shorting cap for PER option	
					DSSPE127 NEMA solid state twist-lock PE (120V/240V/277V)	

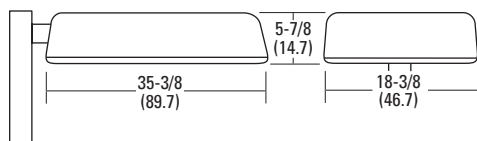
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ALX1



ALX2

Notes

- 1 Multi-volt electronic ballast capable of operating on any line voltage from 120V-277V.
- 2 Refer to technical data section in Outdoor binder for drilling template.
- 3 Available with the ALX1 only.
- 4 May be ordered as an accessory. Specification subject to change. Consult www.lithonia.com/ALX-LED for latest information.

PRODUCT INFORMATION

KSF

Spec-Form®



Intended Use
For car lots, street lighting or parking areas.

Construction
Housing: Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity.

Doorframe: Natural anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secured with one quarter-turn, quick-release fastener. Integrally designed, extruded silicone gasket provides weatherproof seal between housing and frame.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Optics: Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV is rotatable. Five cut-off distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw), R5S (square).

Lens: .125" thick, impact-resistant tempered glass with thermally applied, silk-screened power door shield.

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation
Mounting: Extruded aluminum arm for square pole mounting shipped in fixture carton as standard. Optional mountings available.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. Example: KSF1 250S R3 TB SP09 LPI

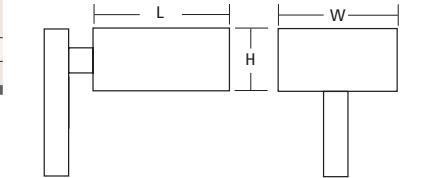
Series	Lamp type ¹	Distribution	Voltage	Ballast	Mounting			
KSF1	High pressure sodium ²	1000M ⁶	R2 Type II roadway ⁸	120	(blank) Magnetic ballast	Arm mounting	WB09 9" arm for wall	Optional mounting, ships separately ^{15, 16}
KSF2	Metal halide	R3 Type III asymmetric	208 ¹¹	CWI Constant wattage isolated ¹³	SP04 4" arm for square pole ¹⁴	WW09 9" arm for wood pole or wall	KMA External mast arm adaptor	
KSF3	Metal halide ceramic ⁷	R4 Type IV, FT ^{9, 10}	240 ¹¹	SCWA Super CWA ballast	RP04 4" arm for round pole ¹⁴	SP12 12" arm for square pole	DA12P 12" degree arm for pole	
	70S 150M	R4SC Type IV, FT, sharp cutoff ⁸	277		WB04 4" arm for wall	RP12 12" arm for round pole	DA12WB 12" degree arm for wall	
	100S 175M ³	R4W Type IV, FT, wide ^{8, 9}	347		WW04 4" arm for wood pole or wall	WB12 12" arm for wall	KTMB Twin mounting bar	
	150S 200M ⁴	R5S Type V symmetric square ⁹	480 ¹¹		SP09 9" arm for square pole ¹⁴	WW12 12" arm for wood pole or wall		
	250S 250M		TB ¹²		RP09 9" arm for round pole ¹⁴			
	400S 320M ^{4, 5}		23050HZ ¹³					
	1000S 350M ^{4, 5}							
	400M ⁵							

Options			Finish	Lamped
Ships installed			(blank) Dark bronze (std.)	LPI Lamp included
SF	Single fuse, 120V, 277V, 347V	NOM Meets Mexican standards (consult factory)	DBL Black	L/LP Less lamp
DF	Double fuse, 208V, 240V, 480V	INTL Available for MH probe start shipping outside the U.S.	DGC Charcoal gray	
EC	Emergency circuit ¹⁷	Ships separately ¹⁵	DMB Medium bronze	
QRS	Quartz restrrike system ¹⁷	PE1 NEMA twist-lock PE (120V-240V)	DNA Natural aluminum	
PER	NEMA twist-lock receptacle only ¹⁸	PE3 NEMA twist-lock PE (347V)	DWH White	
KW1	Kilowatch 120V control ¹⁹	PE4 NEMA twist-lock PE (480V)	CR Enhanced corrosion resistance	
KW4	Kilowatch 277V control ¹⁹	PE7 NEMA twist-lock PE (277V)	CRT Non-stick protective coating (black)	
CSA	Meets Canadian standards			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KSF1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3, R4SC
KSF2	250S, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S
KSF3	1000S, 1000M	R3, R4, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KSF1	KSF2	KSF3
EPA:	1.5 ft ² (0.14 m ²)	2.0 ft ² (0.19 m ²)	3.0 ft ² (0.28 m ²)
Length:	21-1/4 (54.0)	24-5/8 (62.5)	29-5/8 (75.2)
Width:	15-1/2 (39.3)	17-3/4 (45.1)	23-5/8 (59.9)
Height:	7-1/4 (18.4)	8-3/8 (21.1)	10-1/2 (26.7)
Max. weight:	35 lbs (15.9 kg)	52 lbs (23.6 kg)	80 lbs (36.3 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
 - Not available with SCWA.
 - Universal, mogul base lamp allows KSF to be available with SCWA.
 - Must be ordered with SCWA.
 - Must use ED28 lamp.
 - Must use BT37 lamp with R5S.
 - Not applicable with L/LP.
 - Not available KSF3.
 - Not available KSF1.
 - Not available KSF2.
 - Must specify CWI for use in Canada.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - Consult factory for available wattages.
 - KSF1, KSF2 must use 9" arm, KSF3 must use 12" arm when mounting two luminaires at 90°.
 - May be ordered as accessory.
 - Must specify finish.
 - Maximum allowable wattage lamp included.
 - Photocell not included.
 - Available with 150S, 250S and 400S only.
 - Prefix with fixture name and size. VG: KSF1VG, KSF2VG. HS: KSF1HS, KSF2HS (for use with R2 or R3); KSF3HS (for use with R3 or R4).

PRODUCT INFORMATION

Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Housing: Rugged, .063" thick, aluminum rectilinear housing. Formed for weather-tight seal and integrity.

Doorframe: Naturally anodized, extruded, aluminum door frame with mitered corners is retained with two hinge pins and secured with a quarter-turn fastener. Impact-resistant, tempered

glass lens is fully gasketed with one-piece tubular silicone.

Finish: Dark bronze polyester powder finish.

Optics

Anodized aluminum segmented reflectors. IES cutoff distributions: R3 (asymmetric), R4SC (forward throw, sharp cutoff), or R4W (forward throw, wide). Optional houseside shield (HS) available.

Electrical

Ballast: All ballasts are 100% factory tested. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required; must order SCWA option.

Socket: Porcelain, horizontally oriented mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. Lamp included.

Installation

Extruded aluminum arm for square pole mounting.

Listings

UL Listed (standard). UL Listed for 25°C ambient and wet locations. IP65 Rated.

KSF POLE COMBO

Spec-Form®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: **KS2400M25C R3 4C SCWA**

Series/Lamp type/Pole height		Distribution		Pole diameter	Arm length	Ballast	Options				
Series	Lamp type	Pole height	R3	Type III asymmetric	4C	(blank)	4 inches	SCWA	Super CWA ballast ²	HS	House-side shield ³
KS1	1 fixture	250M	16C	16-foot "C" pole	R4SC	Type IV, FT, sharp cutoff	5C ¹	09	9 inches		
KS2	2 fixtures	320M	20C	20-foot "C" pole	R4W	Type IV, FT, wide					
		400M	25C	25-foot "C" pole							
			30C	30-foot "C" pole ¹							

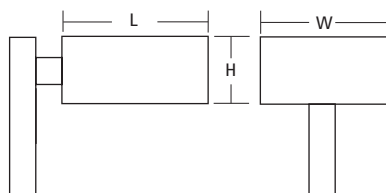
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

KS2400M25C R3 4C SCWA CONSISTS OF	
QUANTITY	CI CODE DESCRIPTION
1	SSS 25 4C DM28 PL DDB SHAFT
2	KSF2 400M R3 TB SCWA SP04 LPI
1	SBC4 DDB U
1	ABSSS-4C
1	STC-4 U

MAXIMUM M.P.H. WIND LOAD WITH 1.4 GUSTS		
POLE	KS1 SINGLE	KS2 DOUBLE
16' 4C 4" or 9" arm	100	100
20' 4C 4" or 9" arm	100	100
25' 4C 4" or 9" arm	90	80
30' 5C 4" or 9" arm	90	80

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



KSF POLE COMBO
 EPA: 2.0 ft² (0.19 m²)
 Length: 24-5/8 (62.5)
 Width: 17-3/4 (45.1)
 Height: 8-3/8 (21.3)
 Max. weight: 52 lbs (23.6 kg)

Notes

- 1 Only available 30'/5C.
- 2 Must be specified.
- 3 Ships separately. Not available with R4SC.

PRODUCT INFORMATION

KSE

Symmetra™



Intended Use
For car lots, street lighting or parking areas.

Construction
Housing: Rugged, heavy-gauge, extruded aluminum housing. Square shape, seam-welded and internally sealed for weathertight integrity.

Doorframe: Natural anodized, extruded aluminum doorframe sealed to housing by silicone closed-cell gasket and secured with one quarter-turn closing screw. Can be hinged from any of the four sides.

Finish: Standard finish is dark bronze polyester powder.

Additional architectural colors and striping available, see www.lithonia.com/archcolors.

Optics
Anodized, segmented reflectors for uniformity and control. Reflectors are tool-less, rotatable and interchangeable. Five cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw) and R5S (symmetric).

Lens: 0.125"-thick, impact-resistant tempered glass.

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat

dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium

base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation
Mounting: Extruded 4" aluminum arm for square pole mounting, shipped in fixture carton as standard. Optional mountings available.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.

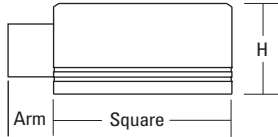


ORDERING INFORMATION		For shortest lead times, configure products using bolded options .				Example: KSE1 150M R3 277 SP09 LPI				
Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting					
KSE1	High pressure sodium ²	320M ⁴	120	(blank) Magnetic ballast	Ships included	Ships separately ^{12, 13}				
KSE2	Metal halide	350M ^{4, 5}	208 ⁸	CWI Constant wattage isolated ¹⁰	SP04 4" arm for square pole ¹¹	KMA	External mast arm adaptor			
	100M ²	400M⁵	240 ⁸	SCWA Super CWA ballast	RP04 4" arm for round pole ¹¹	DA12P	12" degree arm for pole			
	70S	150M	277		WB04 4" arm for wall	DA12WB	12" degree arm for wall			
	100S	Metal halide ceramic ⁶	347		SP09 9" arm for square pole	KTMB	Twin mounting bar			
	150S	100MH ^{C2}	480 ⁸		RP09 9" arm for round pole					
	250S	150MHC	TB⁹		WB09 9" arm for wall					
	400S		23050HZ ¹⁰							
Options		Finish		Lamped						
Ships installed		NOM	Meets Mexican standards (consult factory)	SC	Shorting cap for PER option	(blank)	Dark bronze (std.)		LPI	Lamp included
SF	Single fuse, 120V, 277V, 347V	INTL	Available for MH probe start shipping outside the U.S.	HS	House-side shield ¹⁶	DBL	Black		L/LP	Less lamp
DF	Double fuse, 208V, 240V, 480V	Ships separately ¹²		VG	Vandal guard ¹⁶	DGC	Charcoal gray			
EC	Emergency circuit ¹⁴	PE1	NEMA twist-lock PE (120V-240V)			DMB	Medium bronze			
QRS	Quartz restrrike system ¹⁴	PE3	NEMA twist-lock PE (347V)			DNA	Natural aluminum			
PER	NEMA twist-lock receptacle only ¹⁵	PE4	NEMA twist-lock PE (480V)			DWH	White			
KW1	Kilowatch 120V control ¹⁶	PE7	NEMA twist-lock PE (277V)			CR	Enhanced corrosion resistance			
KW4	Kilowatch 277V control ¹⁶					CRT	Non-stick protective coating (black)			
CSA	Meets Canadian standards									

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KSE1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M	R2, R3, R4SC
KSE2	250S, 250M, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KSE1	KSE2
EPA:	1.3 ft ² (.12m ²)	1.9 ft ² (.18m ²)
Square:	15-3/4 (40.0)	19 (48.3)
Height:	8-3/4 (22.2)	11 (27.9)
Max. weight:	26.6 lbs (12.1 kg)	39.9 lbs (18.1 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
 - Not available with SCWA.
 - Universal, mogul base lamp allows KSE to be available with SCWA.
 - Must be ordered with SCWA.
 - Must use ED28 lamp.
 - Not applicable with L/LP.
 - Not available KSE1.
 - Must specify CWI for use in Canada.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - Consult factory for available wattages.
 - Use 9" arm when mounting two luminaires at 90°.
 - May be ordered as an accessory.
 - Must specify finish.
 - Maximum allowable wattage lamp included.
 - Photocell not included.
 - Available with 150S, 250S and 400S only.
 - Prefix with fixture name and size. VG: KSE1VG, KSE2VG. HS: KSE1HS, KSE2HS (for use with R2 or R3).

KVE



Intended Use

For streets, parking lots and surrounding areas.

Construction

Housing: Square, rugged, heavy-gauge, extruded aluminum housing. Fully gasketed for weather-tight integrity.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors and striping available, see www.lithonia.com/archcolors.

Optics

Segmented, anodized aluminum optics are interchangeable and rotatable. Vertically lamped sealed optics include

symmetric, symmetric cutoff, asymmetric and asymmetric cutoff. Design redirects light around arc-tube for optimum lamp life and maximum efficiency. Five horizontal lamp cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff) R4W (wide, forward throw) and R5S (symmetric).

Lens: Impact-resistant, clear, 3/16" thick, tempered drop lens.

Electrical

Electrical components mounted to heavy-gauge

plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 175W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 175-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed

1500W-600V, 4KV pulse rated (5KV for 1000S).

Installation

Mounting: Extruded aluminum arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. U.S. Patent No. D417,026.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KVE2 400S SYM TB SPV12 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting
KVE2	High pressure sodium ²	Horizontal lamp ⁵	120	(blank) Magnetic ballast	Arm mounting ¹¹
KVE3	250S 400S 750S 1000S	R2 Type II roadway ⁶ R3 Type III asymmetric ⁶ R4SC Type IV, FT, sharp cutoff ⁶ R4W Type IV, FT, wide ⁷ R5S Type V symmetric square ⁷	208 ⁸ 240 ⁸ 277 347 480 ⁸ TB ⁹ 23050HZ ¹⁰	CWI Constant wattage isolated ¹⁰ SCWA Super CWA ballast	SPV04 4" square pole arm RPV04 4" round pole arm SPV06 6" square pole arm RPV06 6" round pole arm SPV09 9" square pole arm RPV09 9" round pole arm
	Metal halide 175M ³ 200M ⁴ 250M 320M ⁴ 350M ⁴ 750M ⁴ 1000M				SPV12 12" square pole arm RPV12 12" round pole arm SPV14 14" square pole arm RPV14 14" round pole arm WBV09 9" wall bracket WWV09 9" wood pole or wall arm
					Post-top mounting PT4 Post top 4" OD open top pole PT4S Post top, 4-1/2" OD open-top pole PT5 Post top, 5" OD open-top pole PT6 Post top, 6" OD open-top pole

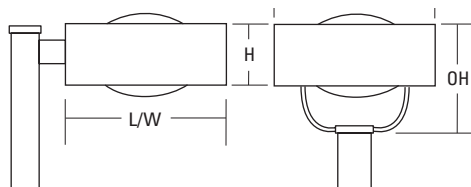
Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹²	DMB Medium bronze	
QRS Quartz restrike system ¹²	DNA Natural aluminum	
PER NEMA twist-lock receptacle only	DWH White	
KW1 Kilowatch 120V control ¹³	CR Enhanced corrosion resistance	
KW4 Kilowatch 277V control ¹³	CRT Non-stick protective coating (black)	
GFL Glass flat lens ¹⁴		
LS Lamp support (size 3 horizontal optics only)		
HS House-side shield		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
Ships separately ¹⁵		
PE1 NEMA twist-lock PE (120V-240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap for PER option		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KVE2	175M, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SYM, SYMC, ASY, ASYC, R2, R3, R4SC, R5S
KVE3	400S, 400M, 750S, 1000S	SYM, ASY, ASYC, R5S
KVE3	750M, 1000M	SYM, SYMC, ASY, ASYC, R2, R3, R4SC, R5S, R4W

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KVE2 (arm)	KVE3 (arm)	KVE2 (post)	KVE3 (post)
EPA:	3.3 ft ² (0.31 m ²)	4.2 ft ² (0.39 m ²)	3.4 ft ² (0.32 m ²)	4.5 ft ² (0.42 m ²)
Length/width:	25 (63.5)	29 (73.7)	25 (63.5)	29 (73.7)
Overall Height:	N/A	N/A	23-7/8 (60.6)	29-1/4 (74.3)
Height:	16-3/4 (42.5)	18-1/2 (47.0)	16-3/4 (42.5)	18-1/2 (47.0)
Max. weight:	77 lbs (34.9 kg)	87 lbs (39.5 kg)	87 lbs (39.5 kg)	97 lbs (44.0 kg)

Notes

- Specify lamp type and distribution. See configurations table.
- Not available with SCWA.
- Universal, mogul base lamp allows KVE to be available with SCWA.
- Must be ordered with SCWA.
- KVE2 320W, 350W, 400W MH requires ED28 lamp; KVE3 1000W MH requires BT37 lamp. Not available with KVE3 1000S.
- Not available KVE3 high pressure sodium.
- Only available KVE3 metal halide; 1000M requires BT37 lamp.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- KVE2 must use 12" arm, KVE3 must use 14" arm when mounting two luminaires at 90°.
- Maximum allowable wattage lamp included.
- Available only with 200M, 400M SCWA: ASY or SYM; 250S or 400S: all distributions.
- 400W maximum.
- May be ordered as accessory.

KVF



Intended Use
For car lots, street lighting or parking areas.

Construction
Heavy-gauge, die-formed aluminum housing, fabricated using robotic continuous seam-weld process for weathertight integrity. Integral structural support plate for mounting arm and electrical components. Hinged aluminium door-frame with stainless steel hardware. Thermal, shock-resistant, tempered flat or drop glass lens. Continuous silicone gasketing surrounds lens for weather tight seal. Finish: Dark bronze polyester powder finish standard.

Optional linear embossed accent reveals are available. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Vertical-lamp reflectors are one-piece spun and formed anodized aluminum. Horizontal-lamp reflectors also available. Horizontal position-oriented for types R2, R3 and R4. Reflectors are rotatable and interchangeable.

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts

are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer for 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-450W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Mogul-base porcelain socket for KVF2 (1000S is 5K pulse rated), medium base

for KVF1 with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated. LPI is standard 35K for CFL.

Installation
Extruded aluminum arm with integral splice compartment. Standard arm is 9" in length. (12" arm is required for fixtures mounted at 90°.)

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations. Optical chamber is IP65 rated for ingress protection per IEC529 international standards.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: KVF2 1000M SYMDL 480 SP09 LPI

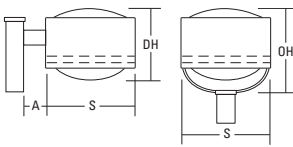
Series	Lamp type ¹	Distribution ^{1,9}			Voltage	Ballast	Mounting ¹⁵
KVF1	High pressure sodium ²	250M	Metal halide ceramic ⁸	2/32TRT	Horizontal lamp	SR4W Type IV segmented, FT, wide	Arm mounting
KVF2	50M ^{2,3}	320M ⁶	50MHC ^{2,3}	42 TRT	R2 Type II roadway	Type IV segmented, FT, wide	SP09 9" arm for square pole
	70S	350M ⁶	70MHC ^{2,3}	57TRT	R3 Type III asymmetric	SR5S Type V segmented, square	RP09 9" arm for round pole
	100S	400M	100MHC ²	70TRT	SR2 Type II segmented	Vertical lamp	SP12 12" arm for square pole
	150S	100M ²	150MHC ²	Induction⁷	SR3 Type III segmented	SYM Symmetric	RP12 12" arm for round pole
	250S	150M	150MHC	55IL	SR4SC Type IV segmented, FT, sharp cutoff	ASY Asymmetric	WB12 12" arm for wall
	400S	175M ⁵	1000M⁷	85IL		VFA Vertical FT, automotive	Post-top mounting
	400S ⁴	200M ^{5,6}	Compact fluorescent ²				PT4 Post top, 4" OD open-top pole
			2/26DTT				
			2/26TRT				

Options			Finish	Lamped
Ships installed	2DC12	Emergency circuit 12V; two 35W lamps included	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DC2012	Emergency circuit 12V; 20W lamp included	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	2DC2012	Emergency circuit 12V; two 20W lamps included	DGC Charcoal gray	
EC Emergency circuit ¹⁶	PE	Photoelectric cell - button type ¹⁷	DMB Medium bronze	
QRS Quartz restrrike system ¹⁶	PER	NEMA twist-lock receptacle only ¹⁸	DNA Natural aluminum	
QRSTD QRS time delay ¹⁶	EA	Embossed accents	DWH White	
DC12 Emergency circuit 12V; 35W lamp included	KW1	KiloWatch 120V control ¹⁹	CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	
			VG Vandal guard ²¹	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KVF1	55IL, 85IL	Not Required
KVF1	2/26DTT, 2/26TRT, 2/32TRT	SYMDL, SYMFL, ASYDL, ASYFL, SR3DL, SR3FL
KVF1	57TRT, 70TRT	SR2DL, SR3DL, SR4SCDL, SR5SDL
KVF1	42TRT, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SYMDL, SYMFL, ASYDL, ASYFL, SR2DL, SR2FL, SR3DL, SR3FL, SR4SCDL, SR4SCFL, SR5SDL, SR5SFL
KVF1	175M SCWA, 200M	SYMDL, SYMFL, ASYDL, ASYFL
KVF2	250S, 250M, 320M, 350M, 400S, 400M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFADL, R2DL, R2FL, R3FL, R3DL, SR2FL, SR3FL, SR4SCFL, SR4WFL
KVF2	450M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFADL
KVF2	1000M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFADL, R2DL, R2FL, R3FL, R3DL
KVF2	1000S	ASYDL, SYMDL, VFADL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KVF1	KVF2
EPA ARM:	1.2 ft ² (0.11m ²)	2.8 ft ² (0.25 m ²)
EPA PT:	1.3 ft ² (0.12m ²)	2.8 ft ² (0.25 m ²)
Square:	16-1/8 (40.9)	21-1/2 (54.6)
Flat lens height:	9-3/8 (23.8)	14 (35.6)
Drop lens height:	11-3/8 (29.0)	17 (43.2)
PT overall height:	18 (45.7)	22-3/4 (57.8)
Weight:	29 lbs (13.2 kg)	55 lbs (24.9 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available 480V.
- Available with SYMDL, ASYDL and VFADL standard E-25 lamp.
- Not available KVF1 SCWA with horizontal distributions.
- Must be ordered with SCWA. 450M only available in vertical distribution.
- Must use reduced jacket lamp.
- Not applicable with L/LP.
- Designate DL (drop lens) or FL (flat lens) after distribution (ie SR2FL). SR4W only available with FL.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V,

- In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Tri-volt electronic ballast capable of operating any line voltage between 200V and 277V.
- Use 12" arm when mounting two luminaires at 90°.
- Maximum allowable wattage lamp included.
- Not available 347, 480, or TB. Not available KVF2.
- Not available KVF1. Photocell not included.
- Available with 200M-400M SCWA: ASY, SYM or VFA; 250S or 400S: all distributions.
- May be ordered as an accessory.
- Prefix with fixture name and size (e.g., KVF1VG).

PRODUCT INFORMATION

KVF POLE COMBO



Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Heavy-gauge, die-formed aluminum housing is fabricated using robotic continuous seam-weld process for weather-tight integrity. Integral structural support plate for mounting arm and electrical components ensures rigidity and strength. Hinged aluminum doorframe incorporates stainless steel hardware. Continuous silicone gasketing surrounds lens for weather-tight seal.

Finish: Standard finish is dark bronze (DDB).

Optics

Flat lens configurations meet full-cutoff criteria. Vertical-lamp reflectors are one-piece spun and formed anodized aluminum. Reflectors are independently designed to optimize light output for the lens type.

Electrical

Ballast: All ballasts are 100% factory tested. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required; must order SCWA option.

Socket: Porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. Lamp included.

Installation

Extruded aluminum arm for square pole mounting.

Listings

UL Listed (standard). UL Listed for 25°C ambient and wet locations. IP65 Rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KV2400M25C ASYFL 5C 09 SCWA

Series/Lamp type/Pole height			Distribution		Pole diameter	Arm length		Ballast
Series	Lamp type	Pole height	SYMFL	Symmetric	5C	09	9 inches	SCWA Super CWA ballast ¹
KV1	1 fixture	250M	25C	25-foot "C" pole	5G	12	12 inches	
KV2	2 fixtures	320M	30G	30-foot "G" pole				
		400M						

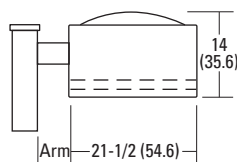
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

KV2400M25C ASYFL 5C 09 SCWA CONSISTS OF:	
QUANTITY	CI CODE DESCRIPTION
1	SSS 25 5C DM28 PL DDB SHAFT
2	KVF2 400M ASYFL TB SCWA SP09 LPI
1	SBC5 DDB U
1	ABSS5-5
1	STC-5 U

MAXIMUM M.P.H. WIND LOAD WITH 1.4 GUSTS		
POLE	KV1 SINGLE	KV2 DOUBLE
25' 5C	100	90
30' 5G	100	90

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

1 Must be specified.

PRODUCT INFORMATION

KVR



Intended Use

For streets, parking lots and surrounding areas.

Construction

Housing: Cylindrically shaped, rugged, heavy-gauge, spun aluminum housing. Fully gasketed for weathertight integrity.

Finish: Dark bronze polyester powder finish standard. Optional linear embossed accent reveals are available. Arm-mounted KVR2 standard doorframe is natural aluminum (DNA). Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

KVR vertical-lamp reflectors are one-piece spun and formed around anodized aluminum. KVR horizontal-lamp hydroformed and segmented reflectors also available. KVR reflectors are rotatable and interchangeable.

Lens: Impact-resistant, clear, 3/16" thick, tempered drop or flat lens.

Electrical

Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested.

High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-450W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

High-frequency generator for induction.

Socket: Mogul-base porcelain socket for KVR2 (1000S is 5K

pulse rated), medium base for KVR1 with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated. LPI is standard 35K for CFL.

Installation

Mounting: Extruded-aluminum contoured arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type ¹	Distribution ^{1,9}			Voltage	Ballast	Mounting				
KVR1	High pressure sodium ²	250M	Metal halide ceramic ⁸	2/26TRT	Horizontal lamp	Vertical lamp	120	480¹¹	(blank)	Magnetic ballast	Arm mounting ¹⁶
KVR2	70S	320M ⁶	50MHC ^{2,4}	2/32TRT	R2 Type II roadway	SYM Symmetric	208 ¹¹	TB¹²	CWI	Constant wattage isolated ¹³	SPD09 9" arm for square pole
	100S	350M ⁶	70MHC ^{2,4}	42 TRT	R3 Type III asymmetric	ASY Asymmetric	240 ¹¹	23050HZ ¹³			RPD09 9" arm for round pole
	150S	400M	100MHC ²	57TRT	SR2 Type II segmented	VFA Vertical FT, automotive ¹⁰	277	MVOLT ¹⁴			WBD09 9" arm for wall
	250S	450M ⁶	150MHC	70TRT	SR3 Type III segmented		347	TVOLT ¹⁵	SCWA	Super CWA ballast	WWD09 9" arm for wood pole or wall
	400S	1000M ⁷	150MHC	Induction ²	SR4SC Type IV segmented, FT, sharp cutoff						SPD12 12" arm for square pole
	1000S ³	200M ^{5,6}	Compact fluorescent ²	55SIL	SR4W Type IV segm, FT, wide ¹⁰						RPD12 12" arm for round pole
			2/26DTT	85SIL							

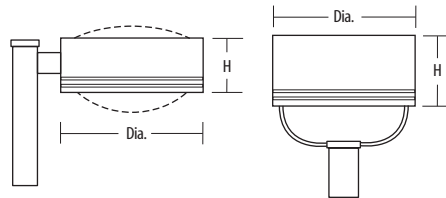
Example: KVR2 250M SYMDL 120 SCWA RPD09 LPI

Mounting (continued)	Options	Finish	Lamped
WBD12 12" arm for wall	<u>Ships installed</u> SF Single fuse, 120V, 277V, 347V	(blank) Dark bronze (std.)	LPI Lamp included
WWD12 12" arm for wood pole or wall	DF Double fuse, 208V, 240V, 480V	DBL Black	L/LP Less lamp
Post-top mounting	EC Emergency circuit ¹⁷	DGC Charcoal gray	
PT4 Post top, 4" OD open-top pole	QRS Quartz restrike system ¹⁷	DMB Medium bronze	
	QRSTD QRS time delay ¹⁷	DNA Natural aluminum	
	PE Photoelectric cell - button type ¹⁸	DWH White	
	PER NEMA twist-lock receptacle only ¹⁹	CR Enhanced corrosion resistance	
	KW1 KiloWatch 120V control relay ²⁰	CRT Non-stick protective coating (black)	
	KW4 KiloWatch 277V control relay ²⁰		
	TLS Tool-less access		
	EHS External house-side shield		
	EHSB External house-side shield black		
	CSA Meets Canadian standards		
	NOM Meets Mexican standards (consult factory)		
	INTL Available for MH probe start shipping outside the U.S.		
	<u>Ships separately²¹</u>		
	PE1 NEMA twist-lock PE (120V-240V)		
	PE3 NEMA twist-lock PE (347V)		
	PE4 NEMA twist-lock PE (480V)		
	PE7 NEMA twist-lock PE (277V)		
	SC Shorting cap for PER option		
	VG Vandal guard ²²		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	LAMP TYPE	DISTRIBUTION
KVR1	55IL, 85IL	Not Required
KVR1	2/26DTT, 2/26TRT, 2/32TRT	SYMDL, SYMFL, ASYDL, ASYFL, SR3DL, SR3FL
KVR1	57TRT, 70TRT	SR2DL, SR3DL, SR4SCDL, SR5SDL
KVR1	42TRT, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SYMDL, SYMFL, ASYDL, ASYFL, SR2DL, SR2FL, SR3DL, SR3FL, SR4SCDL, SR4SCFL, SR5DL, SR5FL
KVR1	175M SCWA, 200M	SYMDL, SYMFL, ASYDL, ASYFL
KVR2	175M, 250S, 250M, 320M, 350M, 400S, 400M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFAPL, R2DL, R2FL, R3DL, R3FL, SR2FL, SR3FL, SR4SCFL, SR4WFL
KVR2	1000M, 1000S	SYMDL, SYMFL, ASYDL, ASYFL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KVR1	KVR2
EPA arm:	1.0 ft ² (0.09 m ²)	2.1 ft ² (0.20 m ²)
EPA PT:	1.2 ft ² (0.11 m ²)	2.5 ft ² (0.23 m ²)
Diameter:	17 (43.1)	26 (66.0)
Flat lens height:	9-1/4 (23.5)	14 (35.6)
Drop lens height:	10 (25.4)	17 (43.2)
PT overall height:	18- 3/4 (47.6)	23-1/2 (59.7)
Weight:	35 lbs (15.9 kg)	56 lbs (25 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Drop lens uses standard E25 lamp. Flat lens uses reduced jacket lamp.
- Not available in 480V.
- KVR1 175M SCWA and 200M SCWA are only available with ASY or SYM.
- Must be ordered with SCWA.
- Must use reduced jacket lamp.
- Not applicable with L/LP.
- Designate DL (drop lens) of FL (flat lens) after distribution (e.g., SR2FL). KVR2 with SR2, SR3, SR4SC, SR4W only available with flat lens.
- Not available with KVR1.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Tri-volt electronic ballast (induction only) capable of operating any line voltage between 200V and 277V.
- Use 12" arm when mounting two luminaires at 90°.
- Maximum allowable wattage lamp included.
- Not available 347, 480, or TB. Only available with KVR1.
- Only available KVR2. Photocell not included.
- Available with 200M-400M SCWA: SYM, AS or VFA; 250S or 400S: all distributions.
- May be ordered as an accessory.
- Prefix with fixture name and size (e.g., KVR1VG).

KAR



Intended Use

For parking lots, plazas or entrances.

Construction

Housing: Rugged, heavy-gauge, spun-aluminum housing in centriform shape.

Doorframe: Aluminum door frame standard with 1/8" impact-resistant, tempered-glass lens. Stainless steel external hardware. One-piece EPT closed-cell gasket.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Anodized, hydroformed aluminum reflectors. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5S (symmetric). R4 reflector is field-rotatable. Reflectors hinge out for easy installation and maintenance.

Electrical

All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super

CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented mogul-base porcelain socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. (1000S is 5KV pulse rated.)

Installation

Mounting: Contoured, extruded-aluminum 9" (KAR1/KAR2) and 12" (KAR3) arms with integral splice compartment for pole or wall mounting. Optional mountings available.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KAR3 1000S R4 TB RPD12 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting ^{10,11}	
KAR1	High pressure sodium²	350M⁴	R2 Type II roadway	120	(blank) Magnetic ballast	Ships separately¹²
KAR2	100M²	400M	R3 Type III asymmetric ⁶	208 ⁷	CWI Constant wattage isolated ⁹	SPD09 9" contoured arm for square pole
KAR3	150S	1000M	R4 Type IV, FT ⁶	240 ⁷	SCWA Super CWA ballast	RPD09 9" contoured arm for round pole
	250S	Metal halide ceramic⁵	R5S Type V symmetric square	277		WBD09 9" contoured arm for wall
	400S	100MHC ²		347		SPD12 12" contoured arm for square pole
	1000S	150MHC		480⁷		RPD12 12" contoured arm for round pole
				TB⁸		
				23050HZ ⁹		

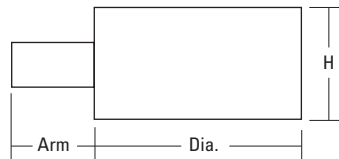
Options				Finish	Lamped
Ships installed		PER	NEMA twist-lock receptacle only ¹⁴	(blank) Dark bronze (std.)	LPI Lamp included
SF	Single fuse, 120V, 277V, 347V	HS	House-side shield	DBL Black	L/LP Less lamp
DF	Double fuse, 208V, 240V, 480V	CSA	Meets Canadian standards	DGC Charcoal gray	
EC	Emergency circuit ¹³	NOM	Meets Mexican standards (consult factory)	DMB Medium bronze	
QRS	Quartz restrrike system ¹³	INTL	Available for MH probe start shipping outside the U.S.	DNA Natural aluminum	
QRSTD	QRS time delay ¹³			DWH White	
				CR Enhanced corrosion resistance	
				CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KAR1	100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3
KAR2	250S, 320M, 350M, 400S, 400M	R2, R3, R4, R5S
KAR3	1000S, 1000M	R3, R4, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KAR1	KAR2	KAR3
EPA ⁶ :	1.2ft ² (.11m ²)	1.5ft ² (.14m ²)	2.2ft ² (.20m ²)
Diameter:	19-1/2 (49.5)	21-1/2 (54.6)	30 (75.6)
Height:	9-1/2 (24.1)	11 (27.9)	12-1/2 (31.8)
Arm length:	9 (22.9)	9 (22.9)	12 (30.5)
Max. weight:	36 lbs (15 kg)	45 lbs (20 kg)	53 lbs (24 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Universal, mogul base lamp allows KAR1 and KAR2 to be available with SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- HS option available.
- Must specify CWI for us in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as accessory.
- Must specify finish.
- KAR1, KAR2 uses 9" arm, KAR3 uses 12" arm when mounting two luminaries at 90°.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Prefix with fixture name and size (e.g., KAR1VG). Not available with KAR3.

KVS



Intended Use

For lighting shopping center or stadium parking lots.

Construction

Housing: Rugged, heavy-gauge aluminum housing. Square shape, continuously welded seams for weather-tight integrity. EPDM closed-cell housing gasket.

Doorframe: Extruded aluminum hinged door frame. All exposed hardware is stainless steel.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

One-piece, anodized, hydro-formed aluminum reflector. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). Reflectors hinge out for easy removal during installation/maintenance. Reflectors not rotatable. R5 is vertically lamped; R2, R3, and R4 are horizontally lamped.

Lens: Impact-resistant flat glass is standard for KVS1, R2, R3 and R4. Convex glass lens is standard with all KVS3 and KVS1 R5.

Electrical

Electrical components

mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Socket: Mogul-base porcelain

socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. (1000S is 5KV pulse rated.)

Installation

Mounting: Extruded 9" (KVS1) and 12" (KVS3) arms with integral splice compartment for wall or pole mounting. Optional mounting available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KVS1 250S R3 TB SP09 LPI

Series	Lamp type ¹		Distribution ¹	Voltage	Ballast	Mounting		
KVS1 KVS3	High pressure sodium ²	Metal halide	R2 Type II roadway	120	(blank) Magnetic ballast	<u>Ships separately</u>	RP12 12" arm for round pole	<u>Optional mounting (ships separately)</u>
	70S	100M ²	R3 Type III asymmetric	208⁷	CWI Constant wattage isolated ⁹	SP09 9" arm for square pole	WB12 12" arm for wall	KMA External mast arm adaptor ^{11,12}
	100S	150M	R4 Type IV, FT	240 ⁷	SCWA Super CWA ballast	RP09 9" arm for round pole	WW12 12" arm for wood pole or wall	DA12P 12" degree arm for pole
	100S	175M ³	R5 Type V symmetric	277		WB09 9" arm for wall	<u>Optional mounting (ships installed)</u>	DA12WB 12" degree arm for wall
	150S	200M ⁴		347		WW09 9" arm for wood pole or wall	MA Internal mast arm adaptor ¹⁰	
	250S	250M		480⁸		SP12 12" arm for square pole		KTMB Twin mounting bar ¹¹
	400S	320M ⁴		23050HZ ⁹				
	1000S	350M ⁴						
		400M						
		1000M⁵						

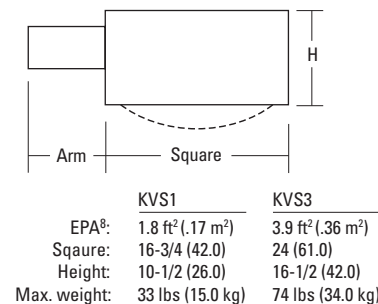
Options			Finish			Lamped	
<u>Ships installed</u>			MED Medium-base socket ¹¹	<u>Ships separately¹⁶</u>		(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V		HS House-side shield ¹⁵	PE1 NEMA twist-lock PE (120V-240V)	DBL Black		L/LP Less lamp	
DF Double fuse, 208V, 240V, 480V		CSA Meets Canadian standards	PE3 NEMA twist-lock PE (347V)	DGC Charcoal gray			
EC Emergency circuit ¹³		NOM Meets Mexican standards (consult factory)	PE4 NEMA twist-lock PE (480V)	DMB Medium bronze			
QRS Quartz restrrike system ¹³		INTL Available for MH probe start shipping outside the U.S.	PE7 NEMA twist-lock PE (277V)	DNA Natural aluminum			
PER NEMA twist-lock receptacle only ¹⁴			SC Shorting cap for PER option	DWH White			
			VG Vandal guard ¹⁷	CR Enhanced corrosion resistance			
				CRT Non-stick protective coating (black)			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KVS1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 250S, 250M	R2, R3, R4, R5
KVS3	320M, 350M, 400S, 400M, 1000M	R2, R3, R5
KVS3	1000S	R5

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Universal mogul base lamp allows KVS to be available with SCWA.
- Must be ordered with SCWA.
- Must use BT37 reduced jacket lamp for 1000M, R2 and R3; R5 uses BT56 standard lamp.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- KVS3 only. Single/twin, 180° configuration.
- KVS1 only.
- For use with 6" minimum 2-3/8" OD pipe.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Not available R2.
- May be ordered as accessory.
- KVS1 only. Not available with R5. (To order as an accessory: KVS1VG)

KT1



Intended Use

For parking lots, walkways, building facades, industrial sites and entrances. Designated for intrinsically dark areas, such as those surrounding observatories and sea turtle habitats.

frame with mitered corners, retained with two hinge pins and secure with one, quarter-turn quick-release fastener. Integrally designed, extruded silicone gasket provides weather-proof seal between housing and frame.

Construction

Housing: Heavy-gauge aluminum housing, rectilinear shape, continuously welded seams for weather-tight integrity. Dark bronze polyester powder finish (DDB) standard; additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Lens: Clear glass lens standard.

Electrical

High-reactance autotransformer, 100% factory tested standard.

Listings

UL Listed (standard). CSA Certified (see Options). Suitable for wet locations.

Doorframe: Natural, anodized, extruded aluminum

Example: KT1 90L 120 SP04 PER LPI

ORDERING INFORMATION

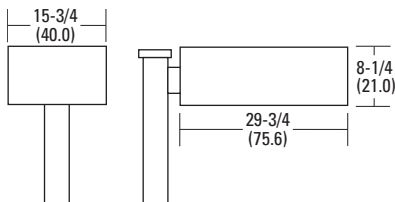
For shortest lead times, configure products using bolded options.

Series	Lamp type	Voltage	Ballast	Mounting	Options	Finish	Lamped
KT1	Low pressure sodium	120	(blank) Magnetic ballast	Ships separately	WB04 4" wall bracket	Ships installed	LPI Lamp included
		208 ¹		SP04 4" square pole arm	WB06 6" wall bracket	PER NEMA twist-lock receptacle only ⁴	LPIC Lamp included (deluxe/coated)
	55L	240 ¹		SP06 6" square pole arm ³	KMA Mast arm adapter	SF Single fuse, 120V, 277V, 347V	L/LP Less lamp
	90L	277		RP04 4" round pole arm	KTMB Twin mounting bar	DF Double fuse, 208V, 240V, 480V	
	2/90L	480 ^{1,2}		RP06 6" round pole arm ³		CSA Meets Canadian standards	
						Ships separately⁵	
					PE1 NEMA twist-lock PE (120V-240V)		
					PE3 NEMA twist-lock PE (347V)	(blank) Dark bronze	
					PE4 NEMA twist-lock PE (480V)	DBL Black	
					PE7 NEMA twist-lock PE (277V)	DGC Charcoal gray	
					SC Shorting cap for PER option	DMB Medium bronze	
						DNA Natural aluminum	
						DWH White	
						CR Corrosion-resistant finish	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.3 ft² (0.21m²) (includes arm)
 Weight: 42 lbs (19 kg)

Notes

- 1 Consult factory for availability in Canada.
- 2 Reactor ballast.
- 3 SP06 or RP06, must be used when two or more luminaires are oriented on a 90° drilling pattern.
- 4 Photocell not included.
- 5 May be ordered as accessory.

KAD KAC KADT

Contour®



Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Housing: Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness.

Doorframe: KAD die-cast doorframe has impact-resistant, tempered glass lens that is fully gasketed with one-piece tubular silicone. KAC die-cast aluminum doorframe has prismatic, impact-resistant, tempered glass, drop dish acrylic lens or drop dish polycarbonate lens. Door frame is fully gasketed with one-piece silicone.

Finish: Dark bronze polyester powder finish. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

KAD: anodized aluminum hydro-formed or segmented reflectors. Four full cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). High-performance, segmented reflectors are rotatable and field-interchangeable. KAC reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical

All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside the US.

Socket: Porcelain, horizontally oriented medium-base socket for 70-150W and mogul-base socket for 175W

and above with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Installation

Extruded aluminum arm for square pole mounting. KADT mounts with SPD04 with an additional backing plate and receiver used to mount suspend tension rod. KADT mounts 11.27" lower than specified pole height.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). KAD UL Listed for 25°C ambient and wet locations. IP65 Rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KAD 400M R3 TB SCWA SPD09 LPI

Series	Lamp type	Distribution		Voltage	Ballast	Mounting ¹¹			
KAC	High pressure sodium ¹	100M ¹	Metal halide ceramic ⁶	KAD/KADT	SR3 Type III segmented ⁷	120	(blank) Magnetic ballast	Ships included	Ships separately^{12,13}
KAD	150M	150M	70MHC ^{1,2}	R2 Type II roadway ⁷	SR4SC Type IV segmented, FT, sharp cutoff	208 ⁸	CWI Constant wattage isolated ¹⁰	SPD04 4" contoured arm for square pole	KMA External mast arm adaptor
KADT	70S	175M³	100MHC ¹	R3 Type III asymmetric ⁷	KAC - Lens	240 ⁸	SCWA Super CWA ballast	RPD04 4" contoured arm for round pole	DAD12P 12" contoured degree arm for pole
	100S	200M ⁴	150MHC	R4 Type IV, FT ⁷	FP Flat C73T	277		WBD04 4" contoured arm for wall	DAD12WB 12" contoured degree arm for wall
	150S	250M		R5S Type V symmetric square	DPA Drop acrylic	347		SPD09 9" contoured arm for square pole	KTMB Twin mounting bar
	250S	320M ⁴		SR2 Type II segmented ⁷	DPP Drop polycarbonate	480⁸		RPD09 9" contoured arm for round pole	KADWBA Decorative wall bracket (up or down)
	400S	350M ⁴				TB⁹		WBD09 9" contoured arm for wall	
	Metal halide	400M⁵				23050HZ ¹⁰			
	70M ^{1,2}								

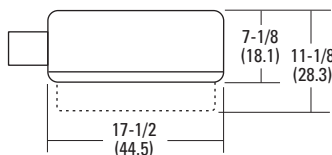
Options

Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹⁴	DMB Medium bronze	
QRS Quartz restrike system ¹⁴	DNA Natural aluminum	
QRSTD QRS time delay ¹⁴	DWH White	
PER NEMA twist-lock receptacle only ¹⁵	CR Enhanced corrosion resistance	
PD Power tray ¹⁶	CRT Non-stick protective coating (black)	
WTB Terminal block ¹⁶		
HS House-side shield		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
Ships separately¹⁷		
PE1 NEMA twist-lock PE (120V-240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap for PER option		
VG Vandal guard ¹⁸		
WG Wire guard ¹⁸		

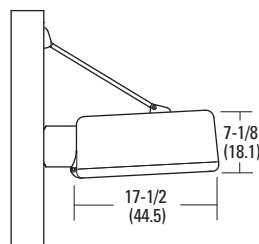
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KAD/KAC (flat)	KAC (drop)
EPA:	1.2 ft ² (0.11 m ²)	1.4 ft ² (0.13 m ²)
Max. weight:	35.9 lbs (16.3 kg)	34 lbs (15.4 kg)



	KADT
EPA:	1.2 ft ² (0.11 m ²)
Max. weight:	35.9 lbs (16.3 kg)

Notes

- Not available with SCWA.
- Not available with 480V.
- Universal mogul base lamp allows KAD, KADT and KAC to be available with SCWA.
- Must be ordered with SCWA.
- Reduced jacket ED28 required for SR2, SR3, & SR4SC optics.
- Not applicable with L/LP.
- HS Option available
- Must specify CWI for us in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V.
- Consult factory for available wattages.
- 9" arm required when two or more luminaires are oriented @90°. KADT only available with SPD04 and only available at 180° orientations.
- May be ordered as accessory. Not available with KADT.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Only available with SR2, SR3, & SR4SC optics.
- May be ordered as accessory.
- Prefix with fixture name and size (e.g., KADWG).

KAD POLE COMBO

Contour®



Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Housing: Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness.

Doorframe: KAD die-cast doorframe has impact-resistant, tempered glass lens that is fully gasketed with one-piece tubular silicone.

Finish: Dark bronze polyester powder finish.

Optics

Anodized aluminum hydroformed reflectors. IES cutoff distributions: R3 (asymmetric) or R4 (forward throw). Optional houseside shield (HS) available.

Electrical

Ballast: All ballasts are 100% factory tested. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required; must order SCWA option.

Socket: Porcelain, horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. Lamp included.

Installation

Extruded aluminum contoured arm for square pole mounting.

Listings

UL Listed (standard). UL Listed for 25°C ambient and wet locations. IP65 Rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: **KC2400M25C R3 4C SCWA**

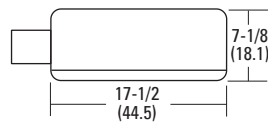
Series/Lamp type/Pole height			Distribution	Pole diameter	Arm length	Ballast	Options
Series	Lamp type	Pole height	R3 Type III asymmetric	4C	(blank) 4 inches	SCWA Super CWA ballast	HS House-side shield ²
KC1 1 fixture	250M	16C 16-foot "C" pole	R4 Type IV, FT		09 9 inches ¹		
KC2 2 fixtures	400M	20C 20-foot "C" pole					
		25C 25-foot "C" pole					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

KC2400M25C R3 4C SCWA CONSISTS OF:	
QUANTITY	CI CODE DESCRIPTION
1	SSS 25 4C DM28 PL DDB SHAFT
2	KAD 400M R3 TB SCWA SPD04 LPI
1	SBC4 DDB U
1	ABSS5-4C
1	STC-4 U

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



MAXIMUM M.P.H. WIND LOAD WITH 1.4 GUSTS		
POLE	KC1 SINGLE	KC2 DOUBLE
16' 4C 4" or 9" arm	100	100
20' 4C 4" or 9" arm	100	100
25' 4C 4" arm	90	90
25' 4C 9" arm	90	80

KAD
EPA: 1.2 ft² (0.11 m²)
Max. weight: 35.9 lbs (16.3 kg)

Notes

- 9" arm available only with 400M.
- Ships separately.

PRODUCT INFORMATION

SECURITY LIGHTING



Intended Use

Arm-mounted security light for yards and lots, service roads and building perimeters.

Construction

Housing: Rugged, die-cast aluminum head with photocell.

Optics

Formed aluminum reflectors and open bottom refractor for ease of maintenance and lamp replacement. Prismatic refractor provides uniform symmetrical Type V distribution.

Installation

Mounting arm (24" or 18" with TDD65) and all mounting hardware is included in carton. Photocell and lamp are included in carton. 120V.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.



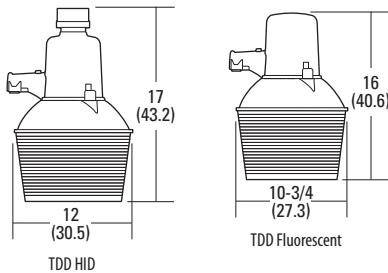
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP	VOLTAGE	MOUNTING ARM LENGTH	LAMP INCLUDED	APPROXIMATE WEIGHT (LBS)	STANDARD CARTON QUANTITY
TDD 100ML 120 M2	12" security light	100	MH	120	24"	Y	12	2
TDD 100SL 120 M2	12" security light	100	HPS	120	24"	Y	12	2
TDD 150SL 120 M2	12" security light	150	HPS	120	24"	Y	12	2
TDD 65L 120 M2	10" security light	65	Fluorescent	120	18"	Y	4	2

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



TDD HID

TDD Fluorescent

ASB

Aeris™



Intended Use

For walkways, plazas or pedestrian areas.

Construction

Housing: Bottom housing is 0.188" extruded aluminum. Decorative Aeris™ top cover is sand-cast with 0.188" minimum wall thickness. 42" overall height standard. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. Exposed hardware is tamper-resistant stainless steel.

Four 1/4" x 11" anchor bolts with double nuts/washers and 4-1/2" diameter bolt circle template provided for mounting (shipped separately). Dark bronze textured (DBBT) corrosion-resistant polyester powder finish standard. Additional architectural colors available, see www.lithonia.com/archcolors.

Optics

Reflector system incorporates an anodized, spun aluminum

flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribution. Optional cylindrical lower reflector available.

Electrical

Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Ballast: All ballasts

are 100% factory tested. High reactance, high power factor.

Socket: Porcelain, medium-base socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Example: ASBX 70M R5 TB LPI

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

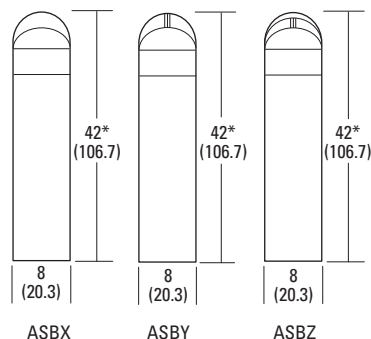
Series	Lamp type	Distribution	Voltage	Ballast
ASBX	High pressure sodium	Standard flared cone	120	(blank) Magnetic ballast
ASBY	50S	R5 Type V distribution	208 ³	
ASBZ	70S	Optional cylindrical reflector	240 ³	
	100S	CYA Specular alzak	277	
	150S	CYB Black alzak	347	
		CYG Gold alzak	TB⁴	
		CYF Flat black		

Options	Finish	Lamped
Ships installed	(blank) Textured dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V	DNA Natural aluminum	
H24 24" overall height	CR Enhanced corrosion resistance	
H30 30" overall height	DSST Textured sandstone	
H36 36" overall height	DNAT Textured natural aluminum	
FD Festoon outlet	DWHG Textured white	
FG Festoon outlet with duplex ground fault receptacle ⁵	DBLB Textured black	
CSA Meets Canadian standards		
Ships separately ⁶		
SBS Half-shield (8" square)		
KBAB Anchor bolts		

ADDITIONAL INFORMATION

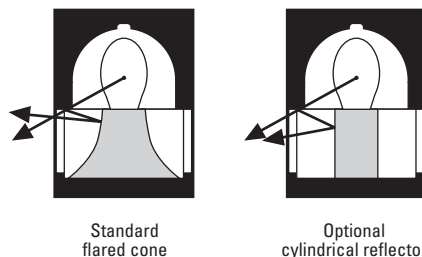
For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 43.2 lbs (19.6 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).



Notes

- Requires coated lamp.
- 120V only. 150W max.; lamp not provided.
- Consult factory for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Cover ships separately.
- May be ordered as accessory.

PRODUCT INFORMATION

MRBX

Omero™



Intended Use

For walkways, plazas or pedestrian areas.

Construction

Extruded one-piece aluminum, 0.156" wall thickness. Molded top cover, 0.156" wall thickness. 42" overall height standard. 8" nominal diameter tube standard. Three 1/2" x 11" anchor bolts with double nuts and washers (shipped separately). 3-3/4" bolt circle template included.

Standard finish is textured dark bronze (DDBT) polyester powder, electrostatically applied and oven-cured. Additional architectural

colors available; see www.lithonia.com/archcolors.

Optics

Two reflector options are available: Type V symmetric and asymmetric distribution. Asymmetric reflector is adjustable independent of bollard orientation and can be adjusted without removing top cover. Lens is clear, seamless 100% virgin acrylic, 1/4" wall, flush fitting. Coated lamp is standard.

Electrical

Electrical components are unitized on removable power module and accessible through top of bollard. Positive-locking, quick-

disconnect on secondary circuit. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 100W and below. MH: 100W and below are standard with pulse-start ignitor technology. Compact fluorescent electronic high-frequency multi-volt ballast, starting temperature 0° F (-18° C), <10% THD.

Socket: Vertically oriented, medium-base, pulse-rated porcelain socket with copper alloy, nickel-plated shell and center contact. Compact fluorescent has four-pin, white thermoplastic body with quick-connect push-in

wiring terminals. LPI is standard 35K for CFL.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards for wet locations (see Options.) NOM Certified (see Options).

U.S. Patent No. D550,881.

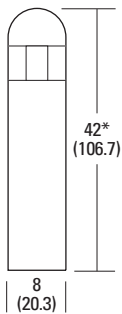
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: MRBX 70M ASY 120 LPI

Series	Lamp type	Distribution		Voltage	Ballast
MRBX	<u>High pressure sodium</u>	<u>Metal halide²</u>	<u>Incandescent³</u>	SYM Type V symmetric distribution	(blank) Magnetic ballast
	35S ¹	50M	I	ASY Asymmetric distribution	
	50S	70M	<u>Compact fluorescent</u>		
	70S	100M	13DTT		
	100S		26TRT		
			32TRT		
				120	
				208 ⁴	
				240 ⁴	
				277	
				347⁵	
				TB⁶	
				MVOLT⁷	
Options			Finish	Lamped	
<u>Ships installed</u>			(blank) Textured dark bronze (std.)	LPI Lamp included	
SF	Single fuse, 120V, 277V, 347V	ELDWC Cold weather emergency battery pack (-20° C start temp) ⁸	DDBT Textured dark bronze	L/LP Less lamp	
DF	Double fuse, 208V, 240V	CSA Meets Canadian standards	DSST Textured sandstone		
GLR	Internal fast-blow fusing	NOM Meets Mexican standards (consult factory)	DNAT Textured natural aluminum		
GMF	Internal slow-blow fusing	<u>Ships separately⁹</u>	DWHG Textured white		
H24	24" overall height	HS Internal half shield ¹⁰	DBLB Textured black		
H30	30" overall height	MRAB Anchor bolts			
H36	36" overall height				

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 45 lbs (20.4 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36)

Notes

- 1 120V only.
- 2 Requires coated lamp.
- 3 120V only. 100W max. A19 lamps only.
- 4 Consult factory for use in Canada.
- 5 347V not available in 50S.
- 6 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 7 Optional multi-volt electronic ballast (compact fluorescent only) capable of operating any line voltage from 120-277V.
- 8 Must specify voltage. 120V or 277V only.
- 9 May be ordered as an accessory.
- 10 Ships as: MRBX HS U

PRODUCT INFORMATION

KBC KBR



KBC



KBR

Intended Use

For walkways, plazas or pedestrian areas.

Construction

Housing: KB_6: Bottom housing is 0.125" extruded aluminum. Top cover is 0.156" cast aluminum. KB_8: Bottom housing is 0.156" extruded aluminum. 42" overall height standard. Flush-fitting lens is 1/2", clear, 100% virgin acrylic. All exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double

nuts/washers and 4-1/2" diameter bolt circle template provided for mounting (shipped separately).

Finish: Standard finish is dark bronze polyester powder finish. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Reflector system incorporates an anodized, spun aluminum, flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribu-

tion. Optional cylindrical lower reflector or cast-aluminum louvers are available.

Electrical

All ballasts are 100% factory tested. Electrical components unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Compact fluorescent uses an electronic high-frequency multi-volt ballast.

Socket: Medium-base porcelain socket, 4KV pulse rated.

Compact fluorescent has four-pin, white thermoplastic body with quick-connect push-in wiring terminals. LPI is standard 35K for CFL.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KBR8 100M R5 120 CR LPI

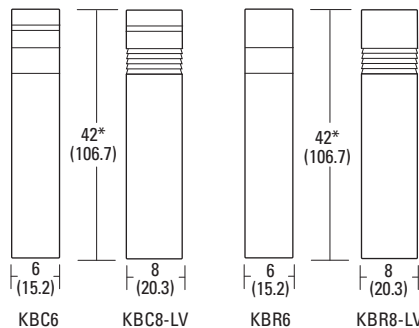
Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Options
KBC6	High pressure sodium	150S Incandescent ^{2,4,5}	120	(blank) Magnetic ballast	Installed
KBC8	35S ²	50M Metal halide ³	208 ⁷		DF Double fuse, 208V, 240V
KBR6	50S	70M Compact fluorescent ⁶	240 ⁷		H24 24" overall height
KBR8	70S	26TRT	277		H30 30" overall height
	100S	32TRT	347		H36 36" overall height
			TB ⁸		FD Festoon outlet ⁹
			MVOLT ⁶		FG Festoon outlet with duplex ground fault receptacle ⁹
					CSA Meets Canadian Standards
Options (continued)		Finish¹⁰			Lamped
Shipped separately		(blank) Dark bronze (std.)	DTG Tennis green	SDNA Natural aluminum stripe	LPI Lamp included
R6S Half-shield (6" round)	DWH White	DBR Bright red	DBR Bright red	SDTG Tennis green stripe	L/LP Less lamp
R8S Half-shield (8" round)	DBL Black	DSB Steel blue	DSB Steel blue	SDBR Bright red stripe	
	DMB Medium bronze	CR Enhanced corrosion resistance	CR Enhanced corrosion resistance	SDBUA Dark blue stripe	
	DNA Natural aluminum	SDDB Dark bronze stripe	SDDB Dark bronze stripe	SDYLB Yellow stripe	
	DSS Sandstone	SDWH White stripe	SDWH White stripe		
	DGC Charcoal gray	SDBL Black stripe	SDBL Black stripe		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

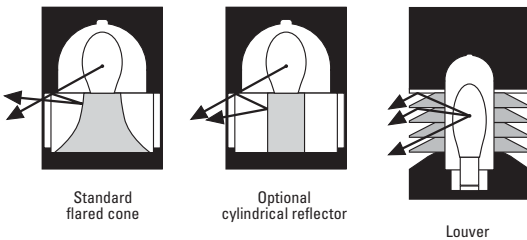
CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KBC6, KBR6	35S, 50S, 50M, 70S, 70M, I	R5, CYA, CYB, CYG, CYF
KBC8, KBR8	50S, 70S, 70M, 100S, 100M, 150S, I	R5, CYA, CYB, CYG, CYF, LV
KBC8, KBR8	26TRT, 32TRT	LV

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 34.9 lbs (15.9 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).



Notes

- Specify lamp type and distribution. See Configurations table.
- 120V only.
- Use coated lamp.
- KB-6: 116W/TS, lamp not included.
- KB-8: 150W max., lamp not included.
- Louver must be used. Multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- Consult factory for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Cover ships separately.
- Choose primary fixture finish and stripe color if desired.

**KBS
KBE**

Intended Use

For walkways, plazas or pedestrian areas.

Construction

Housing: Bottom housing is 0.188" extruded aluminum. Top cover is a weldment of 0.188" aluminum extrusion and 0.250" aluminum plate. 42" overall height standard. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. Exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double nuts/washers and 4-

1/2" diameter bolt circle template provided for mounting (shipped separately).

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Reflector system incorporates an anodized, spun aluminum flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) distribution.

Optional cylindrical lower reflector available.

Electrical

Ballasts are 100% factory tested. Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



KBS

KBE

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KBS6 70M R5 TB LPI

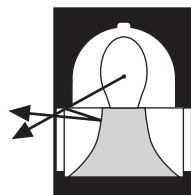
Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Options		
KBS6	High pressure sodium	Metal halide³	120	(blank)	Magnetic ballast	Ships installed	
KBS8	35S²	50M	208⁶			FG	Festoon outlet with duplex ground fault receptacle ⁸
KBE6	50S	70M	240⁶			CSA	Meets Canadian standards
KBE8	70S	100M	277			Ships separately	
	100S	Incandescent	347			S6S	Half-shield (6" square)
	150S	^{2, 4, 5}	TB⁷			S8S	Half-shield (8" square)
						KBAB	Anchor bolts
Finish⁹						Lamped	
(blank)	Dark bronze (std.)	DTG	Tennis green	SDNA	Natural aluminum stripe	LPI	Lamp included
DWH	White	DBR	Bright red	SDTG	Tennis green stripe	L/LP	Less lamp
DBL	Black	DSB	Steel blue	SDBR	Bright red stripe		
DMB	Medium bronze	CR	Enhanced corrosion resistance	SDBUA	Dark blue stripe		
DNA	Natural aluminum	SDDB	Dark bronze stripe	SDYLB	Yellow stripe		
DSS	Sandstone	SDWH	White stripe				
DGC	Charcoal gray	SDBL	Black stripe				

ADDITIONAL INFORMATION

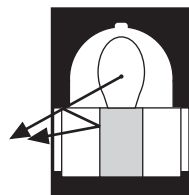
For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KBE6, KBS6	35S, 50S, 50M, 70S, 70M, I	R5, CYA, CYB, CYG, CYF
KBE8, KBS8	50S, 70S, 70M, 100S, 100M, 150S, I	R5, CYA, CYB, CYG, CYF

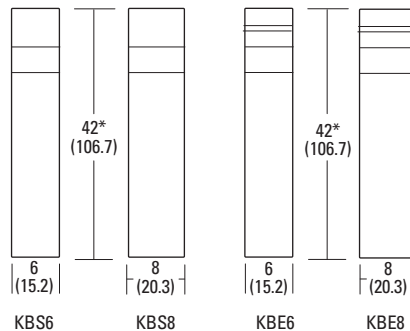
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Standard flared cone



Optional cylindrical reflector



Max. weight: 43.2 lbs (19.6 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).

Notes

- Specify lamp type and distribution. See Configurations table.
- 120V only.
- Requires coated lamp.
- KB-6: 116W/TS, lamp not included.
- KB-8: 150W max., lamp not included.
- Consult factory for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Cover ships separately.
- Choose primary fixture finish and stripe color if desired.

ASW

Aeris™



Intended Use

For building- and wall-mounted applications.

Construction

Housing: Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has impact-resistant, tempered glass lens. Door frame is fully sealed with a closed cell silicone gasket. Standard finish is textured dark bronze (DBBT) polyester powder. Additional architectural colors are available; see www.lithonia.com/archcolors.

Optics

High-performance, segmented reflectors provide superior uniformity and

control. Specialty anodized aluminum spot and grazer optics also are available. Reflectors are interchangeable and have field degree aiming capability up to 10° without tools. Reflectors allow for tool-less access to electrical components. All optics meet IES full cutoff criteria in lens-down orientation.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super

CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

High-frequency generator for induction.

Socket: Porcelain, medium-base socket for ASW1, mogul-base socket for ASW2, with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching

thermoplastic. UL Listed. Compact fluorescent uses an electronic high-frequency ballast. LPI is standard 35K for CFL.

Installation

Universal mounting plate with integral mounting bolts supports the fixture for easy one-person installation. Can mount facing up.

Listings

UL Listed to U.S. and Canadian safety standards. CSA Certified or NOM Certified (see Options). UL Listed suitable for wet locations in up or down orientation. IP65 rated. U.S. Patent No. D500,569. Other patents pending.



Example: ASW1 100M SR3 120 LPI

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting	Options
ASW1	High pressure sodium ⁷	Metal halide 400M	120	(blank) Magnetic ballast	Ships installed	Ships installed
ASW2	70M ^{2,3} 100M ² 70S 150M 100S 175M ⁴ 200M ⁵ 250M 320M ⁵ 400S 350M ⁵	Metal halide ceramic ⁶ 2/42TRT ⁷ 70MHC ^{2,3} 100MHC ² 150MHC Compact Fluorescent ² 2/26DTT ⁷ 32TRT	208 ¹³ 240 ¹³ 277 347 480 ¹³ TB ¹⁴ MVOLT ¹⁵ 23050HZ ¹⁶	CWI Constant wattage isolated ¹⁶ SCWA Super CWA ballast	(blank) Mounting plate (std.) Ships separately ^{17,18,19} BBW Surface-mounted back box	SF Single fuse, 120V, 277V, 347V DF Double fuse, 208V, 240V, 480V GMF Internal slow-blow fusing ELDW Bodine emergency battery pack ²⁰ ELDWR Fixture wired ready for Bodine B30 battery pack ²¹ ELDWRPS Fixture wired ready for PS1400 or PSDL battery pack ^{21,22} EC Emergency circuit ^{11,23}

Options (continued)

Options	Finish	Lamped
QRS Quartz restrike system ^{11,23}	(blank) Dark bronze, textured (std.)	LPI Lamp included
QRSTD QRS time delay (ASW2 only) ^{11,23}	DSST Sandstone-textured	L/LP Less lamp
DC12 Emergency circuit 12V; 35W lamp included ^{9,11}	DNAT Natural aluminum-textured	
2DC12 Emergency circuit 12V; two 35W lamps included ^{9,11}	DWHG White-textured	
DC2012 Emergency circuit 12V; 20W lamp included ^{9,11}	DBLB Black-textured	
2DC2012 Emergency circuit 12V; two 20W lamps included ^{9,11}	DDB Dark bronze	
PE Photoelectric cell - button type ²⁴	DNA Natural aluminum	
HS House-side shield ²⁵	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

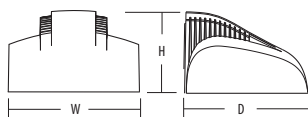
CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
ASW1	70S, 100S, 150S	SR2, SR3, SR4SC, GZ
ASW1	26TRT, 2/32TRT, 2/42TRT	SR3
ASW1	32TRT, 42TRT, 57TRT, 70TRT	SR2, SR3, SR4SC
ASW1	70M, 70MHC, 100M, 100MHC, 150M, 150MHC, 175M	SR2, SR3, SR4SC, GZ, SP
ASW2	175M, 200M, 250M, 320M, 350M, 400M	SR2, SR3, SR4SC, SR4W, SP
ASW2	200S, 250S, 400S	SR2, SR3, SR4SC, SR4W

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT TYPE	LAMP SHAPE	BASE
70S, 100S, 150S	HX-HPF	E17	Medium
250S, 400S	CWA	E17	Mogul
70M, 100M, 150M, 70MHC, 100MHC, 150MHC	HX-HPF	E17	Medium
175M, 175MHC	CWA	E17	Medium
250M, 250MHC	CWA	BT28	Mogul
400M, 400MHC	CWA	ED28	Mogul
26DTT	Electronic, HPF	T4	G24Q-3
32TRT	Electronic, HPF	T4	GX24Q-3
42TRT	Electronic, HPF	T4	GX24Q-4
57TRT	Electronic, HPF	T4	GX24Q-5
70DTT	Electronic, HPF	T4	GX24Q-6

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available ASW1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available with SR3 only.
- HS Option available.
- DC options and GZ cannot be ordered together (ASW1 only).
- Not available with compact fluorescent.
- EC, QRS, QRSTD, DC options or SP cannot be ordered together.
- Not available with HPS.
- Must specify CWI for use in Canada
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ship as 120/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Consult factory for available wattages.
- May be ordered as accessory.
- Must specify finish.
- Prefix with fixture name and size (e.g., ASW2VG) when ordered as accessory.
- Available for compact fluorescent units only; not available with 2/32TRT, 2/42TRT, 57TRT or 70TRT.
- Battery pack (not included) to be mounted external to luminaire. Pilot light/test switch mounting plate included. 32°F min. operating temperature.
- Not available with 2/42TRT.
- Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed. Not available 347V, 480V, or TB.
- Only available with SR2 & SR3; SR4W (size 2 only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	ASW1	ASW2
Width:	15 (38.1)	20-1/4 (51.4)
Depth:	13-3/4 (34.9)	18-3/4 (47.6)
Height:	9-1/4 (25.5)	12-1/2 (31.8)
Weight:	35 lbs (15.9 kg)	49 lbs (22.2 kg)

MRW

Omero™



Intended Use

For building- and wall-mounted applications.

Construction

Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has a 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone.

Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish. Additional architectural colors are available; see www.lithonia.com/archcolors. Striping is also available.

Optics

Segmented reflectors provide superior uniformity and control. Reflectors are interchangeable. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw).

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe

start shipments outside the U.S. for 175M. Not available with 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for MRW with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. UL Listed. Compact fluorescent uses an electronic high-frequency ballast. LPI is standard 35K for CFL.

Installation

Universal mounting mechanism with integral mounting support allows fixture to

hinge down. Bubble level provides correct alignment with every installation.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified (see Options). UL listed suitable for wet locations (damp location listed in lens up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 rated. 25°C ambient. U.S. patent No. D565.232.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

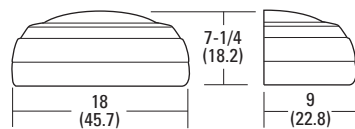
Example: MRW 100M FT TB LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting	Options			
MRW	High pressure sodium ¹	Metal halide	Metal halide ceramic ²	Compact fluorescent ¹	FT Forward Throw	120	(blank) Magnetic ballast	Ships installed	Ships installed
	35S ²	50M ^{1,3}	50MHC ^{1,3}	26DTT	MD Medium throw	208 ⁶	CWI Constant wattage isolated ⁹	(blank) Mounting plate (std.)	SF Single fuse, 120V, 277V, 347V
	50S	70M^{1,3}	70MHC ^{1,3}	2/26DTT	WT Wide throw	240 ⁶	SCWA Super CWA ballast ¹⁰	Ships separately ^{11, 12}	DF Double fuse, 208V, 240V, 480V
	70S	100M¹	100MHC ¹	26TRT		277		BBW Surface-mounted back box ¹³	ELDW Bodine emergency battery pack ^{15, 16, 17}
	100S	150M	150MHC	2/26TRT		347		UTS Uptilt 5 degrees bracket ¹⁴	ELDWR Fixture wired ready for Bodine B30 battery pack ^{15, 16, 18}
	150S	175M⁴		32TRT		480⁶			ELDWRPS Fixture wired ready for PS1400 or PSDL battery pack ^{15, 16, 19}
			2/32TRT		TB⁷			EC Emergency circuit ^{16, 20}	QRS Quartz restrike system ^{16, 20}
			2/42TRT		MVOLT⁸				
						23050HZ⁹			
Options (continued)						Finish		Lamped	
ELED	LED emergency single ^{16, 21, 22}	IBS	Internal backlight shield ²⁵	(blank)	Dark bronze, textured (std.)	LPI	Lamp included ²⁷		
2ELED	LED emergency double ^{16, 21, 22}	WLU	Wet location door for up orientation	DSST	Sandstone-textured	L/LP	Less lamp		
DC12	Emergency circuit 12V; 35W lamp included ^{16, 23}	CSA	Meets Canadian standards	DNAT	Natural aluminum-textured				
2DC12	Emergency circuit 12V; two 35W lamps included ^{16, 23}	NOM	Meets Mexican standards (consult factory)	DWHG	White-textured				
DC2012	Emergency circuit 12V; 20W lamp included ^{16, 23}	INTL	International shipment for 175M.	DBLB	Black-textured				
2DC2012	Emergency circuit 12V; two 20W lamps included ^{16, 23}	Ships separately ^{11, 26}		DDB	Dark bronze				
PE	Photoelectric cell - button type ²⁴	VG	Vandal guard	CR	Enhanced corrosion resistance				
DFL	Diffusing lens	WG	Wire guard	CRT	Non-stick protective coating (black)				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 35 lbs (15.9 kg)

Notes

- 1 Not available with SCWA.
- 2 120V, NPF only.
- 3 Not available with 480V.
- 4 Not available with SCWA. Requires CSA, NOM, or INTL.
- 5 Not applicable with L/LP.
- 6 Must specify CWI for use in Canada.
- 7 Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada; ships as 120V/347V).
- 8 Optional multi-volt electronic ballast (compact fluorescent only) capable of operating any line voltage from 120V-277V.
- 9 Consult factory for available wattages.
- 10 Only available with 150M or 150MHC.
- 11 May be ordered as an accessory.
- 12 Must specify finish.
- 13 Order WSBW when needed as an accessory.
- 14 Order WSUTS when needed as an accessory.

- 15 Available for compact fluorescent units only. Must specify voltage.
- 16 Only one emergency option available per fixture.
- 17 Not available with 2/32TRT or 2/42TRT.
- 18 Battery pack (not included) to be mounted external to luminaire. Pilot light/test switch mounting plate included. 32°F min. operating temperature.
- 19 Not available with 2/42TRT.
- 20 Maximum allowable wattage lamp included.
- 21 Available in 120V or 277V only.
- 22 Maximum wattage 100M or 70S.
- 23 Not available with fusing.
- 24 Must be ordered with fixture; cannot be field installed. Not available 347V, 480V, or TB.
- 25 Not available with medium throw.
- 26 Prefix with fixture name and size (e.g., MRWVG)
- 27 For medium throw distribution, lamp is coated.

WST WSR WSQ



Intended Use

For building- and wall-mounted applications.

Construction

Housing: Rugged, die-cast, single-piece housing. Die-cast doorframe has 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone. Standard finish is textured dark bronze (DBBT) corrosion-resistant polyester powder. Additional architectural colors are available; see www.lithonia.com/archcolors. Striping is also available.

Optics

Interchangeable, segmented reflectors for superior unifor-

mity and control. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw). Four uplight distributions available in WSR only: FTU (forward throw, 10% up), MDU (medium throw, 10% up), WTU (wide throw, 10% up) and MDU5 (up/down, medium throw, 50% up, 50% down). Compact fluorescent MD (medium throw) only.

Electrical

Ballast: All ballasts are 100% factory tested. Reactor high power factor for 35S. High reactance, high power factor for 50-150W. Constant wattage autotransformer for

175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast.

Socket: HID is porcelain, medium-base copper alloy, nickel-plated screw shell and center contact. (UL Listed 660W, 600V 4KV pulse rated). Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

Listings

UL Listed suitable for wet locations (damp location listed in lens-up orientation). CSA Certified (see Options). IP65 rated.



Example: WST 100M FT 120 PE LPI

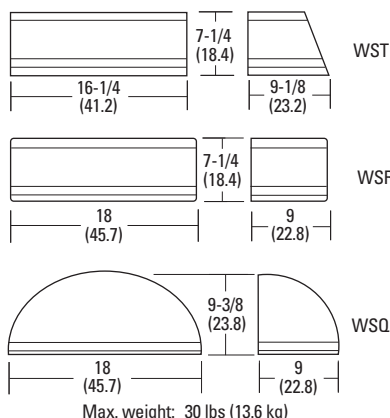
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
WSQ	Quarter sphere	High pressure sodium ¹	70M ^{1,3}	150MHC	Downlight distribution
		35S ²	100M ¹	Compact fluorescent ^{1,6}	FT Forward throw
WSR	Half round	50S	150M	26DTT	MD Medium throw
		70S	175M ⁴	2/26DTT	WT Wide throw
WST	Trapezoid	100S	Metal halide ceramic ⁵	32TRT	Up/Down distribution ^{7,8}
		150S	Metal halide	FTU	Forward throw with 10% uplight
			50MHC ^{1,3}	2/32TRT	MDU Medium throw with 10% uplight
			70MHC ^{1,3}	42TRT	MDUS 50% Up/down medium throw
			100MHC ¹	2/42TRT	WTU Wide throw with 10% uplight ⁹
			23050HZ ¹³		

Options	Finish	Lamped
Ships installed	(blank) Dark bronze, textured (std.)	LPI Lamp included ³¹
SF Single fuse, 120V, 277V, 347V	DNAT Natural aluminum-textured	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DWHG White-textured	
GMF Internal slow-blow fusing ¹⁸	DBLB Black-textured	
ELDW Bodine emergency battery pack ^{18, 19, 20, 21}	CR Enhanced corrosion resistance	
ELDWR Fixture wired ready for Bodine B30 battery pack ^{18, 19, 20, 22}	CRT Non-stick protective coating (black)	
ELDWRPS Fixture wired ready for PS1400 or PSDL battery pack ^{18, 19, 20, 22, 23}		
EC Emergency circuit ^{20, 24}		
QRS Quartz restrrike system ^{20, 24}		
ELED LED emergency single ^{20, 25}		
2ELED LED emergency double ^{20, 25}		
DC12 Emergency circuit 12V; 35W lamp included ^{20, 26}		
2DC12 Emergency circuit 12V; two 35W lamps included ^{20, 26}		
DC2012 Emergency circuit 12V; 20W lamp included ^{20, 26}		
2DC2012 Emergency circuit 12V; two 20W lamps included ^{20, 26}		
PE Photoelectric cell - button type ^{19, 27}		
DFL Diffusing lens		
IBS Internal backlight shield ²⁸		
UCS Uplight component shield ²⁹		
WLU Wet location door for up orientation		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL International shipment for 175M		
Ships separately ^{14, 30}		
VG Vandal guard		
WG Wire guard		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with SCWA.
- 120V only.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not applicable with L/LP.
- Only available with MD, MDU and MDUS distributions.
- Available on WSR fixture only.
- Must be ordered with fixture; no field modifications.
- Colored uplight lens available. See www.lithonia.com. Only available with WTU distribution.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.

- Order as WSBBW for accessory.
- Order as WSUT5 for accessory.
- Available for compact fluorescent units only.
- Must specify voltage.
- Only one emergency option available per fixture.
- Not available with 2/32TRT or 2/42TRT.
- Battery pack (not included) to be mounted external to luminaire. Pilot light/test switch mounting plate included. 32°F min. operating temperature.
- Not available 2/42TRT.
- Maximum allowable wattage lamp included.
- Available 120V or 277V only. Maximum wattage 100M or 70S.
- Not available with fusing.
- Not available 347V, 480V, or TB.
- Not available with medium throw.
- For WSR, inverted orientation, with FTU and WTU distributions only.
- Prefix with fixture name (e.g., WSRVG) for accessory. WSQ ships same as WSR.
- For medium throw distribution, lamp is coated.

WSTM



Intended Use

For building- and wall-mounted applications.

Construction

Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has a 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone.

Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish. Additional architectural colors are

available; see www.lithonia.com/archcolors. Striping is also available.

Optics

Hydroformed reflector for superior uniformity and control. Medium throw (MD) full cut off distribution only.

Electrical

Ballast: All ballasts are 100% factory tested. Reactor high power factor for 35S. High reactance, high power factor for 50-70W. MH: 70W and below are standard with pulse-start ignitor technol-

ogy. Compact fluorescent utilizes an electronic, high-frequency ballast.

Socket: Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL. UL Listed.

Installation

Easily installed using provided mounting strap. Mount to any non-combustible vertical surface or to a 4" round or

square outlet box. Back access through slotted gasket.

Listings

Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 rated. Wet location listed.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

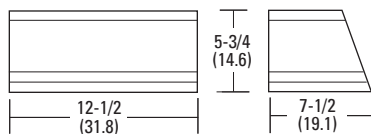
Example: WSTM 70M MD 120 LPI

Series	Lamp type			Distribution	Voltage	Ballast	Mounting	Options		
WSTM	<u>High pressure sodium</u>	<u>Metal halide</u>	<u>Compact fluorescent</u>	MD Medium throw	120	(blank) Magnetic ballast CWI Constant wattage isolated ⁶	<u>Ships installed</u>	<u>Ships installed</u>		
	35S ¹	50M	26DTT		208 ³		(blank) Mounting plate (std.)	SF Single fuse, 120V, 277V, 347V		
	50S	70M	26TRT		240 ³		UT5 Uptilt 5 degrees bracket ⁷	DF Double fuse, 208V, 240V		
	70S	<u>Metal halide ceramic²</u>	32TRT		277			GMF Internal slow-blow fusing ⁸		
		50MHC	42TRT	347			EC Emergency circuit ⁹			
		70MHC		TB⁴			QRS Quartz restrike system ⁹			
				MVOLT⁵			DC12 Emergency circuit 12V; 35W lamp included ^{10, 11}			
				23050HZ ⁶			DC2012 Emergency circuit 12V; 20W lamp included ^{10, 11}			
Options (continued)				Finish			Lamped			
PE	Photoelectric cell - button type ^{12, 13}			<u>Fixture</u>	CR	Enhanced corrosion resistance	SDNA	Natural aluminum stripe	LPI	Lamp included ¹⁴
DFL	Diffusing lens			(blank)	CRT	Non-stick protective coating (black)	SDSS	Sandstone stripe	L/LP	Less lamp
CSA	Meets Canadian standards			DSST	<u>Optional stripe</u>			SDTG	Tennis green stripe	
NOM	Meets Mexican standards (consult factory)			DNAT	SDDB	Dark bronze stripe	SDBR	Bright red stripe		
	<u>Ships separately</u>			DWHG	SDWH	White stripe	SDBUA	Dark blue stripe		
WG	Wire guard ¹²			DBLB	SDBL	Black stripe	SDYLB	Yellow stripe		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 14 lbs. (6.35 kg)

Notes

- 120V only.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Consult factory for available wattages.
- May be ordered as an accessory. Must specify finish. Order as WSUTS.
- CFL only. Must specify voltage. Not available with MVOLT.
- Maximum wattage lamp included.
- Available for HID only.
- Not available with SF or DF.
- Must be ordered with fixture; cannot be field installed.
- Not available in 347V or TB.
- For medium throw distribution, lamp is coated.

WFL



Intended Use

For building- and wall-mounted applications.

Construction

Housing: Extruded aluminum body with cast end caps is mounted with 1/4" bolts, to formed steel wall bracket. Housing body can be rotated and locked in any position along horizontal axis. Cast aluminum lens frame is hinged and secured by stainless steel fasteners. Closed cell silicone gasket prevents the penetration of dust and moisture. Clear, impact-resistant, tempered glass lens with silkscreen.

Finish: Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors are available; see www.lithonia.com/archcolors.

Optics

Anodized aluminum reflectors: Segmented, specular or hammertone finish. Reflectors are field interchangeable.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W

and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontal porcelain socket (WFL2 medium-base, WFL3 mogul-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V 4KV pulse rated.

Installation

Steel mounting plate attaches directly to industry standard junction box. Mounting plate includes provision for attachment independent of junction box (required for WFL3). Optional backbox wall mounting available for surface conduit applications.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: WFL2 100M FT 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting			
WFL2	High pressure sodium ²	100M²	Metal halide ceramic³	GZ Wall grazing	HPN Narrow asymmetric	120	(blank) Magnetic ballast	Ships installed
WFL3	70S	150M	70MHC^{2,3}	SP Spot	HPW Wide asymmetric	208 ⁹	CWI Constant wattage isolated ¹¹	(blank) Mounting plate (std.)
	100S	175M⁴	100MHC²	BP Bi-peak symmetric ⁸	RM Medium symmetric	240 ⁹	SCWA Super CWA ballast	Ships separately ^{12,13,14}
	150S	200M⁵	150MHC	FT Forward throw	RN Narrow symmetric	277		BBW Surface-mounted back box
	250S	250M		HPM Medium asymmetric	RW Wide symmetric	347		
	400S	320M⁵				480⁹		
	<u>Metal halide</u>	350M^{5,6}				TB¹⁰		
	70M^{2,3}	400M⁶				23050HZ¹¹		

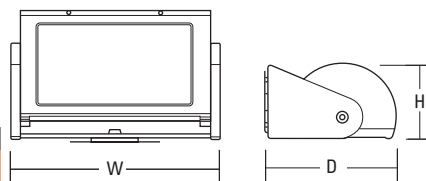
Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DWH White	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DBL Black	
EC Emergency circuit ¹⁵	DMB Medium bronze	
QRS Quartz restrike system ¹⁵	DNA Natural aluminum	
PE Photoelectric cell - button type ¹⁶	DGYL Gray	
LC90 Lock at 90 degrees for full cutoff	CR Enhanced corrosion resistance	
CSA Meets Canadian standards	CRT Non-stick protective coating (black)	
NOM Meets Mexican standards (consult factory)		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
WFL2	70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SP, BP, RN, RM, RW, HPN, HPM, HPW, FT, GZ
WFL3	175M, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SP, RN, RM, RW, HPN, HPM, HPW, FT, GZ

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	WFL2	WFL3
EPA:	1.3 ft ² (0.12 m ²)	2.0 ft ² (0.19 m ²)
Height:	6-3/4 (17.1)	8-3/4 (22.3)
Width:	18-1/2 (47.0)	21-1/2 (54.6)
Depth:	11-3/4 (29.6)	14-3/4 (37.5)
Max weight:	25 lbs (11.3 kg)	39 lbs (17.7 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available with WFL2 SCWA.
- Must be ordered with SCWA.
- Requires ED-28 reduced jacket lamp.
- Not applicable with L/LP.
- WFL2 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V).
- In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Prefix with WFL and size (e.g., WFL2BBW).
- WFL3 only. Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed.
- Not available 347V, 480V, or TB.
- Prefix with KFLWFL and size (e.g., KFLWFL2BVG).

LAMP/FIXTURE DATA						
LAMP TYPE	NEMA DIST.	CIRCUIT	LAMP SHAPE	BASE	BEAM SPREAD	H° x V°
150S	SP	HX-HPF	E17	Medium	142x127	7x6
150S	HPW	HX-HPF	E17	Medium	39x12	3x1
400S	SP	CWA	ET18	Mogul	60x13	4x1
400S	HPW	CWA	ET18	Mogul	144x140	7x7
175M	SP	CWA	ED17	Medium	27x15	2x1
175M	HPW	CWA	ED17	Medium	147x127	7x6
400M	SP	CWA	BT28	Mogul	42x17	3x1
400M	HPW	CWA	BT28	Mogul	146x140	7x7

KL

Intended Use

For use in site walls or as stair lighting.

Construction

Housing: One-piece, cast-aluminum housing (alloy contains less than 0.2% copper) with integral splice compartment (46 cu. in.); four 3/4" NPT conduit entries. Lens is one-piece, injection-molded, UV-stabilized polycarbonate, .125" minimum thickness. Tooled-in, stippled texture on non-optical portions. Die-cut, closed-cell EPDM gasket.

Housing is shipped separately from lens/reflector/power module. Stainless steel, captive, Philips-type fasteners (tamper-resistant fasteners also provided). Standard lens finish is dark bronze enamel (painted on both inside and outside of non-optical portion). Black, white and natural aluminum finishes also available. Housing finish is clear polyester powder for corrosion protection. Recessed concrete cast in place is standard; optional mountings available.

Optics

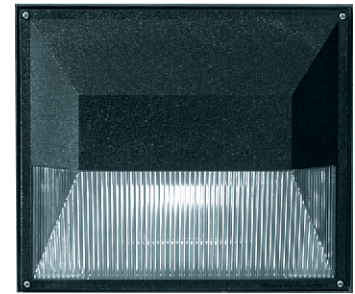
Optics: Reflectors are anodized, hydroformed aluminum. Two distributions available: A (for uniform symmetrical area lighting) and D (for left or right directional-throw area lighting, featuring a unique bi-adjustable socket assembly that can be field-adjusted up or down to provide maximum light distribution on stairway plane).

Electrical

Electrical: All ballasts are 100% factory-tested. Electrical components are unitized on removable power module. Positive-locking disconnect on primary and secondary circuits. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

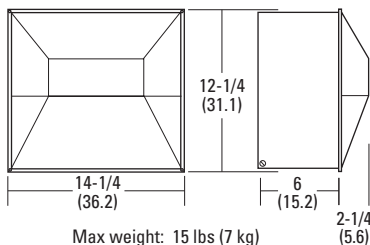
Example: KL 100M A TB LPI

Series	Lamp type ¹	Distribution	Voltage	Ballast	Mounting
KL	High pressure sodium	A Area D Directional	120	(blank) Magnetic ballast	(blank) Stud wall mount BBS (std.) BBW Surface-mounted back box BBF Pendant mount (flat surface) BBR Recessed BBR (ceiling, soffit mount)
	50S		208 ³	CWI Constant wattage isolated ⁵	
	70S		240 ³		
	100S		277		
	Metal halide		347		
70M	TB⁴				
100M		23050HZ ⁵			
Incandescent					
I ²					
Options				Finish	Lamped
Ships installed				(blank) Dark bronze	LPI Lamp included ⁸
SF	Single fuse, 120V, 277V, 347V		DWH White	L/LP Less lamp	
DF	Double fuse, 208V, 240V		DBL Black		
EC	Emergency circuit ⁶		DNA Natural aluminum		
QRS	Quartz restrike system ⁶				
PE	Photoelectric cell - button type ⁷				
CSA	Meets Canadian standards				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For inverted mounting application, 70W max.
- 150W A21 max. in A distribution. 100W A21 max. in D distribution. 120V only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Maximum allowable wattage lamp included.
- Must specify voltage. Only available with BBW, BBF. Not available in 347V or TB.
- Not available with incandescent.

TWH



Intended Use
For outdoor storage areas, warehouse and factory perimeters, and loading docks. **Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.**

Construction
Housing: Rugged, die-cast aluminum housing. Corrosion-resistant captive external hardware includes slotted hex-head fasteners.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Reflector is specular anodized aluminum. Refractor is prismatic borosilicate glass. Lens is sealed and gasketed to inhibit entrance of outside contaminants.

Electrical
Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH:150W and below are standard with pulse-start ignitor technol-

ogy. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

High-frequency generator for induction.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated. Fluor-

rescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Back housing is separated from front housing, eliminating ballast weight and promoting easy handling. Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Mount on any flat, non-combustible vertical surface.

Listings
UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated (250W and below) or IP54 rated (400W).



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

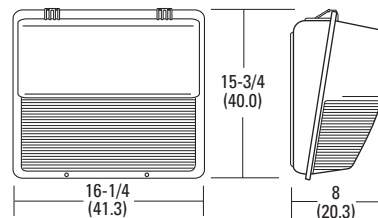
Example: TWH 250S TB LPI

Series	Lamp type				Voltage	Ballast
TWH	<u>High pressure sodium</u>	<u>Metal halide</u>	<u>Metal halide ceramic⁶</u>	<u>Induction¹</u>	120	(blank) Magnetic ballast
	70S	70M ^{1,2}	70MHC ^{1,2}	70IL	208 ⁹	CWI Constant wattage isolated ¹²
	100S	100M ¹	100MHC ¹	100IL	240 ⁹	SCWA Super CWA ballast
	150S	150M	150MHC	<u>Low pressure sodium^{1,7}</u>	277	
	200S	175M³	<u>Compact fluorescent¹</u>	35L	347	
	250S	200M ⁴	2/26DTT	<u>Incandescent^{1,8}</u>	480 ⁹	TB¹⁰
	400S	250M	2/26TRT	300I	MVOLT ¹¹	23050HZ ¹²
		320M ^{4,5}	2/32TRT			
		350M ^{4,5}	2/42TRT			
		400M⁵				
Options					Finish	Lamped
<u>Ships installed</u>					(blank) Dark bronze	LPI Lamp included ¹⁷
SF	Single fuse, 120V, 277V, 347V	PE	Photoelectric cell - button type ¹⁴	<u>Ships separately¹⁶</u>	DWH White	L/LP Less lamp
DF	Double fuse, 208V, 240V, 480V	PER	NEMA twist-lock receptacle only ¹⁵	VG Vandal guard	DBL Black	
GMF	Internal slow-blow fusing	FS	Full shield	WG Wire guard	DMB Medium bronze	
EC	Emergency circuit ¹³	TP	Tamperproof fasteners		DNA Natural aluminum	
QRS	Quartz restrike system ¹³	CSA	Meets Canadian standards		DSS Sandstone	
QRSD	QRS time delay ¹³	NOM	Meets Mexican standards (consult factory)		CR Enhanced corrosion resistance	
		INTL	Available for MH probe start shipping outside the U.S.		CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
70S	HX-HPF	E17	Medium
100S	HX-HPF	E17	Medium
150S	HX-HPF	E17	Medium
250S	CWA	BT28	Mogul
400S	CWA	BT28	Mogul
150M	HX-HPF	E17	Medium
175M	CWA	BT28	Mogul
250M	CWA	BT28	Mogul
400M	CWA	ED or BT28	Mogul

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 26-42 lbs (11.7-19 kg)

Notes

- Not available with SCWA.
- Not available 480V.
- Universal, mogul base lamp allows TWH to be available with SCWA.
- Must be ordered with SCWA.
- Requires ED or BT 28 reduced jacket lamp.
- Not applicable with L/LP.
- Not available TB.
- 120V only, A21 lamp (not included).
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (for compact fluorescent or induction wattages only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed. Not available with 347, 480 or TB.
- Photocell not included.
- May be ordered as accessory. Prefix with fixture name (e.g., TWHWG).
- Not available with incandescent.

TWP



Intended Use
For entrances, loading docks, walkways and vehicle ramps.
Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.

Construction
Housing: Rear housing is rugged, die-cast aluminum. Corrosion-resistant, captive external hardware includes slotted hex-head and tamperproof fasteners. Finish is dark bronze (DDB)

corrosion-resistant polyester powder.
Optics
Reflector is aluminum, finished in white enamel. Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. Standard finish: front cover has an opaque lower portion and dark bronze painted upper portion; back housing is dark bronze polyester. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

Electrical
Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant

wattage autotransformer for 175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available in 175M with SCWA. Compact fluorescent uses an electronic high-frequency ballast.
Socket: Glazed porcelain medium based (mogul based 175W), horizontally oriented with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V for medium base; 1500W, 600V for mogul base. 4KV pulse rated. Fluorescent is four-pin positive latching

thermoplastic. LPI is standard 35K for CFL.
Installation
Top 3/4" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use conduit tee (not included). Mount on any flat, non-combustible vertical surface.
Listings
UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TWP 150M TB LPI

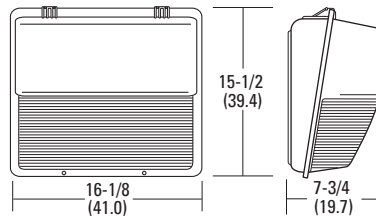
Series	Lamp type ¹	Voltage	Ballast
TWP	<u>High pressure sodium</u>	120	(blank) Magnetic ballast
	35S ²	208 ⁷	CWI Constant wattage isolated ¹⁰
	50S	240 ⁷	SCWA Super CWA ballast ¹¹
	70S	277	
	100S	347	
	150S	480 ⁷	
		TB⁸	
		MVOLT ⁹	
		23050HZ ¹⁰	

Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DWH White	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DBL Black	
GMF Internal slow-blow fusing ¹²	DMB Medium bronze	
ELDWC Cold-weather emergency battery pack ¹³	DNA Natural aluminum	
EC Emergency circuit ¹⁴	DSS Sandstone	
QRS Quartz restrrike system ¹⁴	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
35S	RHP	E17	Medium
50S	RHP	E17	Medium
70S	XHP	E17	Medium
100S	XHP	E17	Medium
150S	XHP	E17	Medium
50M	HX-HPF	E17	Medium
70M	HX-HPF	E17	Medium
100M	HX-HPF	E17	Medium
150M	HX-HPF	E17	Medium
175M	CWA	BT28	Mogul
35L	HPF-LAG	T17	Medium

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 17.9 lbs (8.1 kg)

Notes

- 1 Not available with SCWA.
- 2 120V only.
- 3 Not available with 480V.
- 4 Not available with SCWA. Requires CSA, NOM, or INTL.
- 5 Not applicable with L/LP.
- 6 120V only. A21 lamp (not included).
- 7 Must specify CWI for use in Canada; n/a 35S or 50S.
- 8 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 9 Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- 10 Consult factory for available wattages.
- 11 Only available with 150M or 150MHC.
- 12 CFL only. Must specify voltage. Not available with MVOLT.
- 13 Must specify voltage. -20°C to 55°C operation. Not available with DC or EC.
- 14 Maximum allowable wattage lamp included.
- 15 Not available with 347V, 480V, or TB.
- 16 May be ordered as accessory: TWPWG.

TWA

Contour®



Intended Use

For entrances, stairwells, corridors and other pedestrian areas.

Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g. car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.

Construction

Housing: Rear housing is rugged, die-cast aluminum. Front cover is one-piece, UV-resistant, injection-molded polycarbonate, internally painted. Captive external hardware is treated

for corrosion resistance and includes slotted hex-head and tamper-proof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics

Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. High-performance optical system consists of specular anodized segmented reflector and computer-designed prism pattern. Standard finish is dark bronze polyester enamel. Front cover sealed with one-piece, high-temperature silicone gasket to inhibit entrance of outside contaminants.

Electrical

Components are mounted to the cast-aluminum housing, promoting maximum heat dissipation. Ballast: All ballasts are 100% factory tested. MH: High reactance, high power factor for 150W and below. 150W and below are standard with pulse-start ignitor technology. HPS: Reactor normal power factor standard for 120V, HPF available (XHP option). Other voltages are high power factor standard. Fluorescent ballasts are electronic HPF (26 DTT and TRT).

Socket: HID is porcelain, horizontally oriented, medium-base socket with copper alloy, nickel-plated screw

shell and center contact. (UL Listed 660W, 600V and 4KV pulse rated.) Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Top 1/2" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use conduit tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWA 100M 120 LPI

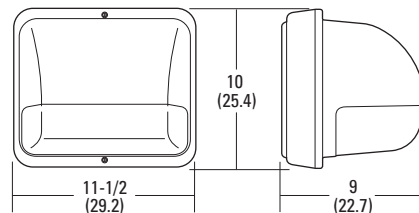
Series	Lamp type		Voltage	Ballast
TWA	<u>High pressure sodium</u>	<u>Metal halide</u>	<u>Compact fluorescent</u>	(blank) Magnetic ballast
	35S ¹	50M	26DTT	CWI Constant wattage isolated ¹
	50S ²	70M	26TRT	XHP High reactance (lag), high power factor
	70S²	100M	32TRT	
	100S²	<u>Metal halide ceramic³</u>	42TRT	
		50MHC		277
		70MHC		347
	100MHC		TB⁵	
			MVOLT⁶	
			23050HZ ⁷	
Options			Finish	Lamped
<u>Ships installed</u>			(blank) Dark bronze	LPI Lamp included
SF	Single fuse, 120V, 277V, 347V	CSA Meets Canadian standards	DWH White	L/LP Less lamp
DF	Double fuse, 208V, 240V	NOM Meets Mexican standards (consult factory)	DBL Black	
GMF	Internal slow-blow fusing ⁸	<u>Ships separately</u>	DMB Medium bronze	
EC	Emergency circuit ⁹	WG Wire guard ¹¹	DNA Natural aluminum	
QRS	Quartz restrike system ⁹		DSS Sandstone	
PE	Photoelectric cell - button type ¹⁰		CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
35S	RNPF	E17	Medium
50S	RNPF	E17	Medium
70S	RNPF	E17	Medium
100S	RNPF	E17	Medium
50M	HX-HPF	E17	Medium
70M	HX-HPF	E17	Medium
100M	HX-HPF	E17	Medium
26DTT	Electronic, HPF	T4	GX32D-3
32TRT	Electronic, HPF	T4	GX24Q-3
42TRT	Electronic, HPF	T4	GX24Q-3

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max weight: 10 lbs (4.5 kg)

Notes

- 120V, NPF only.
- 120V RNPF is standard; 208V, 240V, 277V, 347V, and TB are high-reactance power factor.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- CFL only. Must specify voltage. Not available with MVOLT.
- Maximum wattage lamp included.
- Must specify voltage. Not available in 347V or TB.
- May be ordered as an accessory: TWA WG.

PRODUCT INFORMATION

TWAC

Contour®



Intended Use
For entrances, stairwells, corridors and other pedestrian areas. **Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.**

Construction
Housing: Rear housing is rugged, die-cast aluminum. Front cover is one-piece, UV-resistant, injection-molded polycarbonate, internally painted. Captive external hardware is treated for corrosion resistance and

includes slotted hex-head and tamper-proof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics
Front housing and refractor are one-piece, injection-molded, UV stabilized polycarbonate. One-piece, die-formed reflector is diffused aluminum. Refractor is clear polycarbonate, providing IES cutoff distribution and maximum lateral light output. Standard finish is dark bronze polyester enamel. Front cover sealed with one-piece, high temperature silicone gasket to inhibit entrance of outside contaminants.

Electrical
Components are mounted to the cast-aluminum housing, promoting maximum heat dissipation. Ballast: All ballasts are 100% factory tested. MH: High reactance, high power factor for 150W and below. 150W and below are standard with pulse-start ignitor technology. HPS: Reactor normal power factor standard for 120V, HPF available (XHP option). Other voltage are high power factor standard. Fluorescent ballasts are electronic HPF (26 DTT and TRT).

Socket: HID is porcelain, horizontally oriented, medium-base socket with copper alloy, nickel-plated screw

shell and center contact. (UL Listed 660W, 600V and 4KV pulse rated.) Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Top 1/2" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use conduit tee (not included). Mount on any flat, non-combustible vertical surface.

Listings
UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

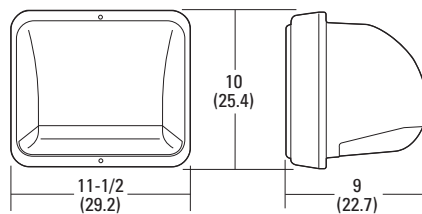
Example: TWAC 100S 120 LPI

Series	Lamp type	Ballast	Voltage	Options	
TWAC	High pressure sodium	(blank) Magnetic ballast CWI Constant wattage isolated ⁶ XHP High reactance (lag), high power factor ⁷	120	Ships installed	
	35S ¹		208 ³	SF Single fuse, 120V, 277V, 347V	
	50S ²		240 ³	DF Double fuse, 208V, 240V	
	70S ²		277	GMF Internal slow-blow fusing ⁸	
	100S²		347	EC Emergency circuit ⁹	
	Metal halide		TB⁴	QRS Quartz restrike system ⁹	
	50M		MVOLT⁵		
	70M		23050HZ ⁶		
	100M				
	Options (continued)				
DC12	Emergency circuit 12V; 35W lamp included ¹⁰	PE Photo electric cell - button type ¹¹	PE Photo electric cell - button type ¹¹	(blank) Dark bronze	LPI Lamp included
2DC12	Emergency circuit 12V; two 35W lamps included ¹⁰	CSA Meets Canadian safety standards	CSA Meets Canadian safety standards	DWH White	
DC2012	Emergency circuit 12V; 20W lamp included ¹⁰	NOM Meets Mexican standards (consult factory)	NOM Meets Mexican standards (consult factory)	DBL Black	L/LP Less lamp
2DC2012	Emergency circuit 12V; two 20W lamps included ¹⁰	Ships separately¹²	Ships separately¹²	DMB Medium bronze	
		WG Wire guard	WG Wire guard	DNA Natural aluminum	
				DSS Sandstone	
				CR Enhanced corrosion resistance	
				CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
35S	RNPF	E17	Medium
50S	RNPF	E17	Medium
70S	RNPF	E17	Medium
100S	RNPF	E17	Medium
50M	HX-HPF	E17	Medium
70M	HX-HPF	E17	Medium
100M	HX-HPF	E17	Medium
26DTT	Electronic, HPF	T4	GX32D-3
32TRT	Electronic, HPF	T4	GX24Q-3
42TRT	Electronic, HPF	T4	GX24Q-3

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 10 lbs (4.5 kg)

Notes

- 120V, NPF only.
- 120V RNPF is standard; 208/240/277/347V and TB are high reactance, high power factor.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating any line voltage from 120V-277V.
- Consult factory for available wattages.
- Only available with 120V.
- CFL only. Must specify voltage. Not available with MVOLT.
- Maximum wattage lamp included.
- HID only, n/a QRS, EC or NOM.
- Must specify voltage. Not available 347 or TB.
- May be ordered as an accessory: TWACWG

TWR



Intended Use

For mounting above entry-ways and loading docks. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Construction

Housing: Rugged, die-cast aluminum back housing and hinged doorframe. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics

(TWR1, TWR2) Refractor is

prismatic borosilicate glass. Reflector is die-formed anodized stippled aluminum. TWR1 medium-base lamp and TWR2 mogul-base lamp included in carton as standard.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: High reactance, high power factor for 150W and below. Constant wattage autotransformer 250W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option). Compact

fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for TWR1, mogul-base socket for TWR2, with copper alloy nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

UL Listed standard to U.S. and Canadian safety standards. CSA Certified (see Options). UL/C-UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWR1 150S TB LPI

Series	Lamp type ¹		Voltage	Ballast	Options	Finish	Lamped
TWR1	High pressure sodium	Metal halide	120	(blank) Magnetic ballast	PE Photoelectric cell - button type ⁸	(blank) Dark bronze	LPI Lamp included
TWR2	70S	70M	TB⁴	SCWA Super CWA ballast ⁷	CSA Meets Canadian standards		
	100S	100M	MVOLT⁵		WG Wire guard ⁹		
	150S	150M	120/347 ⁶				
	250S	250M²					
	400S	400M²					
		Compact fluorescent					
		2/42TRT³					

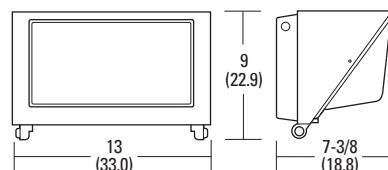
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
SERIES	LAMP TYPE
TWR1	70S, 70M, 100S, 100M, 150S, 150M, 2/42TRT
TWR2	250S, 250M, 400S, 400M

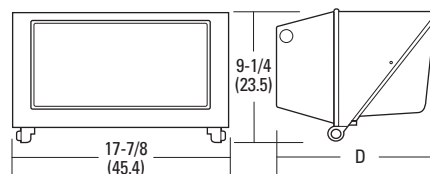
ACCESSORIES	
ORDER SEPARATELY	
TWR1WG	Wireguard
TWR2WG	Wireguard
RK1 TWR1FA	Lens repair kit
RK1 TWR2FA	Lens repair kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 18 lbs (8.1 kg)

TWR1



	250W	400W
Depth:	9-3/8 (23.8)	12-1/2 (31.8)
Weight:	26 lbs (11.8 Kg)	31 lbs (14Kg)

TWR2

Notes

- 1 Specify lamp type. See Configurations table.
- 2 Must be ordered with SCWA option.
- 3 Available with MVOLT or 120V with PE only.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V).
- 5 Only available with 2/42TRT.
- 6 Only available with CSA.
- 7 Only available for 250M and 400M.
- 8 Available with 250M, 400M, 2/42TRT (120V) only. Consult factory for other wattage/voltage availability.
- 9 May be ordered as an accessory. Prefix with fixture name and size (e.g., TWR1WG).

TWRC



Intended Use

For building- and wall- mounted applications. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.** Cannot be inverted.

Construction

Housing: Rugged, die-cast aluminum back housing and hinged doorframe. Castings are sealed with a one-piece gasket to inhibit the entrance of

external contaminants. Finish is bronze polyester powder paint standard.

Optics

Tempered glass lens and one-piece anodized aluminum reflector provide IES cutoff distribution. Optional full cutoff visor available. Lens tilted 30° up horizontal.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: High reactance, high power factor

for 150W and below. Constant wattage autotransformer 250W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option).

Socket: Porcelain, medium-base socket for TWR1C, mogul-base socket for TWR2C, with copper alloy nickel-plated screw shell and center contact.

Installation

Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs (tops and sides).

Listings

UL Listed to U.S. and Canadian safety standards. CSA Certified (see Options). UL/C-UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWR1C 100M TB LPI

Series	Lamp type ¹	Voltage	Ballast	Options	Lamped				
TWR1C	High pressure sodium	250S	100M	120	(blank) Magnetic ballast	Ships installed	Ships separately	LPI	Lamp included
TWR2C	70S	400S	150M	TB ³	SCWA Super CWA ballast ⁵	PE Photoelectric cell - button type ⁶	FCV Full cutoff visor ⁷		
	100S	Metal halide	250M ²	120/347 ⁴		CSA Meets Canadian standards	WG Wire guard ⁷		
	150S	70M	400M ²						

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	LAMP TYPE
TWR1C	70S, 70M, 100S, 100M, 150S, 150M
TWR2C	250S, 250M, 400S, 400M

DIMENSIONS

Dimensions are shown in inches (centimeters) unless otherwise noted.

	TWR1C	TWR2C
Height	10-1/4 (26.0)	14-1/2 (36.8)
Width	13 (33.0)	17-7/8 (45.4)
Depth	8-1/2 (21.6)	10 (25.4)
Max. weight	18 lbs (8.1kg)	25 lbs (11.3kg)

ACCESSORIES

ACCESSORIES	ORDER SEPARATELY
TWR1CWG	Size 1 wireguard
TWR2CWG	Size 2 wireguard
RK1 TWR1CFA	Size 1 lens repair kit
RK1 TWR2CFA	Size 2 lens repair kit
TWR1C FCV	Size 1 full cutoff visor
TWR2C FCV	Size 2 full cutoff visor

Notes

- Specify lamp type. See configurations table.
- Must be ordered with SCWA option.
- Optional multi-tap ballast (120V, 208V, 240V, 277V).
- Only available with CSA.
- Only available for 250M and 400M.
- Available with 250M, 400M, 400S (120V) only. Consult factory for other wattage/voltage availability.
- May be ordered as an accessory. Prefix with fixture name and size (e.g., TWR1CWG or TWR1C FCV).

PRODUCT INFORMATION

TWRS



Intended Use

For building- and wall-mounted applications. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Construction

Housing: Rugged, die-cast

aluminum back housing and hinged door frame. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics

Tempered glass lens and one-piece anodized aluminum reflector provide IES full

cutoff distribution. Medium-base lamp included in carton as standard.

Electrical

Quad-tap, high reactance, high power factor is 100% factory tested.

Installation

Housing configured for mounting directly over a standard 4" outlet box or

for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations. Not available in Canada.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWR1S 100M TB LPI

Series	Lamp type	Voltage	Lamped
TWR1S	High pressure sodium	Metal halide	LPI
	150S	100M	Lamp included

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

DIMENSIONS

Dimensions are shown in inches (centimeters) unless otherwise noted.

Height	16-1/2 (41.9)
Width	12-1/4 (31.2)
Depth	10-3/4 (27.3)
Max. weight	15.5 lbs (7.0kg)

Notes

- Optional multi-tap ballast (120V, 208V, 240V, 277V).

TWS

Intended Use

For entrances, stairwells, corridors and other pedestrian areas.

Construction

Housing: Cast aluminum backplate on which electrical components are mounted for maximum heat dissipation. Gasketing between backplate and front cover prevents entry of water and contaminants. External hardware includes Phillips head and tamperproof hex-head fasteners. Finish is dark bronze.

Optics

Front cover/refractor is injection-molded, one-piece, UV stabilized polycarbonate. The optical system is sealed and gasketed to inhibit the entrance of outside contaminants.

Electrical

35-70W HPS and 50W MH use a 120V normal power factor ballast, and lamp is included as standard. The 13W compact fluorescent uses a 120V electro-magnetic ballast and includes a twin-

tube fluorescent lamp as standard. The 26-42W compact fluorescent uses a multi-volt electronic ballast. Options include 120-277V operation and 26W, 32W or 42W triple-tube fluorescent lamp (not included).

Socket: HID: Medium-base porcelain socket, vertically oriented with copper alloy nickel-plated screw shell and center contact. (UL Listed 660W, 600V). CFL: The 26-42W fluorescent uses a universal 4-pin socket for 26W, 32W or

42W operation based on lamp choice. The 13W fluorescent uses a 2-pin socket.

Installation

Units for wall mounting include two 3/4" knockouts for routing electrical conduit back and bottom.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWS 50M 120 PE LPI

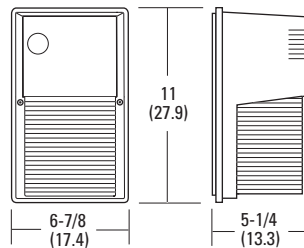
Series	Lamp type	Voltage	Options	Finish	Lamped ⁵	Packaging
TWS	<u>High pressure sodium</u>	120 MVOLT ²	Ships installed PE Photoelectric cell - button type ³ Ships separately WG Wire guard ⁴	(blank) Dark bronze DWH White	LPI Lamp included L/LP Less lamp	M6
	35S					
	50S					
	70S					
	<u>Metal halide</u>					
50M	26TRT¹ 32TRT¹ 42TRT¹					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
RK1 PEB1	Photocell kit, (120V only)
TWSWG	Wireguard

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 4.9 lbs (2.2 kg)

Notes

- 1 Ships as 26/42TRT. Operates 26-42W as standard base on lamp choice. Lamp not included.
- 2 Not available with MH, HPS or 13TT.
- 3 Not available with MVOLT.
- 4 May be ordered as an accessory: TWSWG.
- 5 LPI standard for HID or 13TT; L/LP standard for 26-42TRT.

PRODUCT INFORMATION

BUILDING MOUNTED



Intended Use
Building-mounted light for entrances, stairwells, corridors and other pedestrian areas.

Construction
W: Cast aluminum backplate with polycarbonate cover.
WC: Rugged, corrosion-resistant, die-cast aluminum back housing and hinged door frame. Dark bronze finish.

Optics
Anodized aluminum reflector.

Electrical
Ballast: W: 120V normal power factor. WC: Quad tap, high reactance, high power factor. Medium-base lamp included.

Installation
Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of the convenient conduit entry hubs (W: Two 3/4" unthreaded knockouts, one each on bottom and back. WC: Four threaded 1/2"

plugs, one each side, top, and bottom.)
Listings
Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. 25°C maximum ambient temperature. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.



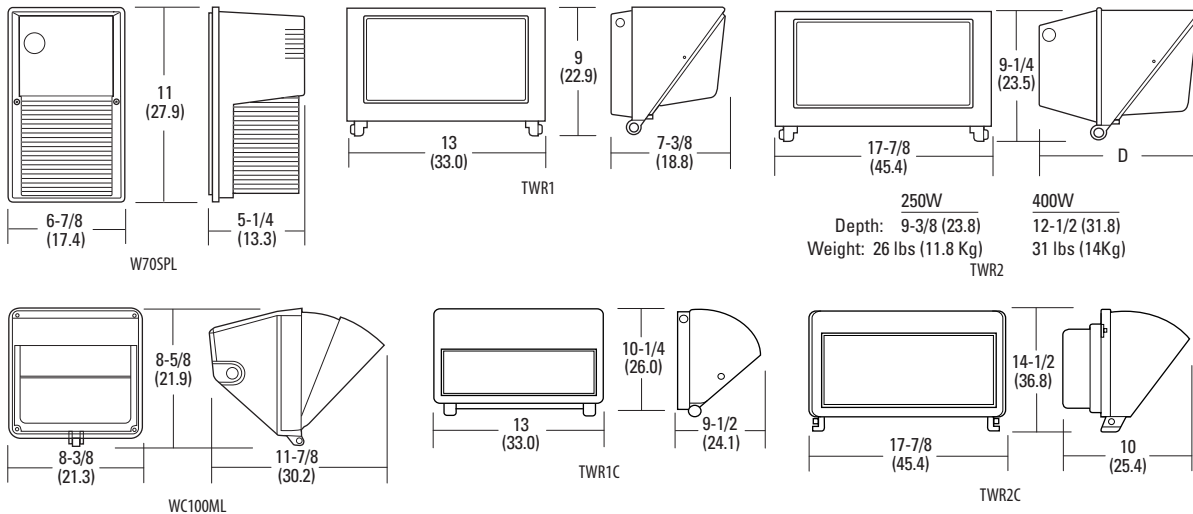
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP	VOLTAGE	FINISH	LAMP INCLUDED	PHOTOCELL INCLUDED	APPROXIMATE WEIGHT (LBS)	STANDARD CARTON QUANTITY
W70SPL 120 M6	Non-cutoff	70	HPS	120	Dark bronze	Y	Y	5	6
WC100ML M4	Cutoff	100	MH	120/208/240/277	Dark bronze	Y	N	10	4
TWR1 150M TB LPI	Non-cutoff	150	MH	120/208/240/277	Dark bronze	Y	--	18	1
TWR1C 150M TB LPI	Cutoff	150	MH	120/208/240/277	Dark bronze	Y	--	18	1
TWR2 250M TB SCWA LPI	Non-cutoff	250	MH	120/208/240/277	Dark bronze	Y	--	26	1
TWR2C 250M TB SCWA LPI	Cutoff	250	MH	120/208/240/277	Dark bronze	Y	--	21	1
TWR2 400M TB SCWA LPI	Non-cutoff	400	MH	120/208/240/277	Dark bronze	Y	--	31	1
TWR2C 400M TB SCWA LPI	Cutoff	400	MH	120/208/240/277	Dark bronze	Y	--	25	1

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

Utility wall-, ceiling-, or pendant-mounted fixtures for general-purpose applications. Incandescent, fluorescent, metal halide, or high pressure sodium sources.

Construction

Vapor tights: Rugged, die-cast aluminum housing. Gray finish.

VRC: Rugged, die-cast aluminum housing. Dark bronze finish.

Optics

Vapor tights: Prismatic globe for even distribution.

VRC: Clear prismatic polycarbonate lens.

Electrical

Junction box included on vapor tights. Ballast: 120V for vapor tights; 120/277 for VRC.

Installation

Designed for easy installation and maintenance.

Vapor tights: 3/4" threaded knockouts allow for side or top conduit entry.

VRC: Three threaded 1/2" NPS plugs allow for conduit entry, or housing may be mounted over the outlet box.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.

VAPOR TIGHTS & CEILING MOUNT UTILITY



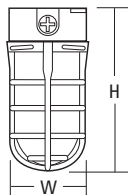
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP	VOLTAGE	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QUANTITY
VC150I M12	Vapor tight ceiling mount	150	Incandescent	120	N	2	12
VP150I M12	Vapor tight pendant mount	150	Incandescent	120	N	2	12
VW150I M12	Vapor tight wall mount	150	Incandescent	120	N	2	12
VC300I M6	Vapor tight ceiling mount	300	Incandescent	120	N	2	6
VP300I M6	Vapor tight pendant mount	300	Incandescent	120	N	2	6
VW300I M6	Vapor tight wall mount	300	Incandescent	120	N	2	6
VC42L M6	Vapor tight ceiling mount	42	Fluorescent	120	Y	6	6
VP42L M6	Vapor tight pendant mount	42	Fluorescent	120	Y	6	6
VW42L M6	Vapor tight wall mount	42	Fluorescent	120	Y	6	6
VC100ML M6	Vapor tight ceiling mount	100	MH	120	Y	9	6
VP100ML M6	Vapor tight pendant mount	100	NH	120	Y	8	6
VW100ML M6	Vapor tight wall mount	100	MH	120	Y	10	6
VC150SL M6	Vapor tight ceiling mount	150	HPS	120	Y	9	6
VP150SL M6	Vapor tight pendant mount	150	HPS	120	Y	8	6
VW150SL M6	Vapor tight wall mount	150	HPS	120	Y	10	6
VRC70ML 120/277 M6	Ceiling mount	70	MH	120/277	Y	9	6
VRC70SL 120/277 M6	Ceiling mount	70	HPS	120/277	Y	9	6

ADDITIONAL INFORMATION

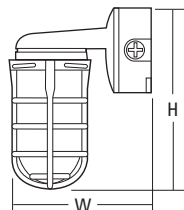
For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



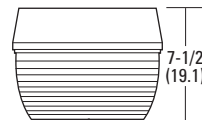
VC42L
VC150SL
VC100ML

	VC150I	VC300I	VC150SL
Height:	9 (22.9)	11-3/8 (28.9)	14-7/8 (37.8)
Width:	4-1/2 (11.4)	5-3/4 (14.6)	7 (17.8)

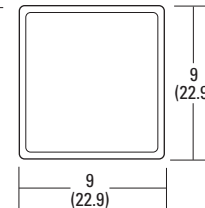


VW42L
VW150SL
VW100ML

	VW150I	VW300I	VW42L
Height:	10 (25.4)	11-7/8 (30.2)	15-1/2 (39.4)
Width:	7-1/4 (18.4)	8-3/4 (22.2)	8-3/4 (22.2)



VRC70



PRODUCT INFORMATION

ENTRY LIGHTS

**Intended Use**

For entrances in motels, condominiums and other pedestrian areas.

Construction

Die-cast aluminum housing with electrostatically applied dark bronze polyester powder finish. White finish available.

Optics

Both white polycarbonate globe and cylinder-shaped lens are included with each fixture.

Electrical

Ballast: 120V.

Socket: Medium-base porcelain socket, vertically oriented with copper alloy, nickel-plated screw shell and center contact. Fluorescent 2-pin socket.

Installation

Building-mounted over junction box.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month

warranty against mechanical defects in manufacture.

CONTRACTOR
SELECT

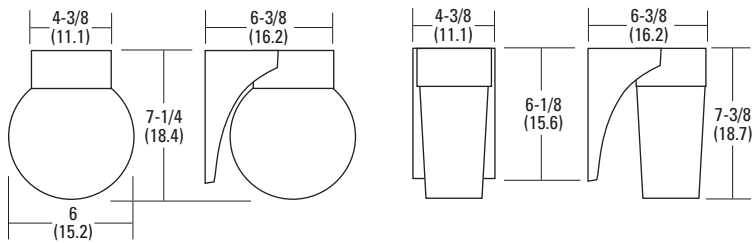
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	VOLTAGE	FINISH	LAMP INCLUDED	APPROXIMATE WEIGHT (LBS)	STANDARD CARTON QUANTITY
JJ100I M6	Incandescent entry light	100	120	Dark bronze	N	3	6
JJ100IW M6	Incandescent entry light	100	120	White	N	3	6
JJ13L 120 M6	Fluorescent entry light	13	120	Dark bronze	Y	3	6
JJ13IW 120 M6	Fluorescent entry light	13	120	White	Y	3	6
JJ50SL 120 M6	HPS entry light	50	120	Dark bronze	Y	4	6
JJ50SLW 120 M6	HPS entry light	50	120	White	Y	4	6

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PGR



Intended Use
For parking garage applications.

Construction
Upper housing: Rugged, die-cast aluminum with one-piece silicone gasketing. Standard finish is white, corrosion-resistant polyester powder paint. Other architectural colors available as listed below.

Lower Assembly: Precision injection-molded, UV stabilized acrylic. Hinged and secured with four stainless steel screws. Polycarbonate available.

Optics
Lower semi-specular, faceted, vacuum metalized aluminum reflector and upper-precision, injection-molded, prismatic acrylic refractor. Polycarbonate refractor available.

Electrical
Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-200W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Electronic MH: 180°C Class H insulation system. Ballast is high power factor, <15% THD with starting temperature of -22°F (-30°C). Compact Fluorescent: Ballast is Class P, electronic, high power factor, <10% THD with starting temperature of 0°F (-18°C). Induction: High-

Frequency Generator - Supplies high-frequency power to the discharge vessel (lamp) to initiate and maintain a gas discharge for a rated 100,000 hours of life (optimized for ambient temperatures ranging from -40° to 25°C; higher ambient temperatures may reduce lamp life). Power Coupler - Induction coil transfers energy from the generator to the discharge vessel. Discharge Vessel - Glass bulb contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the discharge vessel is coated with a fluorescent powder which produces light at 3000K color and 80+ CRI.

Socket: Medium-base, UL Listed 660W, 600V, 4K socket. CFL sockets are high temperature thermoplastic with integral retention clip. LPI is standard 35K for CFL.

Installation
Mounting: Fully silicone-gasketed, galvanized steel plate. Surface mounts to recessed box or pendant mounts to industry standard J-boxes. The quick-mounting bracket doubles as a hanger for the fixture, allowing for trouble-free electrical connections. The fixture twist-locks into place in a firm, secure fashion.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient operation and wet locations. U.S. Patent No. D402,075. Canadian patent No. 86779.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

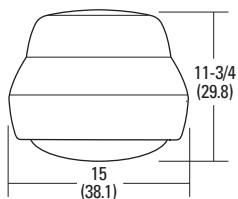
Example: PGR 100M TB LPI

Series	Lamp type	Voltage	Ballast	Mounting	Options				
PGR	High pressure sodium ¹	175M	Electronic metal halide ^{2,5}	Induction ⁶	120	480 ^{7,8,9,10}	(blank) Magnetic ballast	Ships separately ¹⁵	Ships installed
	200M ³	50M	85IL	208 ^{7,8}	TB ^{10,11}	CWI	YK Yoke	SF Single fuse, 120V, 277V, 347V	
	70S	Metal halide ceramic ⁴	85IL/40	240 ^{7,8}	23050HZ ¹²	OJB	Offset junction box	DF Double fuse, 208V, 240V, 480V	
	100S	50MH ^{1,2}	70M	277	MVOLT ¹³	OJBHK	Offset junction box (for use with HEB, CFL, IL)	GMF Internal slow-blow fusing	
	150S	70MH ^{1,2}	2/42TRT	347	TVOLT ¹⁴	SCWA	Super CWA ballast	EC Emergency circuit ¹⁶	
	Metal halide	100MH ¹	2/57TRT			HEB	Electronic metal halide	QRS Quartz restrrike system ¹⁶	
	50M ^{1,2}	150MHC	2/70TRT					QRSTD QRS time delay ^{16,17}	
	70M ^{1,2}	85TRT						KW1 KiloWatch 120V control ¹⁸	
	100M¹							KW4 KiloWatch 277V control ¹⁸	
	150M								

Options (continued)			Finish	Lamped
TP	Tamperproof	CSA	(blank) White (std.)	LPI Lamp included
HS	House-side shield ^{19,20}	NOM	DDB Dark bronze	L/LP Less lamp
HSR	House-side glare shield ready ^{19,20}	INTL	DBL Black	LP Lamp factory installed
HA	High ambient (40°C) ^{20,21,22}		DGC Charcoal gray	
FLR	Frosted lower lens	Ships separately ¹⁵	DNA Natural aluminum	
DN	Downlight focused ^{8,10,19,21}	BDS	CR Enhanced corrosion resistance	
PC	Polycarbonate refractor/lower housing/lens		CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 20 lbs (9.0 kg)

Notes

- Not available with SCWA.
- Not available with 480V.
- Must be ordered with SCWA option.
- Not applicable with L/LP.
- Must be ordered with HEB option. (For ceramic lamp, order as 50MHC or 70MHC).
- Must be ordered with LP option. Optimized for use in areas where ambient temperature does not exceed 20°C. Higher ambient temperatures may reduce lamp life.
- Must specify CWI for use in Canada.
- Not available with induction.
- Available in 150S, 175M and 200M only.
- Not available with compact fluorescent.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.

- Consult factory for available wattages.
- Optional multi-volt electronic ballast capable of operating on any line voltage from 120V-277V. Use for both compact fluorescent and electronic HID.
- Optional tri-volt electronic ballast capable of operating on any line voltage from 200V-277V. Available with induction only.
- May be ordered as an accessory. Must specify finish. Prefix with fixture name and size (e.g. PGRYK U).
- Maximum allowable wattage lamp included.
- Not available with KiloWatch.
- Available with 175M, 200M and 150S only.
- Not available with HA (high ambient) option.
- Not available with DN (downlight focused) option.
- Not available with HS (house-side glare shield).
- Not available with 200M.

PRODUCT INFORMATION

TGL TGR

Acrylume®



Intended Use

For areas that require optimum vertical illumination with glare control at low mounting heights. Ideal for parking garages, greenhouses, garden centers and low-profile industrial aisles.

Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.

Construction

Housing: Rugged, heavy, die-cast aluminum housing. Standard finish is natural aluminum polyester powder finish.

Induction lighting: High-frequency generator/ballast

supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life.

Optics

One-piece, injection-molded, 100% virgin acrylic refractor. TGL Type V (A165), Type II (A162), TGR Type V (A125) and Type I (A121) distributions are available. Polycarbonate refractor available. Consult factory.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-200W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation

compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation

Standard quick-mount attachment plate mounts to 4" square or octagonal J-box. **Factory installed pendant mount option (PM) available.**

Listings

TGL: UL Listed to U.S. and Canadian safety standards. NOM Certified. TGR: UL Listed and CSA Certified. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (100M); -30°C to 25°C (250M); -40°C to 25°C (85IL). UL wet location standard for 150W metal halide TGL / TGR. Optional for all other wattages.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TGL 200MP A165 TB SCWA

Series	Lamp type ⁶	Reflector	Voltage	Ballast	Options
TGL	<u>Protected metal halide</u>	<u>High pressure sodium</u>	A165	TB⁴	Pulse start metal halide
TGR	100MP	70S	A162	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.
	150MP	100S	A125	208 ^{1,2,3}	SCWA Super constant wattage autotransformer
	200MP	150S	A121	240 ^{1,2}	RLB Regulated Lag ballast
		<u>Induction</u>		277	<u>Non-EISA ballast</u>
		55IL		347	(blank) Standard magnetic ballast ⁵
		85IL		480	CWA Constant wattage ⁵
				TVOLT ⁷	CWI Constant wattage isolated ⁵
				MRB	Magnetic regular ballast

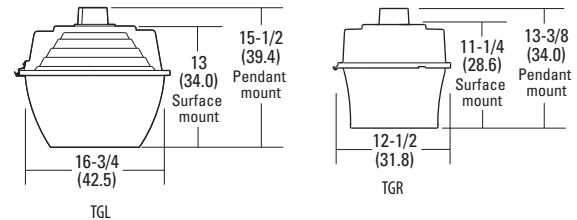
For options and accessories, see page 439.

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	REFLECTOR		LAMP TYPE
	TYPE V	TYPE II	
TGL	A165	A162	100MP, 150MP, 200MP, 70S, 100S, 150S, 55IL, 85IL
TGR	A125	A121	100MP, 70S, 100S, 150S
TGL	A165	A162	55IL, 85IL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-250W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-150W only.
- 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only. 150, 200W metal halide only.
- Specify lamp type and reflector, see configurations table.
- 55IL and 85IL only.

KPS



Intended Use
For parking garage applications.

Construction
Housing: Rugged, heavy-gauge aluminum housing. Square shape, continuous welded seams for weather-tight integrity.

Door Assembly: Extruded-aluminum doorframe has an impact-resistant, tempered glass lens. Doorframe is sealed to housing by EPDM closed-cell gasket.

Finish: Dark bronze (DDB) corrosion-resistant polyester powder finish standard. Additional architectural colors available; see

www.lithonia.com/archcolors. Stainless steel housing also available.

Optics
Reflectors are anodized, hydroformed aluminum. Four cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric). Type V reflector is vertically lamped; all others horizontally lamped. Reflectors are field-interchangeable and hinge out for easy removal during installation/maintenance.

Electrical
Ballast: All ballasts are 100% factory tested. High reac-

tance, high power factor for 150W and below. Constant wattage autotransformer 175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Electrical components are unitized on removable power module. Positive-locking, quick-disconnect on primary and secondary circuits.

Socket: Medium-base porcelain socket standard. Mogul-base porcelain socket for 175W metal halide. 4KV pulse rated.

Installation
Direct mounting to recessed J-box is standard; yoke or recessed mountings optional. Housing will accommodate both top and side branch-circuit wiring and has internal splice compartment.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for damp locations. SS option: UL Listed for 25°C ambient and damp location. RMG option: UL Listed for recessed mounting, wet locations and covered ceilings only.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

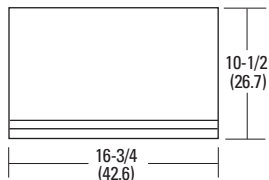
Example: KPS 100M R3 TB LPI

Series	Lamp type		Distribution	Voltage	Ballast	Mounting	
KPS	<u>High pressure sodium¹</u>	<u>Metal halide</u>	R2 Type II roadway	120	(blank) Magnetic ballast	<u>Ships installed</u>	
	50S	100M¹	R3 Type III asymmetric	208 ³	CWI Constant wattage isolated ⁵	(blank) Ceiling mount (std.)	
	70S	150M	R4 Type IV, FT	240 ³	SCWA Super CWA ballast	RMG Recessed mount 2"x2" (grid ceiling) ⁶	
	100S	175M	R5 Type V symmetric	277		<u>Ships separately</u>	
	150S	<u>Metal halide ceramic²</u>		347		YK Yoke ^{7,8,9}	
		100MHC ¹		480 ³			
		150MHC		TB⁴			
				23050HZ ³			
	Options						
	<u>Ships installed</u>		KW4 KiloWatch 277V control ¹¹	INTL International shipment for 175M	(blank) Dark bronze (std.)	LPI Lamp included	
SF Single fuse, 120V, 277V, 347V	MOG Mogul base socket ¹²		<u>Ships separately</u>	DBL Black	L/LP Less lamp		
DF Double fuse, 208V, 240V, 480V	WL Wet location ⁷		VG Vandal guard ⁸	DGC Charcoal gray			
EC Emergency circuit ¹⁰	SS Stainless steel housing ⁶			DMB Medium bronze			
QRS Quartz restrike system ¹⁰	CSA Meets Canadian standards			DNA Natural aluminum			
KW1 KiloWatch 120V control ¹¹	NOM Meets Mexican standards (consult factory)			DWH White			
				CR Enhanced corrosion resistance			
				CRT Non-stick protective coating (black)			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 36 lbs (16 kg)

Notes

- Not available with SCWA.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- SS and RMG cannot be ordered together.
- Not available with RMG.
- May be ordered as an accessory. Prefix with fixture name (e.g., KPSYK U).
- Must specify finish.
- Maximum allowable wattage lamp included.
- Available with 175M SCWA only.
- Not available with metal halide.

PRODUCT INFORMATION

KACM



Intended Use

For parking garages, convenience stores, hotels and walkways.

For covered ceiling, mount on concrete, steel or aluminum. Not for use in dwellings.

Construction

Housing: Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness. Die-cast aluminum doorframe has prismatic, impact-resistant, tempered glass; drop dish acrylic lens or drop dish polycarbonate lens. Doorframe is fully gasketed with one-piece tubular silicone. Surface mounted utiliz-

ing four 0.5" mounting holes and one 0.875" wire-entry hole (mounting hardware not included). Dark bronze (DDB) corrosion-resistant polyester powder finish is standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant

wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Induction: High-Frequency Generator - Supplies high-frequency power to the discharge vessel (lamp) to initiate and maintain a gas discharge for a rated 100,000 hours of life (optimized for ambient

temperatures ranging from -40° to 25°C; higher ambient temperatures may reduce lamp life).

Socket: Mogul-base porcelain socket, 4KV pulse rated. Position-oriented socket standard on all metal halide units.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. UL Listed for 25°C ambient temperature.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

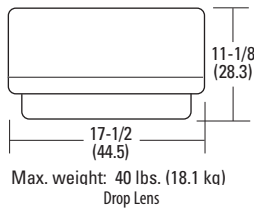
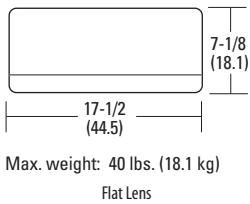
Example: KACM 400M DPA TB SCWA LPI

Series	Lamp type	Metal halide	Metal halide ceramic ⁴	Distribution	Voltage	Ballast	Mounting		
KACM	High pressure sodium ¹			FP Flat C73 ⁶	120	(blank) Magnetic ballast	Ships installed		
	150S	100M ¹	100MHC ¹	DPA Drop acrylic	208 ⁷	CWI Constant wattage isolated ⁹	(blank) Ceiling mount (std.)		
	250S	150M	150MHC	DPP Drop polycarbonate	240 ⁷	SCWA Super CWA ballast	TC Thru-wire conduit tee		
	400S	175M²	<u>Induction</u>		277		Ships separately ¹¹		
		200M ³	165IL ⁵		347		YK Yoke ^{12,13}		
		250M			480 ⁷				
		320M ³			TB⁸				
		400M			23050HZ ⁹				
					TVOLT ¹⁰				
Options				Finish		Lamped			
Ships installed				INTL Available for MH probe start shipping outside the U.S.		(blank) Dark bronze (std.)			
SF	Single fuse, 120V, 277V, 347V			Ships separately ¹¹		DBL	Black	LPI	Lamp included
DF	Double fuse, 208V, 240V, 480V			VG	Vandal guard ¹⁵	DGC	Charcoal gray	L/LP	Less lamp
EC	Emergency circuit ¹⁴			WG	Wire guard ¹⁶	DMB	Medium bronze	LP	Lamp factory installed
QRS	Quartz restrike system ¹⁴					DNA	Natural aluminum		
CSA	Meets Canadian standards					DWH	White		
NOM	Meets Mexican standards (consult factory)					CR	Enhanced corrosion resistance		
						CRT	Non-stick protective coating (black)		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with SCWA.
- Universal mogul base lamp allows KACM to be available with SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Must be ordered with LP option.
- Not available with 165IL.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Induction only.
- May be ordered as an accessory.
- Order accessory as KACMYK.
- Must specify finish.
- Maximum allowable wattage lamp included.
- FP lens only. Order accessory as KACVG.
- Order accessory as KACWG.

ASF

Aeris™



Intended Use

For landscape and facade lighting.

Construction

Rugged, die-cast, single-piece low copper alloy aluminum housing.

Door Assembly: Die-cast door-frame has impact-resistant, tempered glass lens. Door frame is fully sealed with a closed cell silicone gasket.

Finish: Standard finish is textured dark bronze polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors for more information.

Optics

Anodized aluminum reflectors; segmented, specular or hammertone finish. Reflectors are interchangeable and allow for tool-less access to electrical components.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant,

are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for ASF1, mogul-base socket for ASF2, with copper alloy, nickel-plated screw shell and center contact (UL Listed 660W, 600V, 4KV pulse rated). Fluorescent is four-pin positive latching thermoplastic. UL listed. LPI is standard 35K for CFL.

Installation

ASF1 standard mounting is cast 3/4" threaded knuckle. ASF2 standard mounting is heavy-duty, cast-aluminum swivel that fits over standard 1-1/2" (1.9" O.D.) to 2" (2.38" O.D.). Optional yoke mounting available in both sizes.

Listings

UL Listed suitable for wet locations in all orientations and 25°C ambient. UL Listed to U.S. and Canadian safety standards. NOM Certified (see Options). IP66 rated. Patents pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ASF1 100M WDF 120 LPI

Series	Lamp type ¹	Distribution			Voltage	Ballast	Mounting		
ASF1	High pressure sodium ²	Metal halide	Metal halide ceramic ⁸	Compact fluorescent ^{2,9}	NSP Narrow spot	(blank) Magnetic ballast	Ships installed		
ASF2	50S	50M ^{2,4}	50MHC ^{2,4}	26DTT	SP Spot	208 ¹⁰	CWI Constant wattage isolated ¹³	(blank) ASF1 3/4" threaded knuckle (std.)	AFTMB Twin mounting bar
	70S	70M^{2,4}	70MHC ^{2,4}	2/26DTT	HSP Horizontal spot	240 ¹⁰	SCWA Super CWA ballast	(blank) ASF2 swivel (std.)	AFTS Architectural tenon slipfitter for 3/4" THK option
	100S	100M²	100MHC ²	32TRT	MDF Medium flood	277		YK Yoke mount	AFSTMTHK Stanchion mount for 3/4" THK option
	150S	150M²	150MHC	2/32TRT	WDF Wide flood	347		<i>Ships separately^{14,15}</i>	AFWMATHK Wall-mount arm for 3/4" THK option
	200S	175M⁵		42 TRT	VFW Vertical flood-wide	480 ¹⁰		AFTM Tenon base mount	AFWMPTHK Wall-mount plate for 3/4" THK option
	250S	200M ⁶		2/42TRT	VFN Vertical flood-narrow	TB¹¹		AFSTM Stanchion mount	AFTMBTHK Twin mounting bar for 3/4" THK option
	400S ³	250M		57TRT		MVOLT ¹²		AFWMA Wall-mount arm	AFJB Architectural J-box for 3/4" THK option
		320M ⁶		70TRT		23050HZ ¹³			
		350M ^{6,7}							
		400M⁷							

Options				Finish		Lamped		
Ships installed				(blank) Textured dark bronze	LPI Lamp included			
SF	Single fuse, 120V, 277V, 347V	PE	Photoelectric cell, button type ¹⁷	VG	Vandal guard	DSST	Textured sandstone	L/LP Less lamp
DF	Double fuse, 208V, 240V, 480V	2/1	Two 1-lamp ballasts ¹⁸	BD	Barn door ¹⁵	DNAT	Textured natural aluminum	
GMF	Internal slow-blow fusing	CSA	Meets Canadian standards	FV	Full visor ¹⁵	DWHG	Textured white	
EC	Emergency circuit ¹⁶	NOM	Meets Mexican standards (consult factory)	EV	Eggcrate visor (black only)	DBLB	Textured black	
QRS	Quartz restrike system ¹⁶	INTL	Available for MH probe start shipping outside the U.S.	GS	Glare shield (upper or bottom visor) ¹⁵	DDB	Dark bronze	
QRST	Quartz restrike time delay ¹⁶	<i>Ships separately^{14,19}</i>						
		FV/BVG	Full visor and vandal guard ¹⁵					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

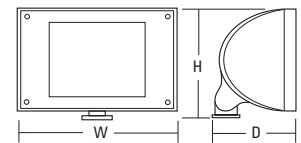
LAMP/FIXTURE DATA					
LAMP TYPE	DISTRIBUTION	CIRCUIT TYPE	LAMP SHAPE	BASE TYPE	NEMA DIST.
150S	HSP	HX-HPF	E17	Medium	5 x 3
150S	WDF	HX-HPF	E17	Medium	7 x 6
400S	HSP	CWA	ET18	Mogul	7 x 3
400S	WDF	CWA	ET18	Mogul	7 x 6
175M	NSP	CWA	E17	Medium	1 x 2
175M	HSP	CWA	E17	Medium	5 x 3
175M	WDF	CWA	E17	Medium	7 x 6
400M	NSP	CWA	ED28	Mogul	1 x 3
400M	HSP	CWA	ED28	Mogul	7 x 5
400M	WDF	CWA	ED28	Mogul	7 x 6
57TRT	WDF	Electronic, HPF	T4	GX24Q-5	7 x 6
70TRT	WDF	Electronic, HPF	T4	GX24Q-6	7 x 6

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
ASF1	50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	NSP, SP, HSP, MDF, WDF, VFW, VFN
ASF1	26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 2/32TRT, 42TRT, 2/42TRT, 57TRT, 2/57TRT, 70TRT	WDF
ASF2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400M	NSP, SP, HSP, MDF, WDF, VFW, VFN
ASF2	400S	HSP, MDF, WDF, VFW, VFN

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with NSP or SP distributions.
- Not available with 480V.
- Not available ASF1 SCWA.
- Must be ordered with SCWA.
- ED-28 reduced jacket lamp required.
- Not applicable with L/LP.
- Available with ASF1 WDF distribution only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	ASF1	ASF2
EPA:	1.2 ft ² (0.11 m ²)	2.0 ft ² (0.19 m ²)
Depth:	7-5/8 (19.3)	11 (27.9)
Width:	15-1/2 (39.4)	21-1/2 (54.6)
Height:	10-7/8 (27.6)	18-1/2 (47.0)
Max. weight:	20 lbs (9.0 kg)	35 lbs (15.8 kg)

- May be ordered as accessory.
- Must specify finish.
- ASF2 only. EC, QRS, and QRST options cannot be ordered together. Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed. Not available in 347V, 480V, or TB.
- ASF1 with CFL only. Not available with PE.
- Prefix with fixture name and size (e.g., ASF2FV).

PRODUCT INFORMATION

KFL



Intended Use
For landscape and facade lighting.

Construction
Housing: Extruded aluminum body with cast end caps. Cast aluminum doorframe is hinged and secured by stainless steel fasteners. Closed-cell silicone gasket prevents entrance of contaminants. Clear, impact-resistant, tempered glass lens with silk screen.

Finish: Dark bronze polyester powder finish standard.

Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Anodized aluminum reflectors; segmented, specular or hammertone finish. Reflectors are field interchangeable.

Electrical
Ballasts: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with

pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontal porcelain socket (KFL2 medium base, KFL3 mogul base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V 4KV pulse rated.

Installation
Standard mount is two-piece, heavy-duty, cast-aluminum swivel with integral wiring compartment (pictured). Swivel fits over standard 1-1/2" (1.9" OD) to 2" (2.38" OD) tenon. Corrosion-resistant painted steel yoke with 3-foot, 16/3 SEO cable or threaded knuckle mount (1/2" NPT) are optional.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP66 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: KFL2 100M HPW 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting
KFL2	High pressure sodium²	Metal halide ceramic⁷	120	(blank) Magnetic ballast	Ships installed
KFL3	70M^{2,3}	70MHC^{2,3}	208⁸	CWI Constant wattage isolated ¹⁰	(blank) Swivel slipfitter (std.)
	70S	100M²	240⁸	SCWA Super CWA ballast	YK Yoke mount
	100S	100MHC²	277		THK Threaded knuckle mount
	150S	150MHC	347		Ships separately^{11, 12}
	250S		480⁸		AFTM Tenon base mount ¹³
	400S		TB⁹		AFSTM Stanchion mount ¹³
			23050HZ¹⁰		
					AFWMA Wall-mount arm ¹³
					AFTMB Twin mounting bar ¹³
					AJB Architectural J-box for 1/2" THK option ¹⁴
					KFLSTMTHK Stanchion mount for 1/2" THK option ¹⁴
					KFLTMBTHK Twin mounting bar for 1/2" THK option ¹⁴
					KFLWMATHK Wall mount for 1/2" THK option ¹⁴
					TS Tenon slipfitter (2-3/8" OD max.) ¹⁵

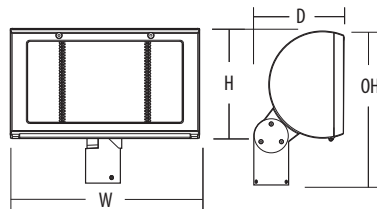
Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹⁶	DMB Medium bronze	
QRS Quartz restrrike system ¹⁶	DNA Natural aluminum	
PE Photoelectric cell, button type ¹⁷	DWH White	
CSA Meets Canadian standards	CR Enhanced corrosion resistance	
NOM Meets Mexican standards (consult factory)	CRT Non-stick protective coating (black)	
INTL Available for MH probe start shipping outside the U.S.		
Ships separately^{11, 18}		
UV/BVG Upper visor and bubble vandal guard ¹²		
WG Wire guard		
BVG Bubble vandal guard		
BD Barn door ¹²		
FV Full visor ¹²		
UV Upper visor ¹²		
BV Bottom visor ¹²		
EV Eggcrate visor (black only)		
HLV Horizontal louver ¹²		
VLV Vertical louver ¹²		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KFL2	70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SP, BP, RN, RM, RW, HPN, HPM, HPW, FT
KFL3	175M, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SP, RN, RM, RW, HPN, HPM, HPW, FT

LAMP/FIXTURE DATA					
LAMP TYPE	DISTRIBUTION	CIRCUIT TYPE	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
150S	SP	HX-HPF	E17	142 x 127	3 x 1
150S	HPW	HX-HPF	E17	39 x 12	7 x 6
400S	SP	CWA	ET18	60 x 13	4 x 1
400S	HPW	CWA	ET18	144 x 140	7 x 7
175M	SP	CWA	ED17	27 x 15	2 x 1
175M	HPW	CWA	ED17	147 x 127	7 x 6
400M	SP	CWA	BT28	42 x 17	3 x 1
400M	HPW	CWA	BT28	146 x 140	7 x 7

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KFL2	KFL3
EPA:	1.3ft ² (0.12m ²)	2.0ft ² (0.19m ²)
Width:	17 (43.2)	20 (50.8)
Depth:	8-1/8 (20.6)	9-1/8 (23.2)
Height:	9-7/8 (25.1)	13-1/8 (33.3)
Overall height:	14 (35.6)	16-7/8 (42.9)
Max. weight:	29 lbs (13.1 kg)	44 lbs (19.9 kg)

- Notes**
- Specify lamp type. See Configurations table.
 - Not available with SCWA.
 - Not available with 480V.
 - Not available KFL2 SCWA.
 - Must be ordered with SCWA.
 - ED-28 reduced jacket lamp required.
 - Not applicable with L/LP.
 - Must specify CWI for use in Canada.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - Consult factory for available wattages.
 - May be ordered as an accessory.
 - Must specify finish.
 - For use with swivel mounting only. Must include swivel mount option on fixture.
 - For use with THK mounting only. Must include THK mount option on fixture.
 - For use with yoke mounting only. Must include yoke mount option on fixture.
 - Maximum allowable wattage lamp included. KFL3 only.
 - Must be ordered with fixture; cannot be field installed. Not available 347V, 480V, or TB.
 - Prefix with KFLWFL and size (e.g., KFLWFL2BVG).

170S



Intended Use

For airport aprons or parking areas.

Construction

Housing: Rugged, heavy-gauge, aluminum housing. Continuous welded seams for weather-tight integrity. Aluminum door frame secured with four stainless steel latches. Thermal-resistant and shock-resistant tempered flat lens.

Finish: Dark bronze polyester powder finish standard. Additional architectural

colors available; see www.lithonia.com/archcolors.

Optics

Anodized aluminum reflector with internal glare control louver, painted matte black to provide an asymmetrical beam pattern with sharp vertical cutoff.

Electrical

Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity.

Ballast: All ballasts are 100%

factory tested. Constant wattage autotransformer. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 320-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontal, mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation

Painted steel yoke, complete with vertical angle selector, retaining stop and 3-foot, 14/3 cable, is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 170S 400S HPN 120 SF LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
170S	<u>High pressure sodium</u>	HPN Narrow asymmetric	120	<u>Ships installed</u>	<u>Ships installed</u>
	250S		208 ³	(blank) Magnetic ballast	(blank) Yoke (std.)
	400S		240 ³	CWI Constant wattage isolated ⁵	<u>Ships separately</u>
	1000S		277	SCWA Super CWA ballast	TS Tenon slipfitter (2-3/8" OD max.) ^{6,7}
	<u>Metal halide</u>		347	<u>Ships separately</u> ⁶	MPB29 Mounting pole bracket for 2 fixtures at 90 degrees ⁸
	320M ¹		480 ³	HRBW HID remote ballast weatherproof (black)	MPB39 Mounting pole bracket for 3 fixtures at 90 degrees ⁸
	350M ¹		TB ⁴	HRB HID remote ballast (white)	MPB49 Mounting pole bracket for 4 fixtures at 90 degrees ⁸
	400M		23050HZ ²		
	1000M ²				

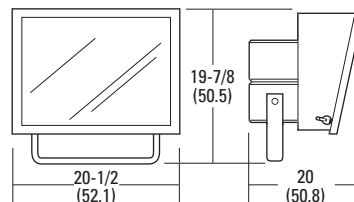
Options		Finish	Lamped
<u>Ships installed</u>		(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	<u>Ships separately</u> ⁶	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	PE1 NEMA twist-lock PE (120, 208, 240V)	DGC Charcoal gray	
QRS Quartz restrrike system ⁹	PE3 NEMA twist-lock PE (347V)	DMB Medium bronze	
PER NEMA twist-lock receptacle only ¹⁰	PE4 NEMA twist-lock PE (480V)	DNA Natural aluminum	
CSA Meets Canadian standards	PE7 NEMA twist-lock PE (277V)	DWH White	
INTL Available for MH probe start shipping outside the U.S.	SC Shorting cap	CR Enhanced corrosion resistance	
	UV Upper visor ⁷	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	BALLAST	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
250S	HPN	CWA	ET18	128 x 55	6 x 4
400S	HPN	CWA	ET18	129 x 52	6 x 4
1000S	HPN	CWA	E25	132 x 56	7 x 4
400M	HPN	CWA	BT37	139 x 68	7 x 4
1000M	HPN	CWA	BT37	138 x 63	7 x 4

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.7 ft² (0.25 m²)
Max. weight: 83 lbs (37.6 kg)

Notes

- 1 Must be ordered with SCWA.
- 2 Requires a BT-37 reduced jacket lamp.
- 3 Must specify CWI for use in Canada.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 5 Consult factory for available wattages.
- 6 May be ordered as an accessory.
- 7 Must specify finish.
- 8 MPB bracket ships separately with junction box and hinge mechanisms. Bracket weight: 12 lbs. Must be ordered with fixture.
- 9 Maximum allowable wattage lamp included.
- 10 Photocell not included.

PRODUCT INFORMATION

95



Intended Use
For large area facade or monument floodlighting.

Construction
Housing: Rugged, heavy-gauge, aluminum housing, horizontal (95) or vertical (95V) lamp orientation. Continuous welded seams, fully gasketed for weathertight integrity. Aluminum doorframe secured with four stainless steel latches. Thermal-resistant and shock-resistant tempered flat lens.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Segmented anodized aluminum, precisely formed to provide varying rectangular beam patterns (non-rotatable).

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast:

All ballasts are 100% factory tested. Constant wattage autotransformer. Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. Uses BT 56 lamp.

Installation
Painted steel yoke complete with vertical angle selector stop, re-aiming, and 3-foot, 14/3 cable is standard.

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 95 1000S RMH 120 SF LPI

Series	Lamp type	Distribution	Voltage	Ballast
95	High pressure sodium	Horizontal lamp	120	Ships installed
95V	1000S	RMH Medium horizontal lamp	208 ⁴	(blank) Magnetic ballast
	Metal halide	RNH Narrow horizontal lamp ¹	240 ⁴	CWI Constant wattage isolated ⁶
	1000M	RWH Wide horizontal lamp	277	SCWA Super CWA ballast
		BPH Bi-peak symmetric horizontal lamp ²	347	Ships separately ⁷
		SPH Spot horizontal lamp ²	480 ⁴	HRBW HID remote ballast weatherproof (black)
			TB ⁵	HRB HID remote ballast (white)
			23050HZ ⁶	

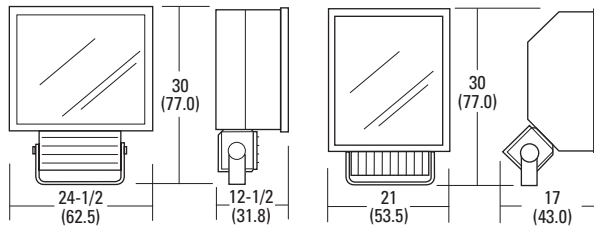
Mounting	Options	Finish	Lamped
Ships installed	Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
(blank) Yoke (std.)	SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
Ships separately ⁸	DF Double fuse, 208V, 240V, 480V	DMB Medium bronze	
TS Tenon slipfitter (2-3/8" OD max.)	PER NEMA twist-lock receptacle only ⁹	DNA Natural aluminum	
	CSA Meets Canadian standards	DWH White	
	Ships separately ⁷	CR Enhanced corrosion resistance	
	PE1 NEMA twist-lock PE (120, 240V)	CRT Non-stick protective coating (black)	
	PE3 NEMA twist-lock PE (347V)		
	PE4 NEMA twist-lock PE (480V)		
	PE7 NEMA twist-lock PE (277V)		
	SC Shorting cap		
	VG Vandal guard ¹⁰		
	FV Full visor ^{8,10}		
	UV Upper visor ^{8,10}		
	BV Bottom visor ^{8,10}		
	CV Concentric visor ^{8,10}		
	GV Glare visor (three sided) ^{8,10}		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

DISTRIBUTION	95		95V	
	1000M	1000S	1000M	1000S
RMH	4 x 1	5 x 2	3 x 5	6 x 6
RNH	3 x 1	-	3 x 3	5 x 6
RWH	5 x 1	5 x 1	3 x 5	6 x 6
BPH	-	-	4 x 5	6 x 6
SPH	2 x 1	4 x 1	-	-
RMV	5 x 3	6 x 6	1 x 4	2 x 5
RNV	3 x 3	6 x 5	1 x 3	-
RWV	5 x 4	6 x 6	1 x 4	1 x 5
BPV	5 x 4	6 x 6	-	-
SPV	-	-	1 x 2	1 x 4

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 4.7 ft² (0.44 m²)
Max. weight: 90 lbs (40.8 kg)

EPA: 4.3 ft² (0.40 m²)
Max. weight: 90 lbs (40.8 kg)

Notes

- Not available with 95 1000S.
- BPH and SPV for use with 95V only. SPH and BPV for use with 95 only.
- Not available with 95V 1000S.
- Must specify CWI for use in Canada.
- Multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Photocell not included.
- Prefix with fixture name and size (e.g., 95UV).



Intended Use

For large area facade or monument floodlighting.

Construction

Housing: Rugged, heavy-gauge, aluminum housing, horizontal (55) or vertical lamp (55V) orientation. Continuous welded seams, fully gasketed for weather-tight integrity. Aluminum doorframe secured with four stainless steel latches. Thermal-resistant, tempered flat lens.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Anodized aluminum reflector. Seven distributions available to provide varying rectangular beam patterns (non-rotatable).

Electrical

Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural

integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 320-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell

and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Installation

Painted, steel yoke complete with angle selector, aiming stop, and 3-foot, 14/3 cable is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 55 1000S RPN TB LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
55	High pressure sodium	RMA Medium A ²	120	Ships installed	Ships installed
55V	1000S	RNA Narrow A ²	208 ⁴	(blank) Magnetic ballast	(blank) Yoke (std.)
	Metal halide	RWA Wide A ²	240 ⁴	CWI Constant wattage isolated ⁶	Ships separately ^{7,8}
	320M ¹	RME Medium E ³	277	SCWA Super CWA ballast	TS Tenon slipfitter (2-3/8" OD max.)
	350M ¹	RNE Narrow E ³	347	Ships separately ⁷	
	400M	RWE Wide E ³	480 ⁴	HRBW HID remote ballast weatherproof (black)	
	1000M	RPN Narrow peak ³	TB ⁵	HRB HID remote ballast (white)	
			23050HZ ⁶		

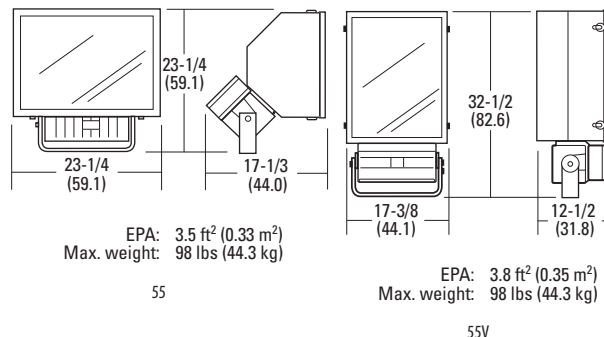
Options			Finish	Lamped
Ships installed			WG Wire guard ¹¹	(blank) Dark bronze (std.)
SF	Single fuse, 120V, 277V, 347V	Ships separately ⁷	FV Full visor ^{8,11}	DBL Black
DF	Double fuse, 208V, 240V, 480V	PE1 NEMA twist-lock PE (120, 208, 240V)	UV Upper visor ^{8,11}	DGC Charcoal gray
QRS	Quartz restrrike system ⁹	PE3 NEMA twist-lock PE (347V)	BV Bottom visor ^{8,11}	DMB Medium bronze
PER	NEMA twist-lock receptacle only ¹⁰	PE4 NEMA twist-lock PE (480V)	GV Glare visor (three sided) ^{8,11}	DNA Natural aluminum
CSA	Meets Canadian standards	PE7 NEMA twist-lock PE (277V)		DWH White
INTL	Available for MH probe start shipping outside the U.S.	SC Shorting cap		CR Enhanced corrosion resistance
		VG Vandal guard ¹¹		CRT Non-stick protective coating (black)

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

DISTRIBUTION	DISTRIBUTION DATA					
	55			55V		
	1000M	400M	1000S	1000M	400M	1000S
RME	6 x 5	6 x 5	6 x 5	4 x 6	5 x 6	5 x 6
RNE	6 x 4	6 x 4	6 x 4	4 x 6	4 x 6	4 x 6
RPN	6 x 2	6 x 2	5 x 1	1 x 6	1 x 6	1 x 5
RWE	6 x 5	6 x 5	6 x 5	5 x 6	5 x 6	5 x 6
RNA	5 x 1	-	-	1 x 5	-	-
RMA	6 x 6	-	-	6 x 6	-	-
RWA	6 x 5	-	-	6 x 7	-	-

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be ordered with SCWA.
- 2 RMA, RNA, RWA are for use with 1000M only and require standard BT-56 lamp.
- 3 RME, RNE, RPN, RWE require reduced jacket BT-37 lamp with 1000M.
- 4 Must specify CWI for use in Canada.
- 5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 6 Consult factory for available wattages.
- 7 May be ordered as an accessory.
- 8 Must specify finish.
- 9 Maximum allowable wattage lamp included.
- 10 Photocell not included.
- 11 May be ordered as accessory. Prefix with fixture name (e.g., 55IUV).

PRODUCT INFORMATION

HFA
HFL



Intended Use

For general to heavy industrial applications, including Class 1, Division 2 classified hazardous locations, marine and corrosive environments, or wherever excessive vibration and dirt may exist.

Construction

Housing: NEMA heavy-duty constructed housing. Die-cast copper-free (<.4%) aluminum housing with round corners and front bezel. Front bezel is removable via position-oriented hinge-cam design. Lens is thermal- and shock-resistant, clear, tempered glass with no metal-to-glass contact. Hardware is

corrosion-resistant. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Computer-designed, precision-formed reflectors for high performance and efficiency. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of contaminants. HFL 400W metal halide requires an ED28 reduced jacketed lamp.

Electrical

Electrical components are mounted to cast aluminum

housing, promoting maximum heat dissipation. Electrical: Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 250W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S..

Socket: Porcelain, horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center

contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

HFA: front bezel is latched for easy tool-less internal access to optical and electrical compartments. Corrosion-resistant, heavy-duty, painted steel mounting yoke. Three-quarter-inch female threaded conduit hub provided.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed Class 1, Division 2, Groups A, B, C and D for hazardous locations. UL Listed for marine outside locations. IP65 rated.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: HFA 400S TA 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting
HFA	High pressure sodium ²	HFA	120	(blank) Magnetic ballast	(blank) Yoke (std.)
HFL	250S	TA Horizontal	208 ⁴	SCWA Super CWA ballast	
	400S	RN Narrow symmetric	240 ⁴		
	Metal halide	HFL	277		
	250M	RA2 Rectangular beam	347		
	400M ³		480 ⁴		
			TB ⁵		

Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
TP Tamperproof latches ⁶	CR Enhanced corrosion resistance	L/LP Less lamp
CSA Meets Canadian standards	CRT Non-stick protective coating (black)	
INTL Available for MH probe start shipping outside the U.S.		

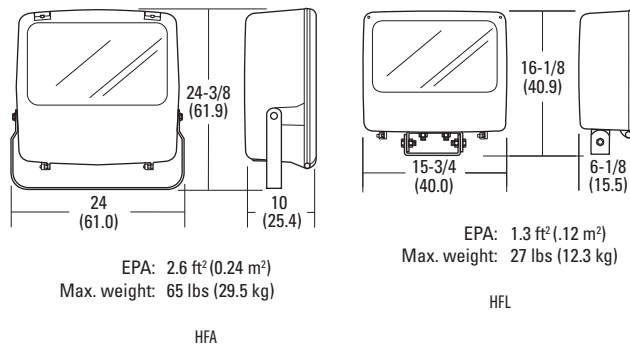
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
HFA	250S, 250M, 400S, 400M	TA, RN
HFL	400S, 400M	RA2

TEMPERATURE CODES			
SERIES	LAMP TYPE	T-CODE OR TEMP.	MAX. INTERNAL TEMP.
HFA	250M	T1	336°C
HFA	400M	T1	343°C
HFA	250S	T1	301°C
HFA	400S	T1	352°C
HFL	400M	T1	433°C
HFL	400S	T1	426°C

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- HFL 400M must use reduced jacket ED-28 lamp.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- HFA only.

HFR HFM



Intended Use

For general to heavy industrial applications, including Class 1, Division 2 classified hazardous locations, marine and corrosive environments, or where excessive vibration and dirt may exist.

Construction

Housing: NEMA heavy-duty constructed housing. Die-cast copper-free (<.4%) aluminum housing with rounded corners and front bezel. Front bezel is removable via position-oriented hinge-cam design. Lens is thermal- and shock-resistant, clear, tempered glass with no metal-to-

glass contact. Hardware is corrosion-resistant. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Computer-designed, precision-formed reflector for high performance and efficiency. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants.

Electrical

Electrical components mounted to cast aluminum housing, promoting

maximum heat dissipation. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S..

Socket: Porcelain, horizontally oriented, mogul-base (HFR) or medium-base (HFM) socket with copper alloy, nickel-

plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

Corrosion-resistant, heavy-duty, painted steel mounting yoke. Three-quarter-inch female threaded conduit hub provided.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed, Class 1, Division 2, Groups A, B, C and D for hazardous locations. UL Listed for marine outside locations. IP65 rated.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: HFR 400S TA 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting	Options	Finish	Lamped
HFM	High pressure sodium ²	RG Horizontal	120	(blank) Magnetic ballast	(blank) Yoke (std.)	Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
HFR	100S	TA Horizontal	208 ⁴	SCWA Super CWA ballast		CSA Meets Canadian standards	CR Enhanced corrosion resistance	L/LP Less lamp
	150S	RB Vertical	240 ⁴			INTL Available for MH probe start shipping outside the U.S.	CRT Non-stick protective coating (black)	
	250S	RC Vertical	277					
	400S		347					
	400S		480 ⁵					
	Metal halide		TB ⁶					
	175M ³							
	250M							
	400M							

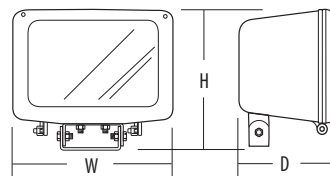
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

AVAILABLE CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
HFR	150S, 175M, 250S, 250M, 400S, 400M	TA, RB, RC
HFM	100S, 150S	RB, RG

TEMPERATURE CODES			
SERIES	LAMP TYPE	T-CODE OR TEMP.	MAX. INTERNAL TEMP.
HFR	250M	T1	347°C
HFR	400M	T1	359°C
HFR	150S	T2B	238°C
HFR	250S	T1	332°C
HFR	400S	T1	376°C
HFM	100S	280	280°C
HFM	150S	350	341°C

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	HFR	HFM
EPA:	1.3 ft ² (0.12 m ²)	0.5 ft ² (0.05 m ²)
Width:	17-5/8 (44.8)	10-1/2 (26.9)
Depth:	10-3/4 (32.4)	6-3/4 (17.5)
Height:	10-7/8 (27.4)	18-1/2 (47.0)
Weight:	20 lbs (9.0 kg)	35 lbs (15.8 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with HFM SCWA.
- Consult factory for availability in Canada.
- Not available in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.

PRODUCT INFORMATION

TFA

Contour®



Intended Use
For industrial yards, parking lots, construction sites, streets and recreational areas.

Construction
Housing: Heavy-duty construction. Contoured die-cast aluminum housing and front bezel. Bezel hinged and latched for fast, easy tool-less internal access to optical and electrical compartments. Lens is heavy-duty, thermal- and shock-resistant, clear, tempered glass with no metal-to-glass contact.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Computer-designed, precision die-formed, specular anodized aluminum reflector provides high efficiencies. Premium, one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants.

Electrical
Electrical components mounted to heavy-gauge

plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 250W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, horizontally or vertically oriented, mogul-base socket with cop

per alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation
Tool-less latches on front bezel can be opened while wearing gloves. Corrosion-resistant, painted steel yoke.

Listings
UL Listed (standard) (ambient temperature 25°C for 750W and above, 40°C for 400W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TFA 1000M TA TB LPI

Series	Lamp type ¹		Distribution ¹	Voltage	Ballast	Mounting
TFA	High pressure sodium ²	Metal halide	RN Horizontal	120	(blank) Magnetic ballast	Ships installed
	250S	250M	TA Horizontal	208 ⁵	CWI Constant wattage isolated ⁷	(blank) Yoke (std.)
	400S	320M ⁴	RB Vertical	240 ⁵	SCWA Super CWA ballast	IS Integral slipfitter (2-3/8" OD tenon)
	750S ³	350M ⁴	RC Vertical	277		Ships separately ^{8,9}
	1000S	400M	RE Vertical	347		AFTM Tenon mount
		750M ⁴	RM Vertical	480⁵		FRWB Radius wall bracket
		1000M	TA2 Vertical	TB⁶ 23050HZ ⁷		FSPB Steel square pole bracket

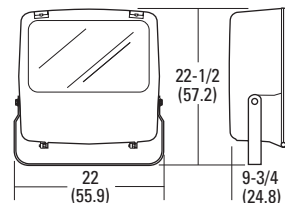
Options			Finish	Lamped
Ships installed	C62 2' 16-3 cord prewired ¹²	SC Shorting cap	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	CSA Meets Canadian standards	VG Vandal guard ¹³	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	NOM Meets Mexican standards (consult factory)	WG Wire guard ¹³	DGC Charcoal gray	
EC Emergency circuit ¹⁰	INTL Available for MH probe start shipping outside the U.S.	FV Full visor ^{9,13}	DMB Medium bronze	
QRS Quartz restrike system ¹⁰	Ships separately ⁸	UV Upper visor ^{9,13}	DNA Natural aluminum	
QRSTD Quartz restrike time delay ¹⁰	PE1 NEMA twist-lock PE (120, 208, 240V)	BV Bottom visor ^{9,13}	DWH White	
PER NEMA twist-lock receptacle only ¹¹	PE3 NEMA twist-lock PE (347V)		CR Enhanced corrosion resistance	
C22 2' 12-3 cord prewired ¹²	PE4 NEMA twist-lock PE (480V)		CRT Non-stick protective coating (black)	
C42 2' 14-3 cord prewired ¹²	PE7 NEMA twist-lock PE (277V)			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
400S	TA	CWA	ET18	140 x 134	7 x 7
400S	RN	CWA	ET18	127 x 30	6 x 3
400S	TA2	CWA	ET18	138 x 112	7 x 6
400S	RB	CWA	ET18	126 x 106	6 x 6
1000S	TA	CWA	E25	139 x 133	7 x 7
1000S	RN	CWA	E25	127 x 21	6 x 2
1000S	TA2	CWA	E25	144 x 119	7 x 6
1000S	RB	CWA	E25	128 x 114	6 x 6
400M	TA	CWA	BT37	143 x 133	7 x 7
400M	RN	CWA	BT37	129 x 35	6 x 3
400M	TA2	CWA	BT37	135 x 111	7 x 6
400M	RB	CWA	BT37	124 x 100	6 x 6
1000M	TA	CWA	BT56	146 x 135	7 x 7
1000M	RN	CWA	BT56	130 x 45	6 x 3
1000M	TA2	CWA	BT56	144 x 119	7 x 6
1000M	RB	CWA	BT56	126 x 109	6 x 6

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
TFA	250S, 250M, 320M, 350M, 400S, 400M	RN, TA, RB, RC, TA2, RM
TFA	750M	RN, TA
TFA	750S, 1000S	RN, TA, RB, TA2, RM
TFA	1000M	RN, TA, RB, RE, TA2, RM

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.6 ft² (0.24 m²)
Max. weight: 65 lbs (29.5 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available in multi-tap ballast.
- Must be ordered with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Yoke-mount only.
- Prefix with fixture name (e.g., TFAUV).

TFL
Contour®

Intended Use

For recreation areas, parking lots, building facades and car lots.

Construction

Housing: Compact, soft-corner, die-cast aluminum housing and front cover. Front bezel is fully sealed with one-piece, bonded silicone gasket. Lens is thermal- and shock-resistant, clear, tempered glass.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

TA2: vertical lamp with one-piece, hydro-formed, anodized aluminum reflector. Two-position adjustable socket. RA2: Horizontal lamp with anodized specular aluminum reflector. Both have sealed optic chamber to inhibit entrance of outside contaminants.

Electrical

Components mounted to cast-aluminum housing for maximum heat-dissipation. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer

175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, vertically or horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

Corrosion-resistant, heavy-duty, painted steel yoke. External screws treated for corrosion resistance. Above-horizontal aiming standard.

Listings

UL Listed (standard) (ambient temperature 25°C for 320W and above and 200S, 40°C for 250W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFL 400S RA2 TB LPI

Series	Lamp type		Distribution	Voltage	Ballast	Mounting							
TFL	High pressure sodium ¹	Metal halide	RA2	Rectangular beam	120	(blank)	Ships installed	FSPB	Steel square pole bracket ¹¹	FCX2	2-Light wood pole crossarm ¹²		
		150M	TA2	Vertical (max 250W)	208 ⁶	CWI	(blank) Yoke (std.)	FTS	Tenon slipfitter (2-3/8" to 2-7/8" OD tenon) ¹²	FCX3	3-Light wood pole crossarm ¹²		
		70S			240 ⁶		IS	Integral slipfitter (2-3/8" OD tenon)	FCRA	Crossarm adaptor ¹²	FCX4	4-Light wood pole crossarm ¹²	
		100S			277			Ships separately ^{9, 10}	FCRA45	Crossarm adaptor (45 degrees from horizontal) ¹²	FWPB	Wall/wood pole/pipe bracket ¹²	
		150S			347	SCWA	Super CWA ballast	AFTM	Tenon mount ¹¹	FPMB	Wall/pole mounting bracket ¹²		
		200S			480 ⁶			FRWB	Radius wall bracket ¹¹	FSAB	Steel angle bracket ¹²		
		250S			TB⁷								
	400S	400M⁴											

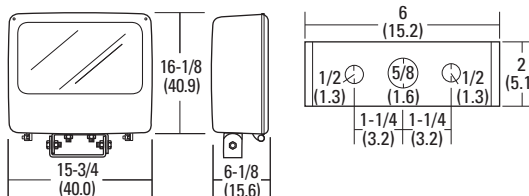
Options				Finish		Lamped					
Ships installed				CF	Charcoal filter	SC	Shorting cap	(blank)	Dark bronze	LPI	Lamp included
SF	Single fuse, 120V, 277V, 347V	DF	Double fuse, 208V, 240V, 480V	CSA	Meets Canadian standards	VG	Vandal guard ¹⁶	DBL	Black	L/LP	Less lamp
EC	Emergency circuit ¹³	ER	Emergency circuit ¹³	NOM	Meets Mexican standards (consult factory)	WG	Wire guard ¹⁶	DGC	Charcoal gray		
QRS	Quartz restrrike system ¹³	INTL	Available for MH probe start shipping outside the U.S.	INTL	Available for MH probe start shipping outside the U.S.	FV	Full visor ^{10, 16}	DMB	Medium bronze		
PER	NEMA twist-lock receptacle only ¹⁴	Ships separately ⁹		PE1	NEMA twist-lock PE (120, 208, 240V)	UV	Upper visor ^{10, 16}	DNA	Natural aluminum		
C22	2' 12-3 cord prewired ¹⁵	PE3	NEMA twist-lock PE (347V)	PE3	NEMA twist-lock PE (347V)			DWH	White		
C42	2' 14-3 cord prewired ¹⁵	PE4	NEMA twist-lock PE (480V)	PE4	NEMA twist-lock PE (480V)			CR	Enhanced corrosion resistance		
C62	2' 16-3 cord prewired ¹⁵	PE7	NEMA twist-lock PE (277V)	PE7	NEMA twist-lock PE (277V)			CRT	Non-stick protective coating (black)		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
100S	TA2	HX-HPF	E17	148 x 123	7 x 6
150S	TA2	HX-HPF	E17	155 x 119	7 x 6
250S	RA2	CWA	BT28	143 x 111	7 x 6
400S	RA2	CWA	BT28	143 x 111	7 x 6
175M	TA2	CWA	BT28	147 x 122	7 x 6
250M	RA2	CWA	BT28	140 x 104	7 x 6
400M	RA2	CWA	BT28	145 x 100	7 x 6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 1.3 ft² (0.12 m²)
Weight: 27 lbs (11.8 kg)

Notes

- Not available with SCWA.
- Universal mogul base lamp allows TFL to be available with SCWA.
- Must be ordered with SCWA.
- Requires T-15, ED or BT28 reduced jacket lamp.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as accessory.
- Must specify finish.
- For use with slipfitter.
- For use with yoke.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Yoke mount only.
- May be ordered as accessory. Prefix with fixture name (ie TFLUV).

TFR

Contour®



Intended Use

For recreation areas, parking lots, building facades and car lots.

Construction

Housing: Compact, soft corner, die-cast aluminum housing and front cover. Front bezel is removable via position-oriented hinge-cam design and is fully sealed with one-piece, bonded silicone gasket. Lens is thermal- and shock-resistant clear, tempered glass.

Finish: Dark bronze polyester powder finish standard. Additional architectural

colors available; see www.lithonia.com/archcolors.

Optics

Die-formed, anodized aluminum reflectors provide rectangular, uniform beam distributions. Three available beam distributions for maximum flexibility in area lighting applications.

Electrical

Components mounted to cast-aluminum housing, promoting maximum heat dissipation. Ballast: High reactance, high power factor for 150W. Constant wattage autotransformer 175W and

above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket - Porcelain (medium base: 150M; mogul base: all others), horizontally oriented with copper alloy, nickel plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

Corrosion-resistant, heavy-duty, painted steel mounting yoke. External screws treated for corrosion resistance. Above-horizontal aiming standard.

Listings

UL Listed (standard) (ambient temperature 25°C for 320W and above, 40°C for 250W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFR 400M TA TB SCWA LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
TFR	High pressure sodium ¹	200M ³	120	(blank) Magnetic ballast	<u>Ships installed</u>
	150S	250M	208 ⁶	CWI Constant wattage isolated ⁸	(blank) Yoke (std.)
	250S	320M ³	240 ⁶	SCWA Super CWA ballast	IS Integral slipfitter (2-3/8" OD tenon)
	400S	350M ³	277		<u>Ships separately</u> ^{9,10}
	Metal halide	400M	347		AFTM Tenon mount ¹¹
	150M	Metal halide ceramic	480 ⁶	TB ⁷	
175M ²	150MHC ⁴	23050HZ ⁵			

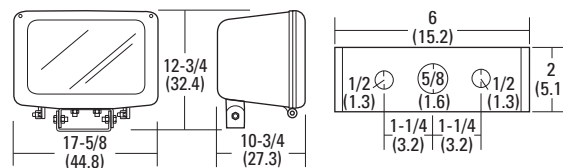
Options	Finish	Lamped
<u>Ships installed</u>	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹⁴	DMB Medium bronze	
QRS Quartz restrrike system ¹⁴	DNA Natural aluminum	
PER NEMA twist-lock receptacle only ¹⁵	DWH White	
C22 2' 12-3 cord prewired ¹²	CR Enhanced corrosion resistance	
C42 2' 14-3 cord prewired ¹²	CRT Non-stick protective coating (black)	
C62 2' 16-3 cord prewired ¹²		
CF Charcoal filter		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
<u>Ships separately</u> ⁹		
PE1 NEMA twist-lock PE (120, 208, 240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap		
VG Vandal guard ¹³		
WG Wire guard ¹³		
FV Full visor ^{10,13}		
UV Upper visor ^{10,13}		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
150S	RB	XHP	E17	114 x 107	6 x 6
150S	RC	XHP	E17	100 x 92	5 x 5
250S	TA	CWA	ET18	132 x 118	7 x 6
250S	RB	CWA	ET18	110 x 104	6 x 6
250S	RC	CWA	ET18	99 x 97	5 x 5
400S	TA	CWA	ET18	132 x 118	7 x 6
400S	RB	CWA	ET18	110 x 104	6 x 6
400S	RC	CWA	ET18	99 x 97	5 x 5
175M	TA	CWA	BT28	132 x 111	7 x 6
175M	RB	CWA	BT28	121 x 91	6 x 5
175M	RC	CWA	BT28	100 x 90	5 x 5
250M	TA	CWA	BT28	132 x 111	7 x 6
250M	RB	CWA	BT28	121 x 91	6 x 5
250M	RC	CWA	BT28	100 x 90	5 x 5
400M	TA	CWA	BT37	138 x 119	7 x 6
400M	RB	CWA	BT37	124 x 107	6 x 6
400M	RC	CWA	BT37	96 x 100	5 x 5

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 1.3 ft² (0.12 m²)
Weight: 29 lbs (13.2 kg)

Notes

- Not available with SCWA.
- Universal mogul base lamp allows TFL to be available with SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Not available with 150S.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattage.
- May be ordered as accessory.
- Must specify finish.
- Requires IS or FTS slipfitter.
- Yoke mounting only.
- Prefix with fixture name (e.g., TFREY) when ordered as accessory.
- Maximum allowable wattage lamp included.
- Photocell not included.

TFM Contour®



Intended Use

For signs, flags, building facades and landscaping.

Construction

Housing: Compact, heavy-duty construction. Die-cast aluminum housing and removable front bezel. Lens is thermal- and shock-resistant, clear, tempered glass.

Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Hydroformed, anodized aluminum, faceted parabolic (RB, RG) or die-formed (TA) construction provides high efficiencies.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: 120V is reactor normal-power factor standard (XHP available). 208V, 240V, 347V, 480V, and TB are high reactance, high power factor standard. MH: High reactance high power factor for 150W and below. Constant wattage autotransformer for 175M.

150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base, horizontally-oriented (RB, RG) or vertically-oriented (TA) socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. 4-pin socket for compact fluorescent. LPI is standard 35K for CFL.

Installation

Die-cast aluminum 1/2" NSPM threaded mounting knuckle is standard. Corrosion-resistant, painted steel yoke optional. Above-horizontal aiming standard. External screws treated for corrosion resistance.

Listings

UL Listed (standard) (ambient temperature 25°C for 150M and above; 40°C for 100M and below, 150S and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFM 100M RB 120 LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting	
TFM	High pressure sodium ¹	RB Horizontal RG Horizontal TA Vertical ⁷	120 208 ⁸ 240 ⁸ 277 347 480 ⁸ TB ⁹ MVOLT ¹⁰ 23050HZ ¹¹	(blank) Magnetic ballast CWI Constant wattage isolated ¹¹ SCWA Super CWA ballast XHP High reactance (lag), high power factor ¹²	Ships installed (blank) 1/2" threaded knuckle (std.) YK Yoke mount Ships separately ^{13, 14} AFTM Tenon mount TFMTS Tenon slipfitter	
	100M ¹					Compact fluorescent ⁵
	35S ²					13DTT
	50S					18DTT
	70S					26DTT
	100S					32TRT
	150S					42 TRT
	Metal halide					
	50M ^{1, 3}					100MH ¹
	70M ^{1, 3}					150MH

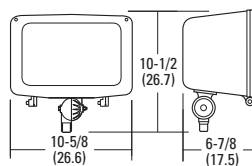
Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V ⁵	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V ⁵	DGC Charcoal gray	
GMF Internal slow-blow fusing ⁹	DMB Medium bronze	
PE Photoelectric cell, button type ¹⁵	DNA Natural aluminum	
C22 2' 12-3 cord prewired ¹⁶	DWH White	
	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DISTRIBUTION	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
70S	RB	RNP or XHP	E17	94 x 104	5 x 6
70S	RG	RNP or XHP	E17	42 x 35	3 x 3
70S	TA	RNP or XHP	E17	131 x 103	7 x 6
150S	RB	RNP or XHP	E17	88 x 95	5 x 5
150S	RG	RNP or XHP	E17	57 x 65	4 x 4
150S	TA	RNP or XHP	E17	131 x 103	7 x 6
100M	RB	XHP	E17	83 x 108	5 x 6
100M	RG	XHP	E17	58 x 60	4 x 4
100M	TA	XHP	E17	128 x 107	6 x 6
175M	RB	CWA	ED17	97 x 105	5 x 6
175M	RG	CWA	ED17	42 x 35	4 x 4
26DTT	RB	electronic, HPF	T4	125 x 132	6 x 6
42TRT	RB	electronic, HPF	T4	120 x 122	6 x 6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 0.5 ft² (0.05 m²)
Weight: 15 lbs (6.8 kg)

Notes

- Not available with SCWA.
- 120V only, n/a XHP.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not available with TA distribution.
- Not applicable with L/LP.
- TA distribution not available with 175M, compact fluorescent lamps or fusing.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- Available for 120V only. Standard for 208V, 240V, 277V, 347V and TB. HPS only.
- May be ordered as accessory.
- Must specify finish.
- Must be ordered with fixture; cannot be field installed. Not available 347, 480, or TB.
- Yoke mounting only.
- Prefix with fixture name (e.g., TFMUV) when ordered as accessory.

PRODUCT INFORMATION

TSP

Tru-Sport®



Intended Use

For stadiums, fields, arenas, tracks or courts.

Construction

Housing: Two-piece, die-cast aluminum ballast housing mounted to steel trunnion. Removable ballast is hinged with captive fastener. Steel trunnion features both vertical and horizontal aiming scale with vertical repositioning stop. Standard finish is white (DWH) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Heavy-gauge anodized reflector with five distributions available. Transverse mounting of lamp. Lamp support included. Optical chamber is sealed to inhibit entrance of contaminants. Heavy-duty hinged lens is thermal-resistant, shock-resistant and impact-resistant tempered glass. Lens frame is secured by spring clips for servicing of lamp. "Flux manager" (NFX, WFX, MFX) available for optimal glare and spill light control. Choice of general purpose or heavy-duty (shrouded) reflectors.

Electrical

All electrical components are thermally isolated from optical assembly, promoting longer life. All ballasts are 100% factory tested. Constant wattage autotransformer 400W and above. Super CWA Pulse Start ballast, 88% efficient and EISA legislation compliant, is required for 400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Die-cast socket housing. Porcelain, mogul-base socket with copper alloy, nickel-plated screw shell and

spring-loaded center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation

Fixture is mounted by securing trunnion directly to crossarm. Mounting hardware is provided. Below horizontal aiming only. All external hardware is treated for corrosion resistance.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations. US Patent No. 6,190,023. Canadian Patent No. 2,212,014. Other patents pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

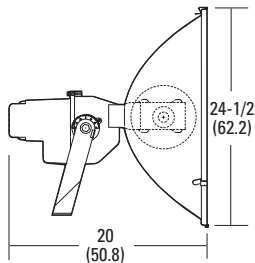
Example: TSP 1500M GP24N TB

Wattage	Lamp type	Distribution	Voltage	Ballast	Mounting	
TSP	400M	General purpose	120	(blank) Magnetic ballast	<u>Ships installed</u>	FCRA45 Crossarm adaptor (45° from horizontal)
	1000M	GP24N	208 ³	CWI Constant wattage isolated ⁵	(blank) Yoke (std.)	FPMB Wall/pole mounting bracket
	1500M¹	GP24NFX	240 ³	SCWA Super CWA ballast	<u>Ships separately⁶</u>	FSAB Steel angle bracket
		GP24M	277		FRWB Radius wall bracket	FCX2 2-Light wood pole crossarm
		GP24MFX	347		FTS Tenon slipfitter (2-3/8" to 2-7/8" OD tenon)	FCX3 3-Light wood pole crossarm
		GP24W	480³		FCRA Crossarm adaptor	FCX4 4-Light wood pole crossarm
	GP24WFX	HD24WFX	TB⁴ 23050HZ ⁵			
Options						Finish
SF	Single fuse, 120V, 277V, 347V			SLR	Stainless steel lens ring	(blank) White (std.)
DF	Double fuse, 208V, 240V, 480V			WC	Mounting bolt for wooden crossarm	DDB Dark bronze
QRS	Quartz restrike system ⁷			CSA	Meets Canadian standards	DBL Black
C22	2' 12-3 cord prewired			NOM	Meets Mexican standards (consult factory)	DMB Medium bronze
C42	2' 14-3 cord prewired			INTL	Available for MH probe start shipping outside the U.S.	DNA Natural aluminum
C62	2' 16-3 cord prewired					CR Enhanced corrosion resistance
CV3P	3' of 16-3 cord prewired with 3-prong plug for use with prewired cages ⁸					CRT Non-stick protective coating (black)
CF	Charcoal filter ⁹					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 3.3 ft² (0.91m²)
Max weight: 55 lbs (24.9 kg)

Notes

- 1 Not available with SCWA.
- 2 Heavy-duty anodized aluminum shroud painted to match fixture.
- 3 Must specify CWI for use in Canada.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 5 Consult factory for available wattages.
- 6 May be ordered as an accessory. Must specify finish.
- 7 Maximum allowable wattage lamp included.
- 8 Must use mating receptacle, provided by others (N/A 1500M 120V).
- 9 HD option must be ordered.

TV



Intended Use
Ideal for recreational or competitive sports fields, parking areas and industrial yards.

Construction
Housing: Heavy-gauge, hydroformed aluminum ballast housing mounted to integral die-cast monoframe with horizontal degree aiming scale and repositioning locator. Die-cast aluminum socket housing provides vertical aiming adjustment with degree aiming scale and repositioning stop.

Finish: Standard finish is dark bronze polyester powder. Ad-

ditional architectural colors available; see www.lithonia.com/archcolors.

Optics
Heavy-gauge anodized aluminum reflectors provide a range of NEMA beam spreads. Optical chamber sealed to inhibit entrance of contaminants. Hinged lens is heavy-duty, thermal-, shock- and impact-resistant tempered glass.

Electrical
All electrical components are thermally isolated from optical assembly, promoting longer life. All bal-

lasts are 100% factory tested. Constant wattage autotransformer 400W and above. Super CWA Pulse Start ballast, 88% efficient and EISA legislation compliant, is required for 400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation
Mounted by securing integral cross arm mounting bracket directly to cross arm. No additional adaptors are required. A 5/8" 11UNC mounting bolt provided. Exposed bolt length: 1-1/2".

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TV 1000M GP4 TB

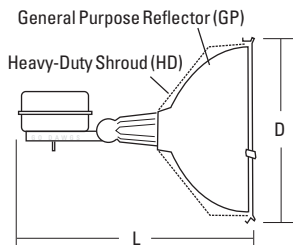
Series	Lamp type	Distribution	Voltage	Ballast	Mounting
TV	High pressure sodium ¹	General purpose	120	Ships installed	Ships separately ^{7,8}
	400S	GP2 ²	208 ⁴	(blank) Magnetic ballast	FRWB Radius wall bracket ⁹
	1000S	GP3 ²	240 ⁴	CWI Constant wattage isolated ⁶	TVTS Tenon slipfitter
	Metal halide	GP4	277	SCWA Super CWA ballast	FSAB Steel angle bracket
	400M	GP5	347	Ships separately ^{6,7}	FCX2 2-Light wood pole crossarm
	1000M	GP6	480 ⁴	HRBW HID remote ballast weatherproof (black)	FCX3 3-Light wood pole crossarm
	1500M¹		TB⁵	HRB HID remote ballast (white)	FCX4 4-Light wood pole crossarm
			23050HZ ⁶		

Options				Finish	
Ships installed		C62 2' 16-3 cord prewired	IBL Internal bottom louver	PE4 NEMA twist-lock PE (480V)	(blank) Dark bronze (std.)
SF Single fuse, 120V, 277V, 347V	CV3P 3' of 16-3 cord prewired with 3-prong plug for use with prewired cages ¹²	CV3P	CSA Meets Canadian standards	PE7 NEMA twist-lock PE (277V)	DBL Black
DF Double fuse, 208V, 240V, 480V	CF Charcoal filter ¹³	CF	NOM Meets Mexican standards (consult factory)	SC Shorting cap	DMB Medium bronze
QRS Quartz restrrike system ¹⁰	SLR Stainless steel lens ring	SLR	INTL Available for MH probe start shipping outside the U.S.	UV Upper visor ⁸	DNA Natural aluminum
PER NEMA twist-lock receptacle only ¹¹	WC Mounting bolt for wooden crossarm	WC	Ships separately ⁷		DWH White
C22 2' 12-3 cord prewired	LS Lamp support	LS	PE1 NEMA twist-lock PE (120, 208, 240V)		CR Enhanced corrosion resistance
C42 2' 14-3 cord prewired	AH Above horizontal aiming	AH	PE3 NEMA twist-lock PE (347V)		CRT Non-stick protective coating (black)

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	NEMA 2, 3	NEMA 4, 5, 6
EPA:	2.9 ft ² (0.27m ²)	2.5 ft ² (0.23 m ²)
Diameter:	23-1/8 (58.7)	21-1/2 (54.6)
Length:	30 (76.2)	31-1/2 (80.0)
Weight:	53 lbs (24.0 kg)	53 lbs (24.0 kg)

Notes

- 1 Not available with SCWA.
- 2 Not available with 1000S.
- 3 Heavy-duty anodized aluminum shroud painted to match fixture.
- 4 Must specify CWI for use in Canada.
- 5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 6 Consult factory for available wattages.
- 7 May be ordered as an accessory.
- 8 Must specify finish.
- 9 For use with slipfitter.
- 10 Maximum allowable wattage lamp included.
- 11 Photocell not included. Not available 1500M.
- 12 Must use mating receptacle, provided by others (n/a 1500M 120V).
- 13 HD option must be ordered.

PRODUCT INFORMATION

FLOODLIGHTS



Intended Use
Floodlight for commercial or residential signs, entry monuments or facades. HID, quartz, and compact fluorescent sources.

Construction
Rugged, die-cast aluminum housing is ribbed for maximum heat dissipation. Die-cast aluminum doorframes. F500QL lens attaches with clips. FP is polycarbonate. Finish is dark

Optics
Anodized aluminum reflectors with high efficiency and wide beam spread. F150MSL features a spot distribution.

Electrical
120 volt reactor, normal power factor for 50-150 HPS and 70-100MH. Quad tap, high reactance, high power factor for 150M. Medium base socket.

Quad tap, super CWA for 250M and 400M. Mogul-base socket.

120V for 13W (for CFL) or 500W (for quartz). Lamps included. 13W compact fluorescent lamp is a twin-tube.

Double-ended 1500W voltage determined by lamp (not included).

Installation
Floodlights feature adjustable mounting knuckle with 1/2" NPS threaded stem. Mounts to standard outlet boxes. Medium floods (250M and 400M) are yoke mount.

Listings
Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. 25°C maximum ambient temperature. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.

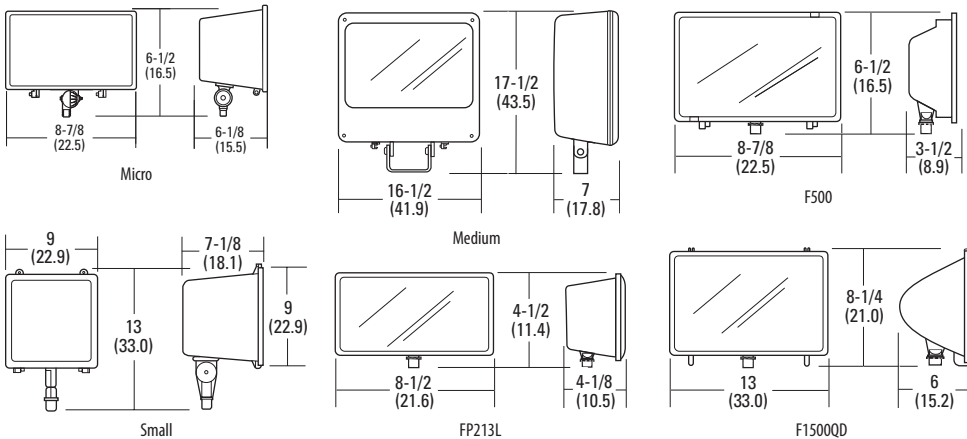


ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP TYPE	VOLTAGE	FINISH	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QTY.
F50SL 120 M6	Micro floodlight	50S	HPS	120	Dark bronze	Y	7	6
F70SL 120 M6	Micro floodlight	70S	HPS	120	Dark bronze	Y	7	6
F100SL 120 M6	Micro floodlight	100S	HPS	120	Dark bronze	Y	7	6
F150SL 120 M6	Micro floodlight	150S	HPS	120	Dark bronze	Y	7	6
F70ML 120 M6	Micro floodlight	70M	MH	120	Dark bronze	Y	7	6
F100ML 120 M6	Micro floodlight	100M	MH	120	Dark bronze	Y	7	6
F150ML M4	Small floodlight	150M	MH	120/208/240/277	Dark bronze	Y	14	4
F150MSL M4	Spot, small floodlight	150M	MH	120/208/240/277	Dark bronze	Y	14	4
F250ML SCWA	Medium floodlight	250M	MH	120/208/240/277	Dark bronze	Y	29	1
F400ML SCWA	Medium floodlight	400M	MH	120/208/240/277	Dark bronze	Y	29	1
F13L 120 M12	Cast-glass floodlight	13	CFL	120	Dark bronze	Y	6	12
F213L 120 M12	Cast-glass floodlight	13	CFL	120	Dark bronze	Y	6	12
FP213L 120 M12	Polycarbonate floodlight	13	CFL	120	Dark bronze	Y	2	12
F500QL 120 M12	Cast-glass floodlight	500Q	Quartz	120	Dark bronze	Y	3	12
F500QLD 120 M12	Cast-glass floodlight	500Q	Quartz	120	Dark bronze	Y	3	12
F1500QD M6	Cast-glass floodlight	1500Q	Quartz	--	Dark bronze	N	6	6

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



WORKLIGHTS

Intended Use

Temporary work light for residential or commercial applications. Portable unit uses one 500W quartz lamp; tripod unit uses two 500W quartz lamps. Lamp(s) included.

Construction

Rugged, die-cast aluminum housing is ribbed for maximum heat dissipation. Die-cast aluminum door-frame. Tempered glass lens. Yellow finish.

Installation

Protective wire guard. Adjustable stand for tripod configuration. 5' cord set with grounded plug for portable unit; 7' for tripod unit. Padded, insulated handlebar.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations.



CONTRACTOR
SELECT

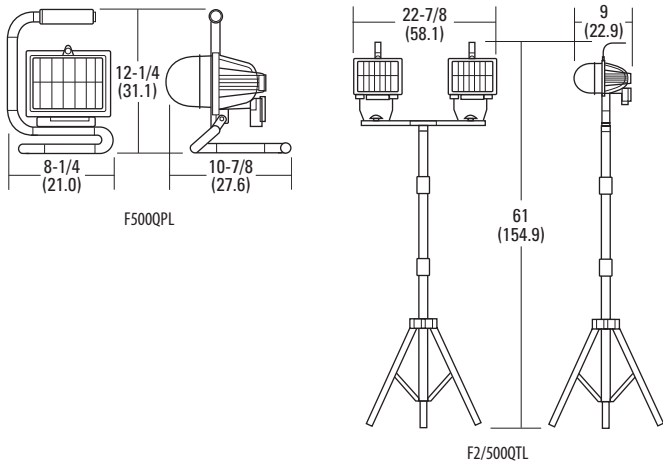
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP TYPE	VOLTAGE	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QUANTITY
F500QPL M6	Portable worklight	500	Quartz	120	Y	4	6
F2/500QTL M2	Tripod stand worklight	500	Quartz	120	Y	11	2

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

LANDSCAPE FLOODLIGHTING



Intended Use
Ideal for commercial or residential landscape, sign or facade applications.

Construction
Rugged, die-cast aluminum housing. Landscape post is constructed of heavy-wall extruded aluminum.

Electrical
Fixtures are 120V incandescent only. Lamp is not included.

Installation
Adjustable mounting knuckle with 1/2" NPS

threaded stem. Mounting post provides a stable platform for ease of installation.

Listings
Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.

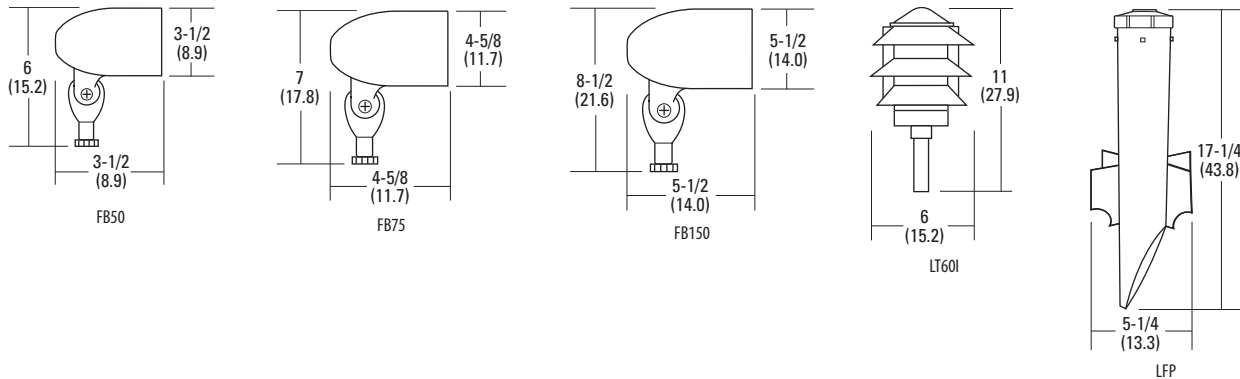
CONTRACTOR
SELECT

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP TYPE	VOLTAGE	FINISH	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QTY.
FB50I M12	PAR20 bullet flood	50	Incandescent	120	Black	N	1	12
FB50IG M12	PAR20 bullet flood	50	Incandescent	120	Green	N	1	12
FB50IW M12	PAR20 bullet flood	50	Incandescent	120	White	N	1	12
FB75I M12	PAR30 bullet flood	75	Incandescent	120	Black	N	1	12
FB75IG M12	PAR30 bullet flood	75	Incandescent	120	Green	N	1	12
FB75IW M12	PAR30 bullet flood	75	Incandescent	120	White	N	1	12
FB150I M12	PAR38 bullet flood	150	Incandescent	120	Black	N	2	12
FB150IG M12	PAR38 bullet flood	150	Incandescent	120	Green	N	2	12
FB150IW M12	PAR38 bullet flood	150	Incandescent	120	White	N	2	12
LT60I M12	Tiered pagoda	60	Incandescent	120	Black	N	1	12
LT60IG M12	Tiered pagoda	60	Incandescent	120	Green	N	1	12
LT60IW M12	Tiered pagoda	60	Incandescent	120	White	N	1	12
LFP M6	Landscape post	--	--	--	Black	--	2	6
LFPG M6	Landscape post	--	--	--	Green	--	2	6
LFPW M6	Landscape post	--	--	--	White	--	2	6

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

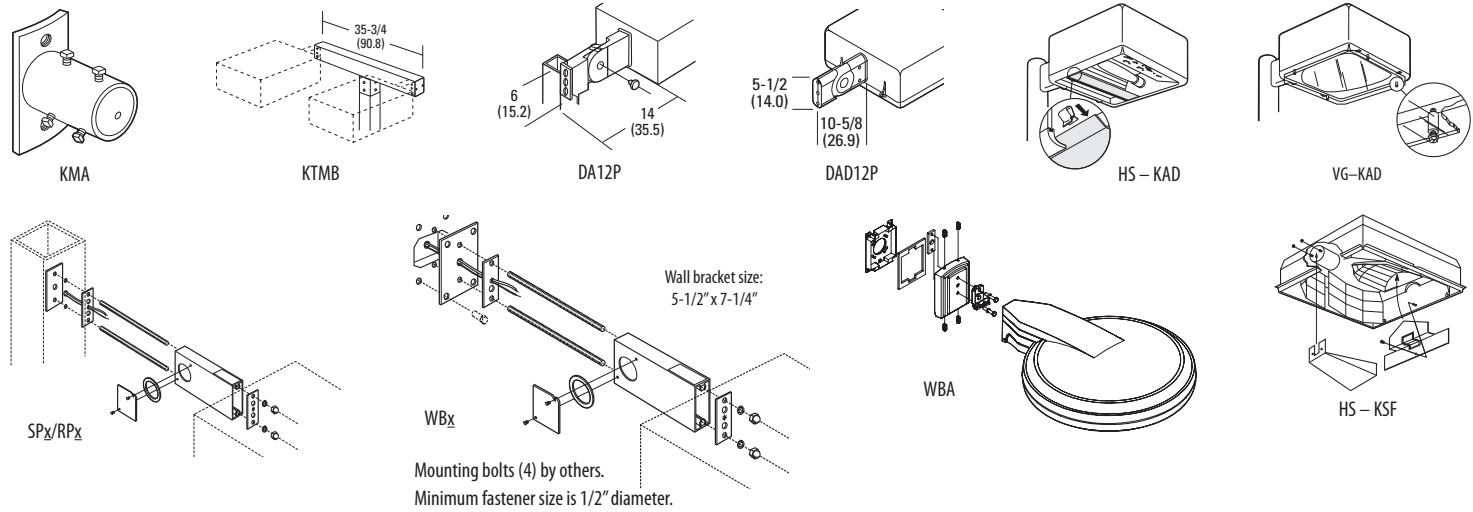


AREA LIGHTING

OPTIONS & ACCESSORIES

- = Available as an option, shipped included
- = Available as an accessory, shipped separately

NOMENCLATURE	DESCRIPTION	AS	KSE	KSF	KAD	KAC	KVE	KVR	KVS	KAR	KVF	MR	MRP
DA12P	Degree mounting arm. 30° max. up tilt in 5° increments. Single or twin 180° config. for KVS.		□	□					□				
DA12WB	Degree arm for wall. 30° max. up tilt in 5° increments. Single or twin 180° config. for KVS.		□	□					□				
DAD12P	Degree mounting arm. 30° max. up tilt, 5° increments.				□	□							
DAD12WB	Degree arm for wall. 30° max. up tilt, 5° increments.				□	□							
EHS	External house-side shield.							□			□		
HS	House-side shield (consult factory). (Ships separate for KVE R2, R3).	■	□	□	□		■		■	■		■	■
KMA	Mast arm mounting for area lighting, 6" min. arm length. Use for 2-3/8" OD pipe.	□	□	□	□	□	□	□	□	□	□		
KTMB	Twin mounting bar square mounting arms. (EPA=1.1, wt.=41lbs) Mounts on T25 (2-7/8" OD tenon by 5" tall minimum).		□	□	□	□		□	□	□	□		
MA	Master arm for single/twin 180° configuration, internal fitter (Size 3 only).								■				
PT4	Post-top (4" OD open-top pole).						■	■			■		■
PT45	Post-top (4-1/2" OD open-top pole).						■	■			■		■
PT5	Post-top (5" OD open-top pole).						■	■			■		■
PT6	Post-top. Must use with round pole only for KVR (6" OD open-top pole).						■	■ ²			■ ²		■
RPx	Round pole mounting arm. (14" arm ships separate).	■	■	■	■	■	■	■	□	□	■	■	
RPF20	Round pole fitter (2-3/8" OD tenon).						□	□			□ ²		
RPF25	Round pole fitter (2-7/8" OD tenon).						□	□			□ ²		
MRPF3	4" to 3" O.D. round open-top pole fitter.												□
MRPF5	4" to 5" O.D. round open-top pole fitter.												□
MRPT20	MRP round pole fitter (2-3/8" tenon).												□
MRPT25	MRP round pole fitter (2-7/8" tenon).												□
MRPT30	MRP round pole fitter (3-1/2" tenon).												□
MRPT35	MRP round pole fitter (4" tenon).												□
SPx	Square pole mounting arm. (14" arm ships separate).	■	■	■	■	■	■	■	□	□	■	■	
SPF20	Square pole fitter (2-3/8" OD tenon).						□	□ ²			□		
SPF25	Square pole fitter (2-7/8" OD tenon).						□	□ ²			□		
VG ³	Vandal guard.	■	□	□	□	□ ³	□	□ ⁴	□	□	□	■	■
WBx	Wall mount for J-box. (Aeris™ only order WBA.) (14" ships separate).	■	■	■	■	■	■	■	□	□	■	■	
WWx	Wall for conduit stub. (14" ships separate).		■	■	■	■	■	■	□	□	■		
DC_	Deco curved arm.	□										□	

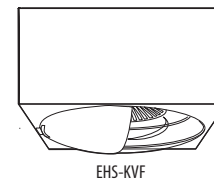
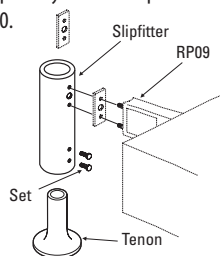


Tenon Slipfitters for Arm-Mounted Luminaires

Use with all arm-mounted luminaires. When ordered, fixture must include round pole arm (RPx) or pole degree aiming arm (DA12P or DAD12P). To order, locate catalog number from chart below based on tenon size and mounting configuration. Example: For 3 fixtures at 120°, using a 2-7/8" tenon, catalog number is T25-320. Shipped separately. Order as separate catalog numbers. For Aeris™ and OMERO™ fixture specify with prefix AS. Example: AS T20-190.

Tenon OD	1 fixture	2 fixtures at 180°	2 fixtures at 90°	3 fixtures at 120°	3 fixtures at 190°	4 fixtures at 90°
2-3/8"	T20-190	T20-280	T20-290*	T20-320*	T20-390*	T20-490*
2-7/8"	T25-190	T25-280	T25-290*	T25-320*	T25-390*	T25-490*
4"	T35-190	T35-280	T35-290*	T35-320	T35-390*	T35-490*

* See product page for size restrictions.



Notes

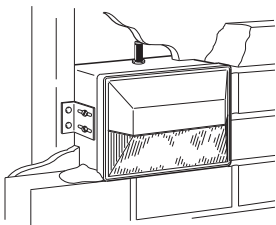
- 1 Size one housing only.
- 2 Size two housing only.
- 3 Only available with FP option.
- 4 Only available in KVS1 (R2, R3 and R4).
- 5 Specify family as prefix when ordering as a separate line item. For arm and/or bracket lengths, see product specification sheet or specific product page in this catalog.

LITHONIA OUTDOOR

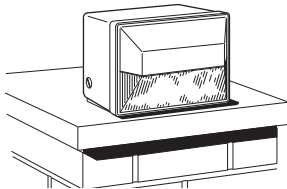
BOLLARDS & WALL MOUNTED LIGHTING

NOMENCLATURE	DESCRIPTION	ASB	ASW	KBA	KBC	KBD	KBE	KBR	KBS	KL	MRW	MRBX	TWH	TWP	TWA/ TWAC	TWR	TWRC	TWS	WFL	WSR/ WST/ WSQ	
BBF	Backbox for flat surfaces.									■											
BBR	Backbox, recessed (ceiling, soffit mount).									■											
BBW ¹	Backbox for surface wall installation.		□							■	□									□	□
FS	Full shield for IES cutoff.												■	■							
FCV	Full cutoff visor.																□				
PC	Polycarbonate lens.									□					□	□			□		
R6S/R8S	Half-shield, not for use with louvered bollards.			□	□	□		□				□									
S6S/S8S	Half-shield, not for use with louvered bollards.	□							□												
WG ¹	Wireguard.		□								□		□	□	□	□	□	□	□	□	□
VG ¹	Vandal guard.		□								□		□	□						□	□
UT5	Uptilt 5 degrees.																				□
DFL	Diffusing lens.										■										■
WLU	Wet location door for up orientation.										■										■
IBS	Internal backlight shield.										■										■
LC90	Lock at 90° for full cutoff.																			■	
UCS	Uplight component shield for WSR, inverted orientation with FTU or WTU distribution.																				■
HS	House-side shield for SR2,SR3 or SR4W (size 2).		■																		

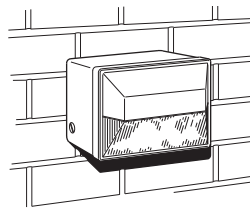
■ = Available as an option, shipped included
 □ = Available as an accessory, shipped separately



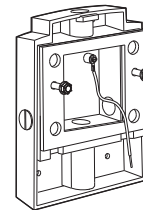
KL (Standard)



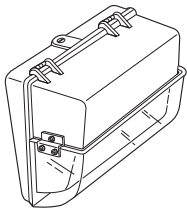
KLBBF



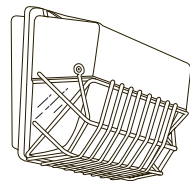
KLBBW



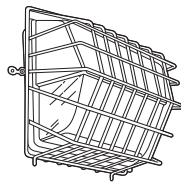
ASWxBBW



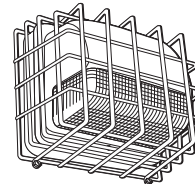
TWHVG



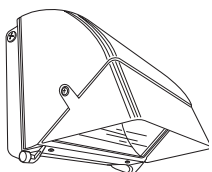
TWHWG



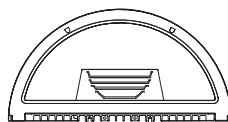
TWPWG



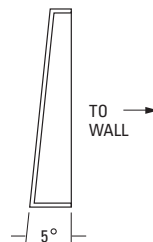
TAWWG



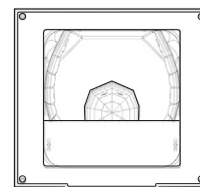
TWRFCV



UT5



5°

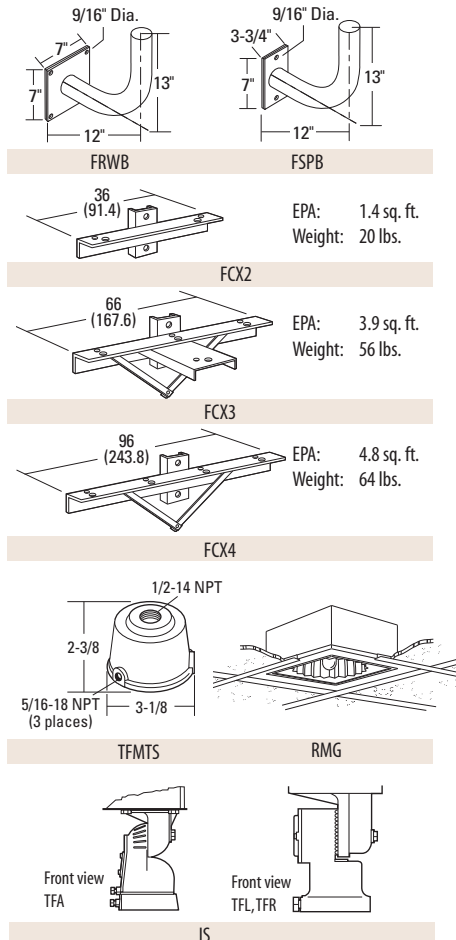
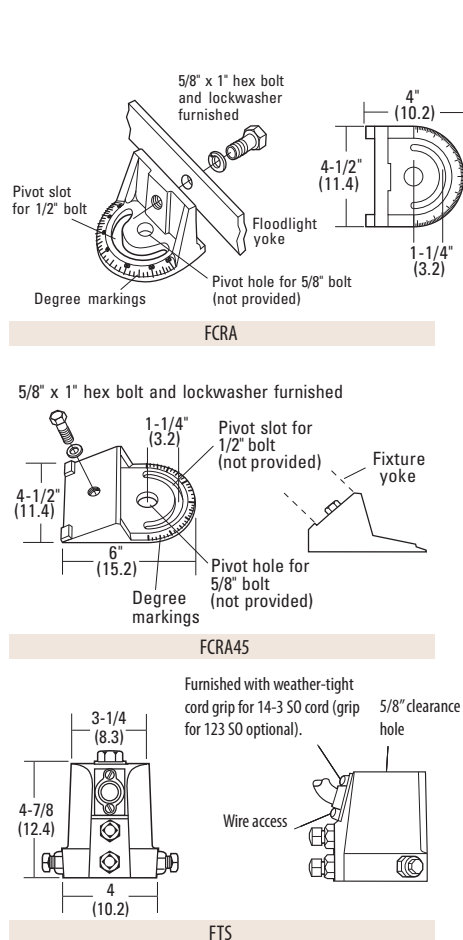


ASWHS

Notes
 1 Specify family prefix.

NOM.	DESCRIPTION	GARAGE			SPORTS		FLOODLIGHTING									
		PGR	KPS	KACM	TSP	TV	ASF	KFL	55	95	170S	TFA	TFR	TFL	TFM	
HS	House-side shield (glare shield).	■														
BDS	Bird-deterrent shroud.	□														
OJB	Offset junction box.	□														
RMG	Recessed mount in grid ceiling.		■													
SS	Stainless steel, ceiling-mount housing (alloy 304 stainless steel).		■													
AH	Above horizontal aiming.					■										
CF	Charcoal filter; must use with heavy-duty shroud.				■	■										
FCRA ¹	Crossarm adapter for horizontal mounting (use with yoke mount only).				□		□	□			□	□	□	□	□	□
FCRA45 ¹	Crossarm adapter for horizontal mounting 45° (use with yoke mount only).				■		□	□			□	□	□	□	□	□
SLR	Stainless steel lens rings.				■	■										
IBL	Internal bottom louver; cannot order IBL and TVUV together.					■										
FRWB ¹	Radius wall bracket; 2-3/8 diameter (use with slipfitter mount only).				□	□	□	□	□	□	□	□	□	□	□	□
FSAB ¹	Steel angle bracket (use with yoke mount only).				□		□	□	□	□	□	□	□	□	□	□
FSPB ¹	Steel square pole bracket (for use with existing poles). 2-3/8" diameter (use with slipfitter mount only).				□	□	□	□	□	□	□	□	□	□	□	□
FPMB ¹	Pipe/wood/pole/wall mounting bracket. Mounts to 2" schedule 40 pipe (use with yoke mount only).				□	□	□	□	□	□	□	□	□	□	□	□
FWPB ¹	Wall bracket (pipe) (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
FTS ¹	Tenon slipfitter; fits 2-3/8" to 2-7/8" OD tenon (use with yoke mount only).				□		□	□	□	□	□	□	□	□	□	□
TVTS ¹	Tenon slipfitter; fits 2-3/8" to 2-7/8" OD tenon.				□	□										
TFMTS ¹	Tenon slipfitter for 1/2" threaded knuckle; fits 1-1/4" to 2-3/8" OD tenon. For ground mount only.									□						□
TVUV	Upper visor; cannot be used with IBL.					□										
FCX2 ¹	2-light wood pole crossarm (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
FCX3 ¹	3-light wood pole crossarm (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
FCX4 ¹	4-light wood pole crossarm (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
YK	Yoke mount, painted.	■	■	■			■	■	■	■	■	■	■	■	■	■
EY	Extended yoke.													■	■	
THK	Threaded knuckle mount. (Size 1 only for ASF).								■	■						
IS	Integral slipfitter; fits 2-7/8" max. OD with TFA, 2-3/8" with TFL and TFR.												■	■	■	

■ = Available as an option, shipped included
 □ = Available as an accessory, shipped separately



Notes

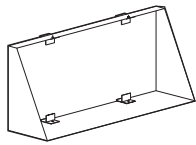
- Order as separate catalog number. Must specify finish.
- Ships standard with TSP. Order as separate catalog number for other families.

PRODUCT INFORMATION

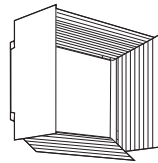
FLOODLIGHTING

NOMENCLATURE	DESCRIPTION	ASF	KFL/WFL	55	95	170S	TFA	TFR	TFL	TFM
BD ²	Barn doors	<input type="checkbox"/>	<input type="checkbox"/>							
BV ²	Bottom visor		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			
BVG ²	Bubble vandal guard	<input type="checkbox"/>	<input type="checkbox"/>							
CV ²	Concentric visor				<input type="checkbox"/>					
EV ²	Eggcrate visor (black finish)	<input type="checkbox"/>	<input type="checkbox"/>							
FV ²	Full visor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FV/BVG ²	Full visor and bubble vandal guard	<input type="checkbox"/>								
GS ²	Glare shield (upper or bottom visor)	<input type="checkbox"/>								
GV ²	Glare visor			<input type="checkbox"/>	<input type="checkbox"/>					
HLV ²	Horizontal louver (black finish)		<input type="checkbox"/>							
VG ^{1,2}	Vandal guard						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UV ²	Upper visor		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UV/BVG ²	Upper visor and bubble vandal guard		<input type="checkbox"/>							
VLV ²	Vertical louver (black finish)		<input type="checkbox"/>							
WG ²	Wire guard		<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

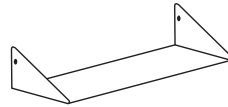
= Available as an accessory, shipped separately



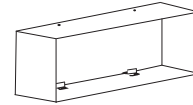
BV – Bottom visor (KFL)



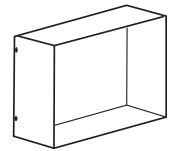
BD – Barn doors (KFL and ASF)



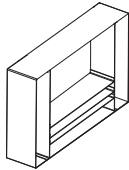
BV – Bottom visor (55/95)



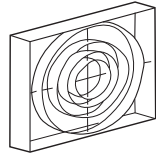
FV – Full visor (KFL and ASF)



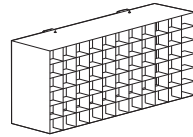
FV – Full visor (55/95)



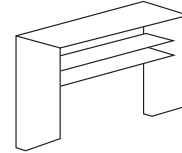
HLV – Horizontal louver (KFL)



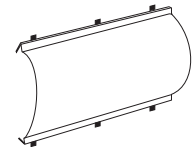
CV – Concentric visor (95)



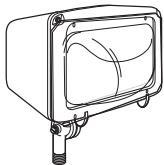
EV – Eggcrate visor (KFL and ASF)



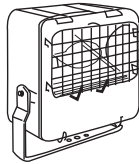
GV – Glare visor (55/95)



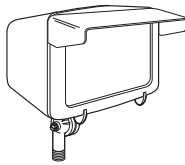
BVG – Vandal guard (KFL and ASF)



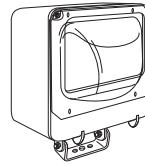
TFMVG/TFRVG



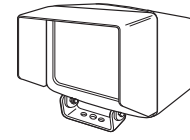
TFAWG



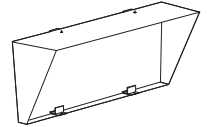
TFMUV/TFRUV



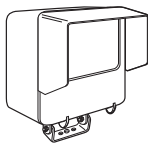
TFLVG



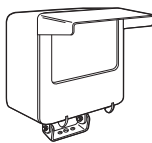
TFMFV/TFRFV



UV – Upper visor (KFL)



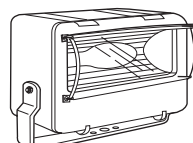
TFLFV



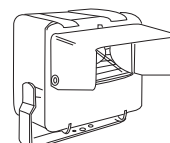
TFLUV



TFAUV



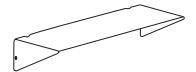
TFAVG



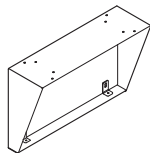
TFAFV



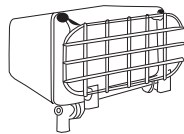
TFLWG



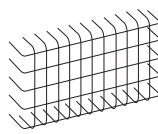
UV – Upper visor (55/95)



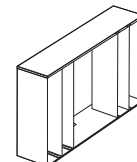
ASFGS



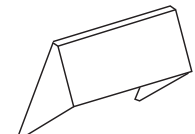
TFMWG/TFRWG



WG – Wireguard (KFL)



VLV – Vertical louver (KFL)



UV – Upper visor (170)

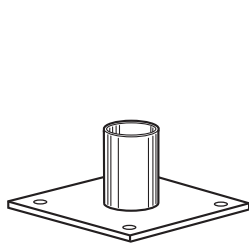
Notes

- 1 Vandal guards are compatible with all wattages.
- 2 Specify family as prefix.

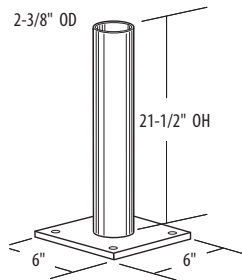
FLOODLIGHTING

NOMENCLATURE	DESCRIPTION	ASF1	ASF2	KFL	55	95	170S	TFA	TFR	TFL	TFM
AJB	Architectural J-box, accepts 1/2" NPT THK.			☐							
AFJB	Architectural J-box, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
EWB	Extended wall bracket, yoke mount only.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
AFTMB	Twin mounting bar. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐				☐	☐	☐	
AFTMBTHK	Twin mounting bar, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
KFLMBTHK	Twin mounting bar for THK option. Only compatible with KFLTHK (1/2" NPT).			☐							
AFSTM	Stanchion mount. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²
AFSTMTHK	Stanchion mount, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
KFLSTMTHK	Stanchion mount, accepts 1/2" NPT THK			☐							
AFTM	Tenon-base mount. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²
AFWMA	Wall-mount arm. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²
AFWMATHK	Wall-mount arm, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
KFLWMATHK	Wall-mount arm, accepts 1/2" NPT THK			☐							
AFWMPTHK	Wall-mount plate, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
TS	Tenon slipfitter. Fits 2-3/8" OD tenon (use with 2-1/2" wide yoke only).				☐	☐	☐				
AFTS	Tenon slipfitter, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
STM	Stanchion mount – general purpose (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²

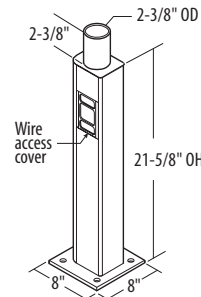
☐ = Available as an accessory, shipped separately. Must specify finish.



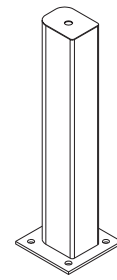
AFTM – Tenon base mount



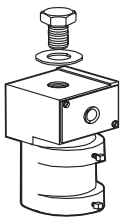
STM – Stanchion mount, general purpose



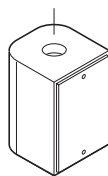
AFSTM – Stanchion mount for tenon slipfitter mounting



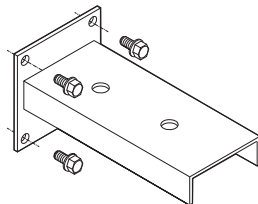
AFSTMTHK and KFLSTMTHK – Stanchion mount for threaded knuckle



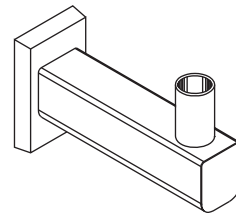
TS – Tenon Slipfilter



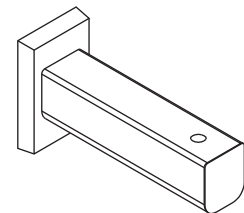
AFJB and AJB – Architectural junction box



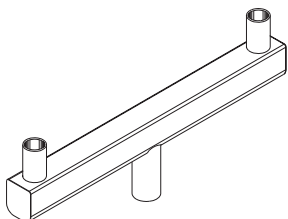
EWB – Extended wall bracket



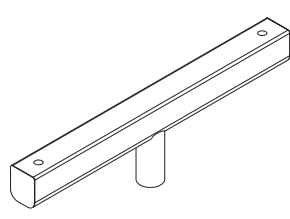
AFWMA – Wall mount for tenon slipfitter mounting



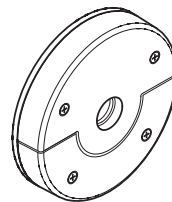
AFWMATHK and KFLWMATHK – Wall-mount arm for threaded knuckle



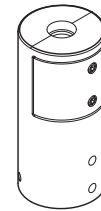
AFTMB – Twin mounting bar for tenon slipfitter mounting



AFTMBTHK and KFLMBTHK – Twin mounting bar for threaded knuckle



AFWMPTHK – Wall mounting plate for 3/4" NPT threaded knuckle

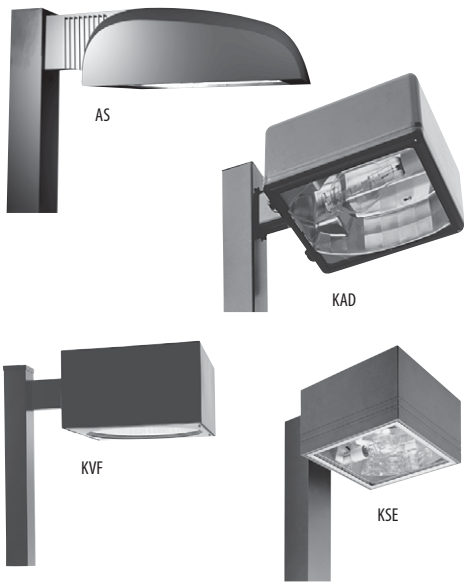


AFTS – Tenon slipfitter for 3/4" NPT threaded knuckle

Notes

- When used with TFM yoke a 3/8" bolt, two lockwashers and nuts must be furnished by others.
- For use with TFMTS.

AREA LIGHTING



Lithonia Lighting is a leader in providing a variety of outdoor luminaires devoted to energy and environmental concerns. Many communities are interested in maintaining nighttime visibility, safety and security while preserving the night sky. Quality outdoor lighting considers the visual needs of the application while reducing glare and light trespass onto neighboring properties, therefore minimizing sky glow and overall

energy usage. Listed below are several Lithonia Lighting product families that include a wide range of cutoff and full-cutoff luminaires that produce quality lighting and minimize night sky glow.

The Illuminating Engineering Society of North America (IESNA, or IES) provides classifications for luminaires according to their glare control and high-angle brightness. These classifications, along

with their benefits and limitations, are described in the Technical and Design Considerations section on page 776.

Acuity Brands Lighting uses Nighttime Friendly™ to identify products that reduce negative impacts on the nighttime environment. Products designated with the Nighttime Friendly logo have no uplight, meet the IESNA definition for full cutoff

optics and reduce high angle brightness. These measures of luminaire performance are consistent with sustainability standards for light pollution reduction.

For applications where there is a concern with light trespass on neighboring properties, consider products that limit light behind the pole, such as the Type 4 sharp cutoff optical system or house-side shielding.



Nighttime Friendly designates products with superior optical control that are consistent with the goals of USGBC LEED® and meet Green Globes™ product criteria for light pollution reduction. These products are full cutoff and no more than 10% of the lumens from the luminaire are emitted above 80 degrees from nadir.

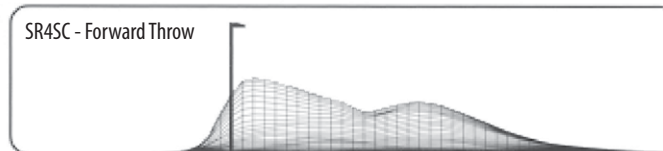
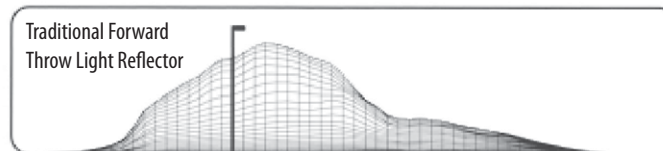
LUMINAIRE	MEETS NIGHTTIME FRIENDLY™ CRITERIA	FULL CUTOFF	PSG PAGE	COMMENTS	TRESPASS SOLUTIONS: SHARP CUTOFF OPTICAL SYSTEM
AS	✓ ¹	✓	520	Aeris™ die-cast housing, dedicated optical platform, 2 housing sizes, flat lens, 400W max.	SR4SC
AST	✓ ¹	✓	520	Aeris™ die-cast housing, dedicated optical platform, aesthetically pleasing tension rod assembly, 2 housing sizes, flat lens, 400W max.	SR4SC
KAD	✓	✓	534	Square die-cast housing, flat lens, 400W max.	SR4SC
KADT	✓	✓	534	Square die-cast housing, aesthetically pleasing tension rod assembly, flat lens, 400W max.	SR4SC
KSF	✓	✓	524	Rectangular housing, 3 housing sizes, flat lens, 1000W max.	R4SC
KSE	✓	✓	526	Crisp square housing, 2 housing sizes, flat lens, 400W max.	R4SC
KVF	✓ ²	✓	528	Square vertical lamp, flat lens, 1000W max.	SR4SC
KAR	✓ ¹	✓	531	Round housing, 3 housing sizes, flat lens, 1000W max.	
MR	✓ ¹	✓	521	MR die-cast housing, dedicated optical platform, 2 housing sizes, flat lens, 400W max.	SR4SC
MRT	✓ ¹	✓	521	MRT die-cast housing, dedicated optical platform, aesthetically pleasing tension rod assembly, 2 housing sizes, flat lens, 400W max.	SR4SC

Sharp Cutoff & Light Trespass

Spill light or light trespass is the light that illuminates surfaces beyond the property line. An example is the light on a bedroom wall coming through the window from the ball field across the street. A number of ordinances place limits on spill light near the

property line as the sole means of controlling light trespass. The most effective way to minimize spill light from a location is to apply forward throw optics around the perimeter. Lithonia Lighting's optic is designed specifically for this application.

For more information on sharp cutoff, visit www.lithonia.com/CutoffLighting/AreaLuminaires.htm.



Notes

- 1 May not meet Nighttime Friendly™ standards with HS option.
- 2 Will not meet Nighttime Friendly™ standards with DL or EHS options.

Lithonia Lighting has a diverse selection of wall mounted luminaires to complement our various Nighttime Friendly™ area luminaires. Listed below are several product families that include a wide range of cutoff and full-cutoff luminaires that produce quality lighting and minimize night sky glow.

WALL MOUNTED LIGHTING



LUMINAIRE	MEETS NIGHTTIME FRIENDLY™ CRITERIA	FULL CUTOFF	CUTOFF	PSG PAGE	COMMENTS
ASW	✓ ²	✓		542	Aeris™ die-cast housing, architectural style, 2 housing sizes, 400W max.
WSR ¹ , WST, WSQ	✓ ³	✓		544	Decorative die-cast housing, 175W max.
WFL	✓ ²	✓		546	Architectural style, 2 housing sizes, 400W max., can be ordered with LC90 option to prevent field adjustment.
TWAC			✓	552	Vandal-resistant, polycarbonate lens, 100W max.
TWRC			✓	554	General purpose, die-cast aluminum and tempered glass, 400W max., optional full cutoff visor (FCV)
TWR1S	✓	✓		554	General purpose, die-cast aluminum and tempered glass, 175W max.
MRW	✓ ²	✓		543	Omero™ die-cast housing, architectural style, 175W max.

Design Recommendations From Industry Associations

Lithonia Lighting is a member of, and participates in the activities of all the associations below.

IESNA

The Illuminating Engineering Society of North America provides a variety of reference material on effective outdoor lighting design. Both the IESNA Lighting Handbook, 9th edition, and Recommended Practice No. 33 (RP-33-99), Lighting for Exterior Environments, offer discussions on design practices and suggested spill light limitations.

NEMA

The Luminaire Section of the National Electrical Manufacturers Association published a document entitled "White Paper on Outdoor Lighting Code Issues". This paper highlights the pros and cons of methods to control light trespass.

The NEMA Statement of Principles on Outdoor Lighting Codes also provides general guidance in the establishment of local lighting ordinances.

IDA

The International Dark-Sky Association is a grass-roots organization that promotes quality outdoor lighting practices. Of particular interest to IDA is the reduction of sky glow. Their guidelines are of significant benefit for lighting installations near astronomical observatories or intrinsically dark areas such as national parks.

Notes

- 1 WSR is downlight only.
- 2 May depend on optical selection. Consult factory.
- 3 Does not meet Nighttime Friendly™ standards with uplight distribution options.

FLOODLIGHTING

IES Beamspread Classifications

for general-purpose floodlighting

The IES beam spreads indicate the angular ranges (horizontally and vertically) through which the intensity of the floodlight is greater than 10% of its maximum intensity. This angular range is referred to as the 'Field Angle'.

For example:

Asymmetrical beam spread
 138° (H) x 119° (V)
 Horizontal Vertical
 = IES 7 x 6

FIELD ANGLE DEGREES	IES TYPE	BEAM DESCRIPTION
10° up to 18°	1	Very narrow
18° up to 29°	2	Narrow
29° up to 46°	3	Medium narrow
46° up to 70°	4	Medium
70° up to 100°	5	Medium wide
100° up to 130°	6	Wide
130° and up	7	Very wide

The IES classification was formerly referred to as NEMA Type.

The following outdoor design tips provide general guidelines for lighting design. These guidelines may not apply to all applications.

Facade Lighting

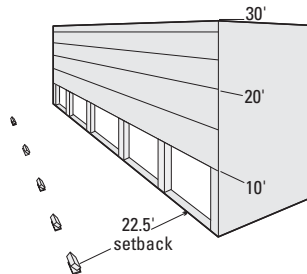
When lighting building facades with ground-mounted floodlights, there are three considerations:

1. Setback
2. Spacing
3. Aiming

1. Setback

The recommended setback is three-fourths the building height. If a building is 30 feet tall, the recommended setback is 22.5 feet from the building. Locating the floodlight closer to the building will sacrifice uniformity; setting it farther back will result in a loss of efficiency.

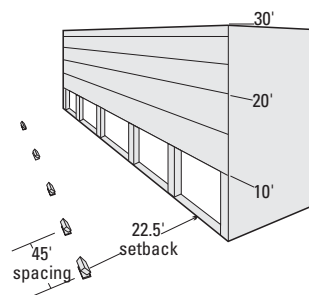
Setback distance = 3/4 x building height
 3/4 (30 ft.) = 22.5 ft.



2. Spacing

The rule of thumb for spacing floodlights is not to exceed two times the setback distance. If the setback is 22.5 feet, the floodlights should not be placed more than 45 feet apart.

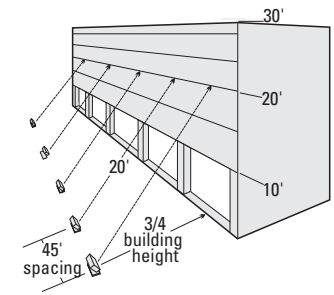
Spacing = 2 x setback distance
 2 x 22.5 ft. = 45 ft. apart



3. Aiming

The floodlight should be aimed at least two-thirds the height of the building. For example, if a building is 30 feet high, the recommended aiming point is approximately 20 feet high. After installation is complete, aiming can be adjusted to produce the best appearance. Mounting a full or upper visor to the floodlight can reduce unwanted spill light.

Aiming point = 2/3 x building height
 2/3 (30 ft.) = 20 ft. high



Sign Lighting

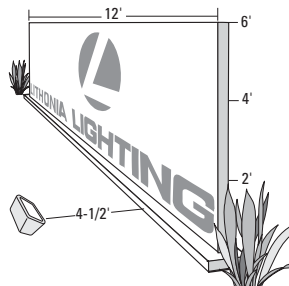
When lighting a sign with ground-mounted floodlights, there are three considerations:

1. Setback
2. Spacing
3. Aiming

1. Setback

When using ground-mounted floodlights to light a sign, the recommended setback is a distance equal to three-fourths the sign height. For example, the setback distance for a 12-foot by 6-foot sign would be 4.5 feet. Locating the floodlight closer will sacrifice uniformity while setting it farther back will result in a loss of efficiency.

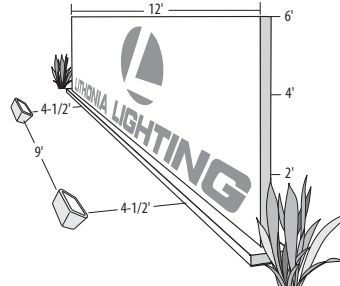
Setback distance = 3/4 x sign height
 3/4 (6 ft.) = 4.5 ft.



2. Spacing

The rule of thumb for spacing floodlights is not to exceed two times the setback distance. If the setback is 4.5 feet, the floodlights should not be placed more than 9 feet apart.

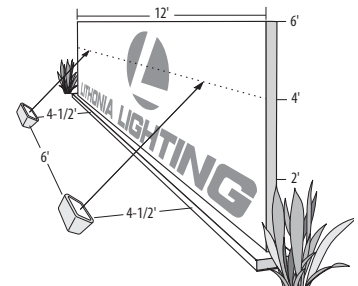
Spacing = 2 x setback distance
 4.5 ft. x 2 = 9 ft. apart



3. Aiming

The floodlight should be aimed at least two-thirds up the sign. For example, if a sign is 6 feet tall, then the floodlight will be aimed approximately 4 feet high. After installation is completed, aiming can be adjusted to produce the best appearance. Mounting a full or upper visor to the floodlight can reduce unwanted glare.

Aiming point = 2/3 x sign height
 2/3 (6 ft.) = 4 ft. high



FLOODLIGHTING

Flag Lighting

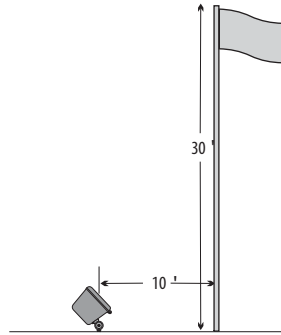
When using ground-mounted floodlights to light flags there are three considerations:

1. Setback
2. Spacing
3. Aiming

1. Setback

The recommended setback for lighting a flag is one-third times the pole height. If the pole is 30 feet tall, the floodlight should be set back a distance of 10 feet away from the pole.

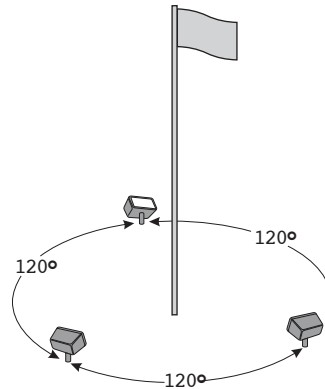
Setback distance = $1/3 \times$ pole height
 $1/3 (30 \text{ ft.}) = 10 \text{ ft.}$



2. Spacing

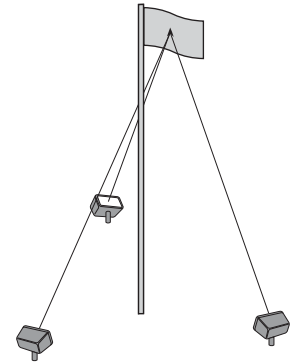
Ideally, three floodlights are recommended to light a flag. The floodlights should be placed approximately 120° apart.

3 floodlights spaced 120° apart



3. Aiming

The recommended aiming point for each floodlight is the center of the flag or the top of the pole. *Mounting a full or upper visor to the floodlight can reduce unwanted spill light.*



Pole Mounted Floodlights

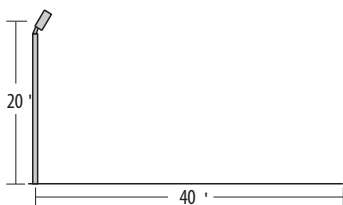
Pole-mounted floodlights are commonly used for general area lighting applications such as parking lots and storage yards. When using pole-mounted floodlights, there are four considerations:

1. Mounting height
2. Spacing
3. Vertical aiming
4. Horizontal aiming

1. Mounting Height

The recommended mounting height is one half the distance across the area to be lighted. If the area to be lighted is 40 feet across, the lowest recommended mounting height is 20 feet.

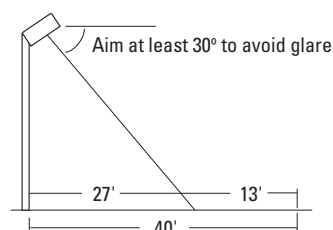
Mounting height = $1/2$ distance to be lighted
 $1/2 (40 \text{ ft.}) = 20 \text{ ft.}$



2. Spacing

When more than one pole is added, pole placement is a concern. The "4 times" rule of thumb for spacing indicates that a pole should be placed four times the mounting height from the adjacent poles. If a flood is mounted on a 20-foot pole, space the poles 80 feet apart.

Pole spacing = $4 \times$ mounting height
 $4 (20 \text{ ft. pole}) = 80 \text{ feet between poles}$



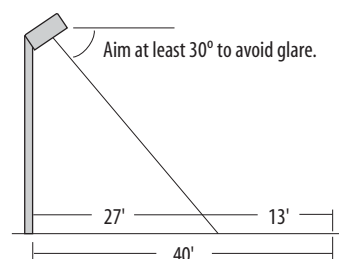
3. Vertical Aiming

A single floodlight uses the two-thirds rule of thumb for vertical aiming. The fixture is aimed two-thirds of the distance across the area to be lighted and at least 30° below horizontal. If the area to be lighted is 40 feet across, the recommended aiming point is 27 feet.

Aiming point = $2/3$ across distance to be lighted
 $2/3 (40 \text{ ft.}) = 27 \text{ ft. aiming point}$

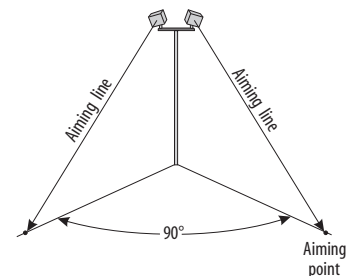
Additionally, to minimize glare, the recommended aiming point distance should never exceed twice the mounting height. If a pole is 20 feet high, the vertical aiming point should not exceed 40 feet out.

$2 (20 \text{ ft. mtg. ht.}) = 40 \text{ ft.}$



4. Horizontal Aiming

When an additional floodlight is added to a single pole, horizontal aiming also must be considered. First, each floodlight should be vertically aimed according to the two-thirds rule. As long as the floodlight has a horizontal NEMA 6 or 7 beamspread, the floodlights can be aimed up to 90° apart.



PRODUCT INFORMATION

POLES

(Poles are available only in U.S.)

All luminaire/pole assemblies require proper evaluation to ensure that the structural integrity of the assembly is not compromised when applied in specific wind conditions. Therefore, the basis for pole selection in this catalog is total weight and effective projected area, EPA (ft²), shown on the individual pole catalog pages. Determination of maximum EPA (ft²) and weight loading must include all luminaires, bracketry, signs, decoration, overhead wire or other equipment that will be mounted to the subject pole. Luminaire EPA (ft²) and weight data are found on their respective product pages.

The total effective projected area of the luminaires and brackets shall not exceed the EPA (ft²) listed for the pole selected at a given wind velocity. Poles that are to be located in areas of known abnormal conditions will require special consideration. Please consult factory if poles are required for Florida Building Code or other special wind load requirements. The map on page 589 gives the wind velocities to be used in determining luminaire pole compatibility.

NOTE: If during the pole warranty period of one year, the product proves defective in material or workmanship, the company shall correct, at its option, by repairing or replacing at no charge to the purchaser, if the purchaser promptly notifies the company. This warranty specifically excludes fatigue failure or similar phenomena resulting from induced vibration harmonic oscillation or resonance associated with the movement of air currents around the product.

Pole Selection Procedure

- Step 1.** Select the luminaire and decide how many will be mounted per pole. Determine the effective projected area, EPA (ft²), which is given on the dimensional information table.
- Step 2.** Determine the appropriate mounting method for the luminaire. Options include arm, bracket or wall mounting.
- Step 3.** Add together the EPAs (ft²) of the luminaire and arm/bracket. Multiply by number of fixtures to be mounted on one pole.
- Step 4.** Consult the wind map on page 589 to determine the basic wind velocity for your area.
- Step 5.** Select the material (steel or aluminum) and shape (square or round) of the pole. Refer to the "Technical Information" chart on the appropriate pole page.
 - A. Find the desired nominal mounting height in the second column.
 - B. Verify that the fixture weight does not exceed the maximum weight listed for the desired pole.
 - C. Compare your total EPA (ft²) loading with the maximum EPA (ft²) value found in the wind speed column for your area. Check that the equipment you are using will not exceed this value.
 - D. If both the weight and EPA (ft²) values do not exceed the value for which the pole is rated, you have selected the correct pole. If, however, either one of those numbers exceeds the maximum rated values, compare the EPA (ft²) and fixture weight loads to the next larger pole of the same mounting height.

NOTES: "Call Before Number" and complete pole description **MUST** be included before order can be processed. Bolt templates will be shipped with anchor bolts. To pre-ship templates, place an order for the appropriate template number.

CAUTION: This pole selection process is a guideline only. Lithonia Lighting assumes no responsibility for selection and recommends consultation with qualified individuals for verification of luminaire/pole assembly selection.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSA 16 4G DM19 DMB

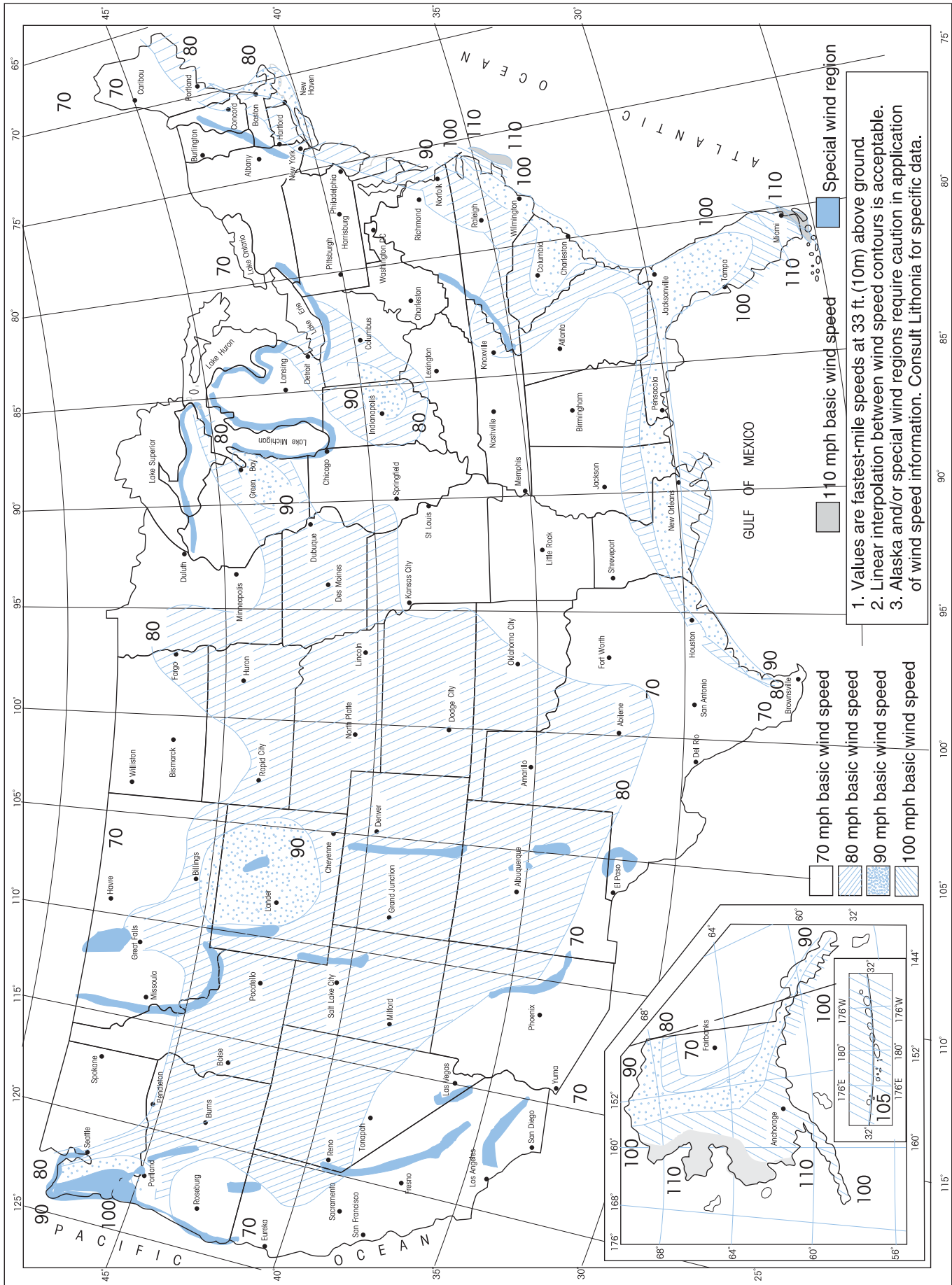
Shaft type		Nominal mounting height	Nominal shaft base size/Wall thickness		Fixture mounting method	Options	Finish ¹		
SSS	Square straight steel	8-50'; sportlighting poles up to 115'.	Nominal shaft base size	Wall thickness	PT	Open-top	Architectural colors ² Polyester powder <u>Standard colors</u>		
RSS	Round straight steel				T20	2-3/8" OD (2" NPS)		See pages 612-613 MAEX Match existing ³	
STS	Square tapered steel	See submittal sheets for specific information.	3	B	0.120"	T25	2-7/8" OD (2-1/2" NPS)	DDB	Dark bronze
RTS	Round tapered steel		4	C	0.125"	T30	3-1/2" OD (3" NPS)	DWH	White
RTSU	Round tapered steel with arm(s)		5	E	0.156"	T35	4" OD (3-1/2" NPS)	DBL	Black
STSH	Square tapered steel hinged		6	G	0.188"	<u>Drill mounting</u>		DMB	Medium bronze
SPRTS	Round tapered steel sportlighting		7	J	0.250"	DM19	1 at 90°	DNA	Natural aluminum
SSA	Square straight aluminum		8	K	0.312"	DM28	2 at 180°	BA	Brushed aluminum ³
SSCA	Square straight aluminum, cruciform		9	L	0.219"	DM29	2 at 90°	<u>Classic colors</u>	
RSA	Round straight aluminum		10	P	0.375"	DM39	3 at 90°	DSS	Sandstone
RTA	Round tapered aluminum					DM49	4 at 90°	DGC	Charcoal gray
RTAU	Round tapered aluminum with arm(s)					DM32	3 at 120° (round poles)	DTG	Tennis green
RTAH	Round straight aluminum hinged				<u>Aeris drill mounting</u>		DBR	Bright red	
SSAH	Square straight aluminum hinged				DM19AS	1 at 90°	DSB	Steel blue	
RTF	Round tapered fiberglass				DM28AS	2 at 180°	<u>Class 1 architectural anodized⁴</u>		
RTFDB	Round tapered fiberglass direct burial				DM29AS	2 at 90°	ABL	Black	
SSF	Square straight fiberglass				DM39AS	3 at 90°	ADB	Dark bronze	
STC	Square tapered concrete				DM49AS	4 at 90°	ANA	Natural	
SPRTC	Round tapered concrete sportlighting				DM32AS	3 at 120° (round poles)			
SSWDB	Square straight wood direct burial								

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Notes

- 1 Finish must be specified (poles do NOT ship DDB as standard).
- 2 Additional architectural colors available; see pages 796-799 or see Architectural Colors brochure on www.lithonia.com.
- 3 Aluminum poles only.
- 4 SSA, SSSCA, RSA, RTA, RTAU, RSAH, SSAH only.
- 5 Must include original order number.



PRODUCT INFORMATION

SSS

Square Straight Steel



Intended Use
Square straight steel general purpose pole for up to 39-foot mounting heights.

Construction
Shaft: Weldable grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge) or 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shaft is one piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square

in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of

55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced hand-hole rim having nominal dimensions of 3" x 5" for all shafts. Includes steel cover with attachment screws.

Hardware: All fasteners are high-strength, galvanized or zinc-plated or stainless steel.
Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

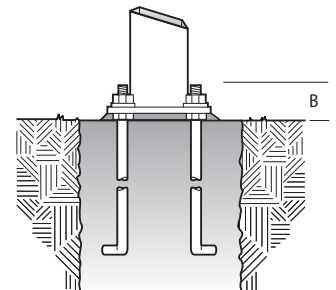
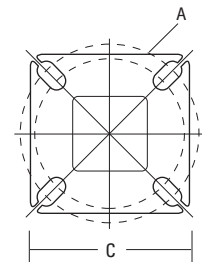
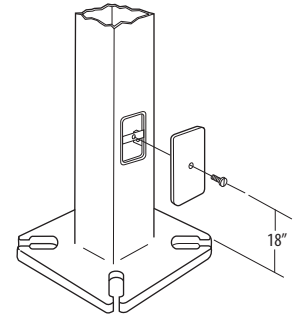
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSS 10 4C	10	4 x 10	0.125	11	30.6	765	23.8	595	18.9	473	8 - 9	3/4 x 18 x 3	75
SSS 12 4C	12	4 x 12	0.125	11	24.4	610	18.8	470	14.8	370	8 - 9	3/4 x 18 x 3	90
SSS 14 4C	14	4 x 14	0.125	11	19.9	498	15.1	378	11.7	293	8 - 9	3/4 x 18 x 3	100
SSS 16 4C	16	4 x 16	0.125	11	15.9	398	11.8	295	8.9	223	8 - 9	3/4 x 18 x 3	115
SSS 18 4C	18	4 x 18	0.125	11	12.6	315	9.2	230	6.7	168	8 - 9	3/4 x 18 x 3	125
SSS 20 4C	20	4 x 20	0.125	11	9.6	240	6.7	167	4.5	150	8 - 9	3/4 x 18 x 3	140
SSS 20 4G	20	4 x 20	0.188	7	14.0	350	11.0	275	8.0	200	8 - 9	3/4 x 30 x 3	198
SSS 20 5C	20	5 x 20	0.125	11	17.7	443	12.7	343	9.4	235	10 - 12	1 x 36 x 4	185
SSS 20 5G	20	5 x 20	0.188	7	28.1	703	21.4	535	16.2	405	10 - 12	1 x 36 x 4	265
SSS 25 4C	25	4 x 25	0.125	11	4.8	150	2.6	100	1.0	50	8 - 9	3/4 x 18 x 3	170
SSS 25 4G	25	4 x 25	0.188	7	10.8	270	7.7	188	5.4	135	8 - 9	3/4 x 30 x 3	245
SSS 25 5C	25	5 x 25	0.125	11	9.8	245	6.3	157	3.7	150	10 - 12	1 x 36 x 4	225
SSS 25 5G	25	5 x 25	0.188	7	18.5	463	13.3	333	9.5	238	10 - 12	1 x 36 x 4	360
SSS 30 4G	30	4 x 30	0.188	7	6.0	150	4.0	100	2.5	75	8 - 9	3/4 x 30 x 3	295
SSS 30 5C	30	5 x 30	0.125	11	4.7	150	2.0	50	-	-	10 - 12	1 x 36 x 4	265
SSS 30 5G	30	5 x 30	0.188	7	10.7	267	6.7	167	3.9	100	10 - 12	1 x 36 x 4	380
SSS 30 6G	30	6 x 30	0.188	7	19.0	475	13.2	330	9.0	225	11 - 13	1 x 36 x 4	520
SSS 35 5G	35	5 x 35	0.188	7	5.9	150	2.5	100	-	-	10 - 12	1 x 36 x 4	440
SSS 35 6G	35	6 x 35	0.188	7	12.4	310	7.6	190	4.2	105	11 - 13	1 x 36 x 4	540
SSS 39 6G	39	6 x 39	0.188	7	7.2	180	3.0	75	-	-	11 - 13	1 x 36 x 4	605

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION	ANCHOR BOLT AND TEMPLATE DESCRIPTION
4"C	8.5"	2.75" - 4.00"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8.5"	2.75" - 4.00"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10" - 12"	3.375" - 4.00"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11" - 13"	3.375" - 4.00"	12.5"	ABTEMPLATE PJ50011	AB36-0	NA

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Tix) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Round straight steel general purpose pole for up to 30-foot mounting heights.

Construction

Shaft: Weldable grade, hot rolled, commercial-quality carbon steel tubing with minimum yield of 42,000 psi. Uniform wall thickness of .120". Shaft is one piece with a full-length, longitudinal, high-frequency electric resistance weld. Uniformly round in cross-section down length of shaft with no taper.

Anchor base: Fabricated from hot-rolled carbon steel plate with 3/4" thickness conforming to ASTM A36. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced hand-hole rim located 18" above base. Includes cover with attachment screws.

Hardware: All fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.

RSS

Round Straight Steel



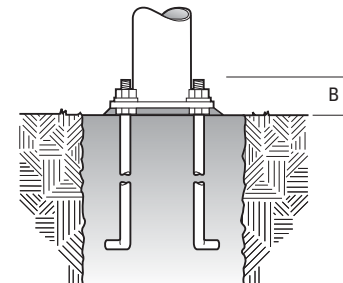
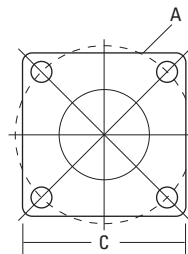
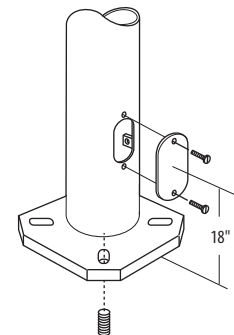
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT ²) WITH 1.3 GUST												
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RSS 8 4-5B	8	4.5 x 8	0.120	24.7	630	19.7	495	16.0	430	8	3/4 x 18 x 3	55
RSS 10 3B	10	3 x 10	0.120	10	250	7.7	190	6.0	175	8	3/4 x 18 x 3	55
RSS 10 4B	10	4 x 10	0.120	19.1	480	15.0	375	12.2	305	8	3/4 x 18 x 3	70
RSS 10 4-5B	10	4.5 x 10	0.120	24.5	615	19.5	490	15.8	395	8	3/4 x 18 x 3	75
RSS 12 3B	12	3 x 12	0.120	7.7	195	5.8	145	4.4	130	8	3/4 x 18 x 3	60
RSS 12 4B	12	4 x 12	0.120	15.0	390	11.8	300	9.5	240	8	3/4 x 18 x 3	80
RSS 12 4-5B	12	4.5 x 12	0.120	19.8	495	15.7	395	12.7	320	8	3/4 x 18 x 3	85
RSS 14 3B	14	3 x 14	0.120	6.0	175	4.4	130	3.3	90	8	3/4 x 18 x 3	70
RSS 14 4B	14	4 x 14	0.120	12.2	305	9.4	250	7.6	195	8	3/4 x 18 x 3	90
RSS 14 4-5B	14	4.5 x 14	0.120	16.2	405	12.8	320	10.3	260	8	3/4 x 18 x 3	95
RSS 15 4-5B	15	4.5 x 15	0.120	12.0	300	9.5	250	7.5	200	8	3/4 x 18 x 3	96
RSS 16 3B	16	3 x 16	0.120	4.6	125	3.2	100	2.3	60	8	3/4 x 18 x 3	80
RSS 16 4B	16	4 x 16	0.120	9.6	250	7.4	185	5.9	150	8	3/4 x 18 x 3	100
RSS 16 4-5B	16	4.5 x 16	0.120	13.1	330	10.2	265	8.2	205	8	3/4 x 18 x 3	105
RSS 18 3B	18	3 x 18	0.120	3.4	90	2.3	60	1.4	70	8	3/4 x 18 x 3	90
RSS 18 4B	18	4 x 18	0.120	7.6	190	5.7	180	4.5	130	8	3/4 x 18 x 3	110
RSS 18 4-5B	18	4.5 x 18	0.120	10.5	265	8.2	210	6.5	165	8	3/4 x 18 x 3	115
RSS 20 3B	20	3 x 20	0.120	2.4	100	1.4	75	-	-	8	3/4 x 18 x 3	100
RSS 20 4B	20	4 x 20	0.120	6.0	150	4.45	150	3.45	125	8	3/4 x 18 x 3	120
RSS 20 4-5B	20	4.5 x 20	0.120	8.5	215	6.6	165	5.2	130	8	3/4 x 18 x 3	130
RSS 20 5B	20	5 x 20	0.120	11.75	300	9.1	230	7.25	180	8	3/4 x 18 x 3	145
RSS 22 4-5B	22	4.5 x 22	0.120	6.0	150	4.5	125	3.75	100	8	3/4 x 18 x 3	134
RSS 25 4B	25	4 x 25	0.120	2.85	100	1.95	75	1.35	75	8	3/4 x 18 x 3	145
RSS 25 4-5B	25	4.5 x 25	0.120	4.8	130	3.6	90	2.7	90	8	3/4 x 18 x 3	145
RSS 25 5B	25	5 x 25	0.120	7.25	180	5.5	150	4.25	150	8	3/4 x 18 x 3	180
RSS 30 4-5B	30	4.5 x 30	0.120	2.3	80	1.5	75	1.0	60	8	3/4 x 18 x 3	185
RSS 30 5B	30	5 x 30	0.120	4.2	150	3	125	2.25	100	8	3/4 x 18 x 3	210

POLE DATA					
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
3"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0
4"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0
4.5"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0
5"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

STS

Square Tapered Steel



Intended Use
Square tapered steel general purpose pole for up to 50-foot mounting heights.

Construction
Shaft: Weldable-grade (ASTM A-595 Grade A) hot-rolled commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shaft is one piece with a full-length longitudinal high-frequency resistance weld and is square

in cross-section having flat sides, radiused corners and a uniform taper of approximately .11" per foot.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L"

bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for shafts less than 6.375" square and oval shaped 4" x 6.5" for all other shafts.

Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full base cover finished to match pole.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

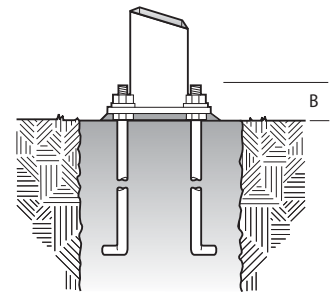
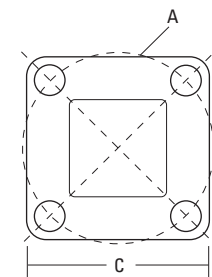
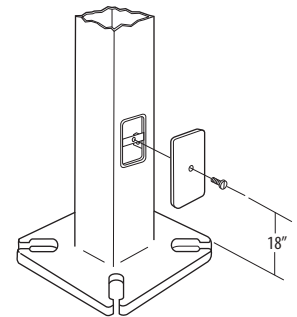
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX SHIP WT. (LBS.)
STS 20 5-2B	20	5.25 x 3.05 x 20	0.125	11	18.0	452	13.8	345	10.7	268	10.75	1 x 36 x 4	155
STS 20 5-5F	20	5.50 x 3.30 x 20	0.188	7	30.5	764	24.0	602	19.0	477	11	1 x 36 x 4	235
STS 25 6-0B	25	6.00 x 3.25 x 25	0.125	11	16.8	422	12.6	315	9.5	238	12	1 x 36 x 4	205
STS 25 6-4F	25	6.41 x 3.66 x 25	0.188	7	28.5	713	22.5	563	18.2	455	12.5	1 x 36 x 4	310
STS 30 6-4B	30	6.41 x 3.11 x 30	0.125	11	13.6	340	9.8	245	7.0	175	12.5	1 x 36 x 4	260
STS 30 6-4F	30	6.41 x 3.11 x 30	0.188	7	23.6	590	17.9	448	13.7	343	12.5	1 x 36 x 4	375
STS 35 6-8B	35	6.81 x 2.96 x 35	0.125	11	10.7	269	7.3	184	4.8	120	13	1 x 36 x 4	305
STS 35 7-1F	35	7.13 x 3.28 x 35	0.188	7	23.4	585	17.4	435	13.0	325	13.5	1 x 36 x 4	475
STS 39 7-1B	39	7.18 x 2.92 x 39	0.125	11	8.6	215	5.4	135	3.0	75	13.5	1 x 36 x 4	345
STS 39 7-1F	39	7.13 x 2.87 x 39	0.188	7	19.3	483	14.2	355	10.4	260	13.5	1 x 36 x 4	500
STS 45 7-8F	45	7.88 x 2.93 x 45	0.188	7	16.0	400	11.1	278	7.4	187	14.5	1 x 36 x 4	620
STS 45 8-7F	45	8.75 x 3.80 x 45	0.188	7	23.5	588	16.6	415	11.4	287	15.75	1-1/4 x 42 x 6	730
STS 50 8-8F	50	8.81 x 3.31 x 50	0.188	7	19.4	485	13.2	332	8.7	218	16	1-1/4 x 42 x 6	780

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
5.2" B	10.75"	3.50"-4.25"	10.75"	ABTEMPLATE PJ50095	AB36-0
5.5" F	11"	3.75"-4.50"	11"	ABTEMPLATE PJ50096	AB36-0
6.0" B	12"	3.50"-4.25"	11.5"	ABTEMPLATE PJ50097	AB36-0
6.4" F	12.5"	4.00"-4.75"	11.875"	ABTEMPLATE PJ50098	AB36-0
6.4" B	12.5"	3.50"-4.25"	11.875"	ABTEMPLATE PJ50099	AB36-0
6.8" B	13"	3.50"-4.25"	12.25"	ABTEMPLATE PJ50101	AB36-0
7.1" F	13.5"	4.25"-5.00"	12.625"	ABTEMPLATE PJ50102	AB36-0
7.1" B	13.5"	3.50"-4.25"	12.625"	ABTEMPLATE PJ50103	AB36-0
7.8" F	14.5"	4.00"-4.75"	13.375"	ABTEMPLATE PJ50105	AB36-0
8.7" F	15.75"	4.75"-5.50"	14.25"	ABTEMPLATE PJ50106	AB42-0
8.8" F	16"	4.50"-5.25"	15.5"	ABTEMPLATE PJ50107	AB42-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths described are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Round tapered steel general purpose pole for up to 50-foot mounting heights.

Construction

Shaft: Weldable-grade (ASTM A-595 Grade A), hot-rolled, commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are one piece construction with a full-length, longitudinal, high-frequency resistance weld. Round in cross-section,

having uniform taper of approximately .14" per foot.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end

per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for 5.9" shafts and oval-shaped 4" x 6.5" hand hole for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt cover: Bolt covers are zinc diecast and fasten to shaft by a 0.25" stainless steel, self-tapping, hex-head screw. Full base cover available as option.

Finish: Must specify finish.

RTS

Round Tapered Steel



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

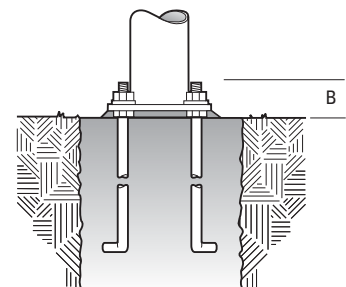
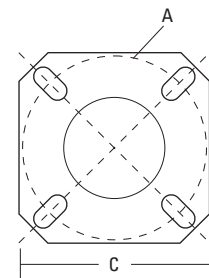
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RTS 20 5-9B	20	5.9 x 3.1 x 20	0.125	11	19.3	482	15.1	377	12.2	305	9.0	1 x 36 x 4	140
RTS 20 6-5B	20	6.5 x 3.7 x 20	0.125	11	24.2	605	19.3	482	15.6	390	9.5	1 x 36 x 4	160
RTS 25 5-9B	25	5.9 x 2.4 x 25	0.125	11	12.5	312	9.9	247	8	200	9.0	1 x 36 x 4	155
RTS 25 7-0B	25	7.0 x 3.5 x 25	0.125	11	20.3	507	16.2	405	13.1	327	10.0	1 x 36 x 4	200
RTS 25 7-0F	25	7.0 x 3.5 x 25	0.188	7	30.5	760	24.0	625	19.8	495	10.0	1 x 36 x 4	280
RTS 30 6-6B	30	6.6 x 2.4 x 30	0.125	11	11.7	292	9.3	232	7.5	187	9.5	1 x 36 x 4	200
RTS 30 8-0B	30	8.0 x 3.8 x 30	0.125	11	18.9	473	14.9	373	12	300	11.0	1 x 36 x 4	265
RTS 30 8-0F	30	8.0 x 3.8 x 30	0.188	7	33.5	838	27.0	675	22.0	550	11.0	1-1/4 x 42 x 6	380
RTS 35 7-3B	35	7.3 x 2.4 x 35	0.125	11	11.2	280	8.9	222	7.1	177	10.5	1 x 36 x 4	250
RTS 35 8-5B	35	8.5 x 3.6 x 35	0.125	11	18.9	472	15.1	377	12.2	305	11.5	1 x 36 x 4	315
RTS 35 9-5B	35	9.5 x 4.6 x 35	0.125	11	23.2	580	18.2	455	14.5	363	13.0	1 x 36 x 4	370
RTS 39 7-8B	39	7.8 x 2.4 x 39	0.125	11	10.7	267	8.5	212	6.6	165	11.0	1 x 36 x 4	285
RTS 39 9-0B	39	9.0 x 3.6 x 39	0.125	11	17.2	430	13.5	338	10.8	270	12.5	1 x 36 x 4	355
RTS 39 9-0F	39	9.0 x 3.6 x 39	0.188	7	28.5	715	23.0	575	19.0	475	12.5	1-1/4 x 42 x 6	515
RTS 45 10-0B	45	10.0 x 3.7 x 45	0.125	11	17.4	435	13.5	338	10.6	265	13.5	1 x 36 x 4	450
RTS 45 10-0F	45	10.0 x 3.7 x 45	0.188	7	28.5	715	23.0	575	19.0	475	13.5	1-1/4 x 42 x 6	650
RTS 50 10-0B	50	10.0 x 3.0 x 50	0.125	11	13.2	330	10.6	265	8.3	208	13.5	1 x 36 x 4	475
RTS 50 10-0F	50	10.0 x 3.0 x 50	0.188	7	20.5	512	16.5	412	13.6	340	13.5	1 1/4 x 42 x 6	680

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
5.9" B	9"	3.50" - 4.25"	10"	ABTEMPLATE PJ50075	AB36-0
6.5" B	9.5"	3.50" - 4.25"	10.5"	ABTEMPLATE PJ50074	AB36-0
7.0" B	10"	3.50" - 4.25"	10.875"	ABTEMPLATE PJ50077	AB36-0
7.0" F	10"	3.75" - 4.50"	10.875"	ABTEMPLATE PJ50076	AB36-0
6.6" B	9.5"	3.50" - 4.25"	10.5"	ABTEMPLATE PJ50078	AB36-0
8.0" B	11"	3.50" - 4.25"	11.5"	ABTEMPLATE PJ50079	AB36-0
8.0" F	11"	4.50" - 5.25"	11.5"	ABTEMPLATE PJ50080	AB42-0
7.3" B	10.5"	3.50" - 4.25"	11.25"	ABTEMPLATE PJ50081	AB36-0
8.5" B	11.5"	3.75" - 4.50"	12"	ABTEMPLATE PJ50082	AB36-0
9.5" B	13"	3.75" - 4.50"	13"	ABTEMPLATE PJ50083	AB36-0
7.8" B	11"	3.75" - 4.50"	11.5"	ABTEMPLATE PJ50084	AB36-0
9.0" B	12.5"	3.75" - 4.50"	12.375"	ABTEMPLATE PJ50085	AB36-0
9.0" F	12.5"	4.50" - 5.25"	12.375"	ABTEMPLATE PJ50086	AB42-0
10.0" B	13.5"	3.75" - 4.50"	14"	ABTEMPLATE PJ50087	AB36-0
10.0" F	13.5"	4.50" - 5.25"	14"	ABTEMPLATE PJ50088	AB42-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths described are nominal, actual lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Three-bolt anchor base available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

RTSU

Round Tapered Steel with Upsweep Mast Arms



Intended Use

Round tapered steel roadway pole with upsweep mast arm(s) for up to 40-foot mounting heights including rise of arm.

Construction

Shaft: Weldable-grade (ASTM A-595 Grade A), hot-rolled, commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are one-piece construction with a full-length, longitudinal, high-frequency resistance weld. Round in cross-section,

having uniform taper of approximately .14" per foot.

Arm: Body is 2-3/8" O.D. (2" NPS, Schedule 40) galvanized steel tube with minimum yield strength of 36,000 psi. Welding follows AWS standards. Arms are galvanized and/or painted after fabrication. Arm mounts to shaft via 1/2" steel bolt Simplex mount.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for 5.9" shafts and oval-shaped 4" x 6.5" hand hole for all other shafts.

Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided.

Bolt cover: Bolt covers are zinc diecast and fasten to shaft by a 0.25" stainless steel, self-tapping, hex-head screw. Full base cover available as option.

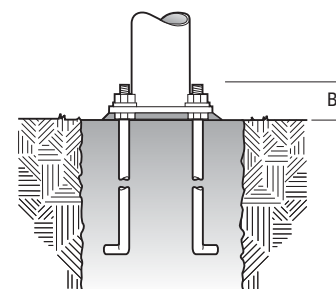
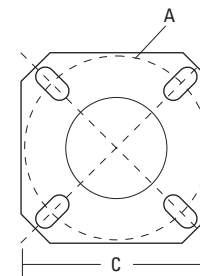
Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION

	CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	MTG. ARM LENGTH (FT.)	POLE SHAFT BASE DIA. (IN.)	WALL THICK. (IN.)	EPA FT ² W/1.3 GUST UP TO 100 MPH (PER ARM)	MAX. WT. PER ARM (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SINGLE-ARM POLES	RTSU 20 5-9B SMP US4	20	4	5.9	0.120	2	76	9.0	1 x 36 x 4	140
	RTSU 20 5-9B SMP US6	20	6	5.9	0.120	2	76	9.0	1 x 36 x 4	140
	RTSU 20 5-9B SMP US8	20	8	5.9	0.120	2	76	9.0	1 x 36 x 4	140
	RTSU 25 5-9B SMP US4	25	4	5.9	0.120	2	76	9.0	1 x 36 x 4	205
	RTSU 25 5-9B SMP US6	25	6	5.9	0.120	2	76	9.0	1 x 36 x 4	205
	RTSU 25 5-9B SMP US8	25	8	5.9	0.120	2	76	9.0	1 x 36 x 4	205
	RTSU 30 6-6B SMP US4	30	4	6.5	0.120	2	76	9.5	1 x 36 x 4	250
	RTSU 30 6-6B SMP US6	30	6	6.5	0.120	2	76	9.5	1 x 36 x 4	250
	RTSU 30 6-6B SMP US8	30	8	6.5	0.120	2	76	9.5	1 x 36 x 4	250
	RTSU 35 7-3B SMP US4	35	4	7.3	0.120	2	76	10.5	1 x 36 x 4	300
	RTSU 35 7-3B SMP US6	35	6	7.3	0.120	2	76	10.5	1 x 36 x 4	300
	RTSU 35 7-3B SMP US8	35	8	7.3	0.120	2	76	10.5	1 x 36 x 4	300
	RTSU 40 9-0B SMP US4	40	4	9	0.120	2	76	12.5	1 x 36 x 4	405
	RTSU 40 9-0B SMP US6	40	6	9	0.120	2	76	12.5	1 x 36 x 4	405
RTSU 40 9-0B SMP US8	40	8	9	0.120	2	76	12.5	1 x 36 x 4	405	
DOUBLE-ARM POLES	RTSU 20 5-9B SMP 2US4	20	4	5.9	0.120	2	76	9.0	1 x 36 x 4	240
	RTSU 20 5-9B SMP 2US6	20	6	5.9	0.120	2	76	9.0	1 x 36 x 4	240
	RTSU 20 5-9B SMP 2US8	20	8	5.9	0.120	2	76	9.0	1 x 36 x 4	240
	RTSU 25 5-9B SMP 2US4	25	4	5.9	0.120	2	76	9.0	1 x 36 x 4	255
	RTSU 25 5-9B SMP 2US6	25	6	5.9	0.120	2	76	9.0	1 x 36 x 4	255
	RTSU 25 5-9B SMP 2US8	25	8	5.9	0.120	2	76	9.0	1 x 36 x 4	255
	RTSU 30 6-6B SMP 2US4	30	4	6.5	0.120	2	76	9.5	1 x 36 x 4	300
	RTSU 30 6-6B SMP 2US6	30	6	6.5	0.120	2	76	9.5	1 x 36 x 4	300
	RTSU 30 6-6B SMP 2US8	30	8	6.5	0.120	2	76	9.5	1 x 36 x 4	300
	RTSU 35 7-3B SMP 2US4	35	4	7.3	0.120	2	76	10.5	1 x 36 x 4	350
	RTSU 35 7-3B SMP 2US6	35	6	7.3	0.120	2	76	10.5	1 x 36 x 4	350
	RTSU 35 7-3B SMP 2US8	35	8	7.3	0.120	2	76	10.5	1 x 36 x 4	350
	RTSU 40 9-0B SMP 2US4	40	4	9	0.120	2	76	12.5	1 x 36 x 4	455
	RTSU 40 9-0B SMP 2US6	40	6	9	0.120	2	76	12.5	1 x 36 x 4	455
RTSU 40 9-0B SMP 2US8	40	8	9	0.120	2	76	12.5	1 x 36 x 4	455	



POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
5.9"	9"	3.50" - 4.25"	10"	ABTEMPLATE PJ50075	AB36-0
6.5"	9.5"	3.50" - 4.25"	10.5"	ABTEMPLATE PJ50074	AB36-0
7.0"	10"	3.50" - 4.25"	10.875"	ABTEMPLATE PJ50077	AB36-0
7.3"	10.5"	3.50" - 4.25"	11.25"	ABTEMPLATE PJ50133	AB36-0
7.5"	10.5"	3.50" - 4.25"	11.25"	ABTEMPLATE PJ50133	AB36-0
8.0"	11"	3.50" - 4.25"	11.5"	ABTEMPLATE PJ50079	AB36-0
8.5"	11.5"	3.75" - 4.50"	12"	ABTEMPLATE PJ50082	AB36-0
9.0"	12.5"	3.75" - 4.50"	12.375"	ABTEMPLATE PJ50085	AB36-0
9.5"	13"	4.00" - 4.50"	13"	ABTEMPLATE PJ50134	AB36-0
10.0"	13.5"	4.00" - 4.50"	14"	ABTEMPLATE PJ50135	AB36-0
10.5"	14"	4.50" - 5.00"	14.5"	ABTEMPLATE PJ50136	AB42-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Notes

- Fixture's nominal mounting height is the sum of shaft length plus rise of upsweep arm.
- Three- and four-arm configurations available, consult factory.
- Truss and davit arms available, consult factory.
- Mounting options: (Txx) tenon and/or (DMxx) drilling may be added, consult factory.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Transformer bases and breakaway couplings available, consult factory.
- Three-bolt slip bases available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Square tapered steel hinged pole with 20- to 39-foot mounting heights. Good application where maintenance access is limited.

Construction

Shaft: Weldable-grade, hot-rolled, commercial-quality carbon steel having a guaranteed minimum yield strength of 55,000 psi and is supplied in 11-gauge (.1196") or 7-gauge (.1793") nominal thickness. Pole is one-piece construction with a full-length, longitudinal, high-frequency, electric-

resistance weld. Shaft is square in cross-section having flat sides, radiused corners, and uniform taper of approximately 0.11 inches per foot (4-inch square poles are not tapered).

Hinge: Hinge pin is stainless steel. A flexible wiring guide is provided, passing through the hinge area for wiring protection. Hinge is external.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and

shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for 4" shafts and oval shaped 4" x 6.5" for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.

STSH

Square Tapered Steel, Hinged



ADDITIONAL INFORMATION

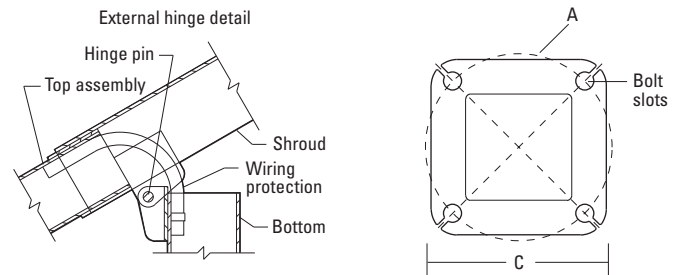
For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT ²) WITH 1.3 GUST													
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS)
STSH 20 4F	20	4 x 4 x 20	0.188	7	11.6	217	8.5	217	6.2	217	8.5 - 10	3/4 x 18 x 3	300
STSH 25 4F	25	4 x 4 x 25	0.188	7	7.1	160	4.8	160	3.1	160	8.5 - 10	3/4 x 18 x 3	370
STSH 25 6-4B	25	6.41 x 3.63 x 25	0.125	11	18.0	254	13.0	254	9.3	254	12.5	1 x 36 x 4	355
STSH 30 4F	30	4 x 4 x 30	0.188	7	4.0	120	2.1	120	0.8	120	8.5 - 10	3/4 x 18 x 3	435
STSH 30 6-4B	30	6.41 x 3.08 x 30	0.125	11	12.5	230	8.3	230	5.1	230	12.5	1 x 36 x 4	440
STSH 35 7-1B	35	7.18 x 2.88 x 35	0.125	11	7.1	160	3.2	160	-	-	13.5	1 x 36 x 4	540
STSH 35 7-1F	35	7.13 x 2.87 x 35	0.188	7	22.0	155	16.9	155	12.1	155	13.5	1 x 36 x 4	700
STSH 39 7-1F	39	7.13 x 2.87 x 39	0.188	7	19.5	110	13.5	110	9.2	110	13.5	1 x 36 x 4	740

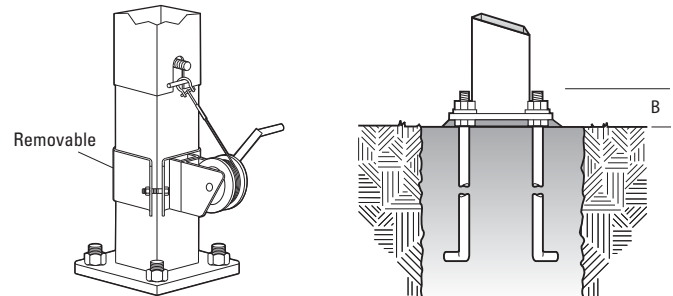
POLE DATA					
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4.0" F	8.5" - 10"	3.50" - 4.25"	9.75"	ABTEMPLATE PJ50091	AB18-0
6.4" B	12.5"	3.75" - 4.50"	11.875"	ABTEMPLATE PJ50092	AB36-0
7.1" B	13.5"	3.50" - 4.25"	12.625"	ABTEMPLATE PJ50094	AB36-0
7.1" F	13.5"	4.00" - 4.75"	12.625"	ABTEMPLATE PJ50093	AB36-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

WINCH ORDERING	
WINCH NOMENCLATURE	SHAFT SIZE
STSHWCH 4F	4F
STSHWCH 6-4B	6-4B
STSHWCH 7-1B	7-1B
STSHWCH 7-1F	7-1F



Winch detail (accessory)



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Pole lengths cannot be modified.
- Hinge point is located approximately two-thirds from bottom of pole.
- Winch assembly (ordered separately) required to lower pole shaft.
- Consult factory if product must meet "Buy American" specifications.

SPRTS

Round Tapered Steel Sportlighting



Intended Use
Round tapered steel sports lighting pole with 40- to 80-foot mounting heights. 60 foot and longer are two section poles.

Construction
Shaft: Pole shaft sections are high-strength low-alloy steel conforming to ASTM A572 Grade 65 or ASTM A595 Grade A. Cross-section is round or 16-sided with a 4" bend radius. Each pole is a constant tapered hollow steel section up to 55 feet in

length with a minimum 1-1/2 times diameter slip joint as standard for two section pole. Shaft plate is single thickness without laminations.

Anchor base: Fabricated from hot-rolled carbon steel plate that conforms to ASTM A36 or ASTM A572 Grade 42. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L"

bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Hand hole: Oval shaped, reinforced hand-hole rim

having a nominal dimension of 4" x 6.5". Steel cover with attachment screws included. Hand hole is located 18" above base.

Top cap: Removable top cap provided with all drill-mount poles.

Finish: Must specify finish.

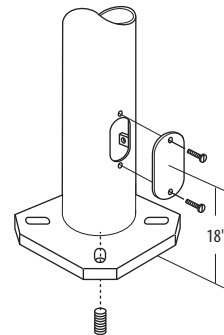
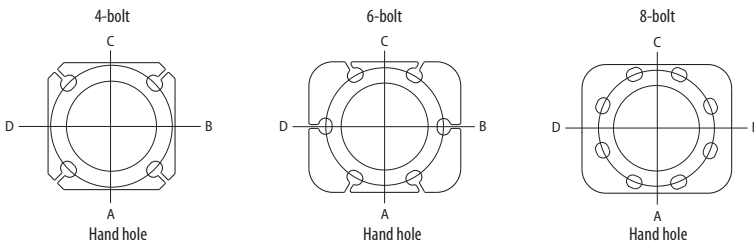
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	BOTTOM SECTION		TOP SECTION		EPA (FT²) WITH 1.3 GUST						BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	# OF ANCHOR BOLTS	APPROX. SHIP WT. (LBS.)
		BASE DIA. (IN.)	WALL THICK. (IN.)	BASE DIA. (IN.)	WALL THICK. (IN.)	80 MPH.	MAX. WT.	90 MPH.	MAX. WT.	100 MPH.	MAX. WT.				
SPRTS 40 HT01	40	9	0.1193	-	-	17.2	430	13.5	338	10.8	270	12.5	1 x 36 x 4	4	366
SPRTS 40 HT02	40	9	0.1793	-	-	26.1	654	20.6	517	16.7	419	12.5	1-1/4 x 42 x 6	4	514
SPRTS 40 HT03	40	10	0.1793	-	-	38.6	965	30.6	765	24.6	615	13.5	1-1/4 x 42 x 6	4	604
SPRTS 50 HT01	50	10	0.1193	-	-	13.2	330	10.6	265	8.3	208	13.5	1 x 36 x 4	4	486
SPRTS 50 HT02	50	10	0.1793	-	-	20.5	512	16.5	412	13.6	340	13.5	1-1/4 x 42 x 6	4	684
SPRTS 50 HT03	50	11	0.1793	-	-	29.9	748	23.5	588	18.6	465	15	1-1/4 x 42 x 6	4	813
SPRTS 50 HT04	50	13	0.1793	-	-	50.4	1,260	39.7	992	31.4	785	17	1-1/2 x 54 x 6	4	1024
SPRTS 50 HT05	50	13	0.2391	-	-	69.2	1,730	55.0	1,375	44.2	1,105	17.5	1-3/4 x 84 x 6	4	1339
SPRTS 60 HT01	60	11.5	0.1793	5	0.1196	20.0	600	16.0	480	13.0	390	16	1-1/4 x 42 x 6	4	907
SPRTS 60 HT02	60	13	0.1793	6.5	0.1196	36.0	1,080	29.0	870	22.0	660	17	1-1/4 x 42 x 6	6	1110
SPRTS 60 HT03	60	13	0.2391	6.6	0.1793	49.0	1,470	40.0	1,200	32.0	960	17	1-1/2 x 54 x 6	6	1467
SPRTS 60 HT04	60	15.87	0.1875	12	0.1793	78.0	2,340	62.0	1,860	50.0	1,500	21	1-1/2 x 54 x 6	6	1651
SPRTS 70 HT01	70	13	0.1793	6.6	0.1793	20.6	515	16.7	417	13.7	342	17	1-1/2 x 54 x 6	4	1228
SPRTS 70 HT02	70	13	0.2391	6.6	0.1793	23.8	595	19.3	482	15.9	397	17.5	1-3/4 x 84 x 6	4	1547
SPRTS 70 HT03	70	14.57	0.1875	12	0.1793	39.0	1,170	30.0	900	23.0	690	19	1-1/4 x 42 x 6	6	1597
SPRTS 70 HT04	70	15.87	0.1875	12	0.1793	52.0	1,560	41.0	1,230	33.0	990	21	1-1/2 x 54 x 6	6	1801
SPRTS 70 HT05	70	16.82	0.1875	12	0.1793	65.0	1,950	53.0	1,590	42.0	1,260	22.75	1-1/2 x 54 x 6	6	1984
SPRTS 80 HT01	80	15.87	0.1875	12	0.1793	37.0	1,110	29.0	870	23.0	690	21	1-1/2 x 54 x 6	6	1899
SPRTS 80 HT02	80	16.82	0.1875	12	0.1793	45.0	1,350	36.0	1,080	28.0	840	22.75	1-1/2 x 54 x 6	6	2137
SPRTS 80 HT03	80	17.53	0.2092	13	0.1875	58.0	1,740	46.0	1,380	35.0	1,050	23	1-1/2 x 54 x 6	6	2350
SPRTS 80 HT04	80	18.7	0.1875	12	0.1793	70.0	2,100	56.0	1,680	44.0	1,320	23	1-1/2 x 54 x 6	8	2447

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

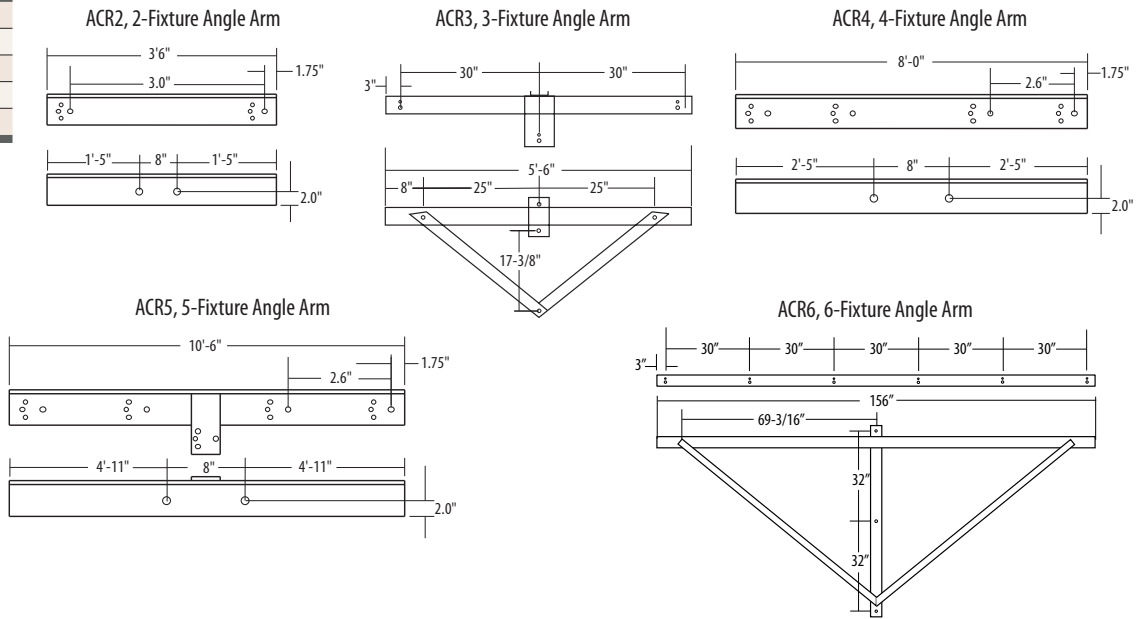
- Bolt lengths described are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Platform cages available, consult factory.
- Direct-burial option available, consult factory.
- Above 80-foot mounting height, consult factory.
- High wind zone and/or high EPA and weight loading, consult factory.
- Consult factory if product must meet "Buy American" specifications.

Intended Use
For use on SPRTS sportlighting poles.

ANGLE IRON CROSSARMS FOR STEEL POLES

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
ACR2	1.98	34.0
ACR3	3.12	54.0
ACR4	4.53	78.0
ACR5	5.95	103.0
ACR6	7.37	127.0

Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area (EPA).



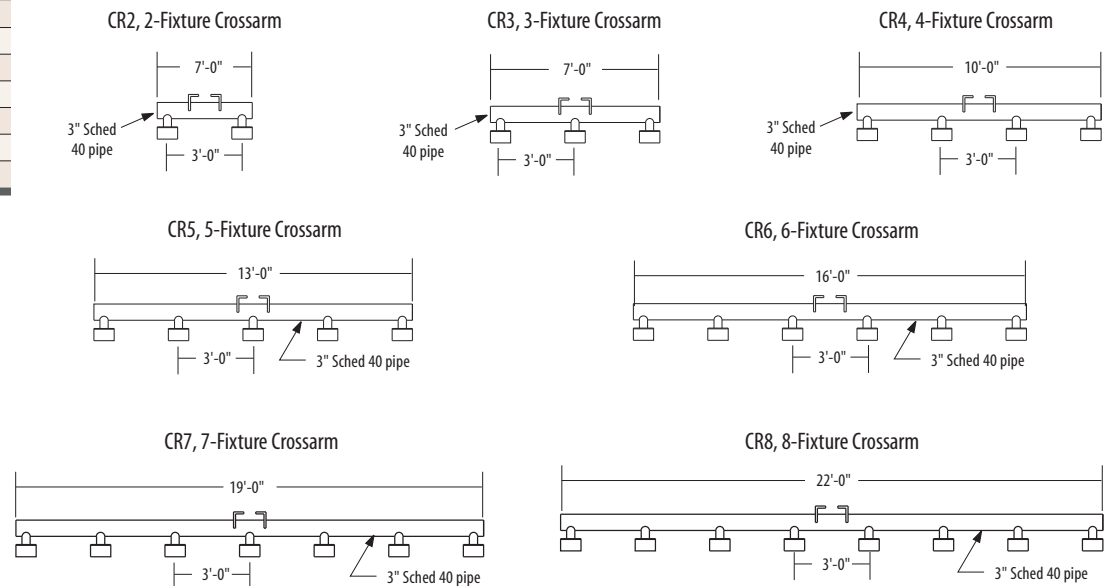
Notes
Angle iron crossarms can be used with other poles if ordered with the pole.

Intended Use
For use on SPRTS sportlighting poles.

TUBULAR CROSSARMS FOR STEEL POLES

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
CR2	1.28	44.0
CR3	2.45	65.0
CR4	3.21	98.0
CR5	4.17	116.0
CR6	5.13	150.0
CR7	6.10	176.0
CR8	7.06	271.0

Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area (EPA).



Notes
Tubular crossarms can be used with other poles if ordered with the pole.

PRODUCT INFORMATION

SSA

Square Straight Aluminum



Intended Use
Square straight aluminum general purpose pole for up to 35-foot mounting heights.

Construction
Shaft: Made from extruded 6063-T6 or 6061-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper.

Base plate and shaft are circumferentially welded top and bottom. Anchor bolt holes are recessed and are covered by tamper-resistant aluminum nut-cover discs

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor

bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced rectangular hand hole is located 18" above base. 4" poles have 2" x 4" hand hole; 5" and 6" poles have 2.5" x 4" hand hole. Hand-hole cover plate made from aluminum alloy

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: Nut-cover discs provided.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

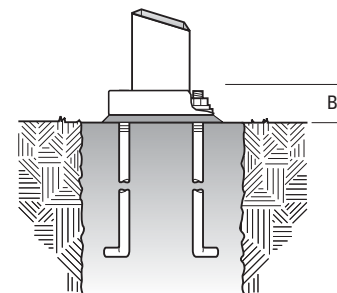
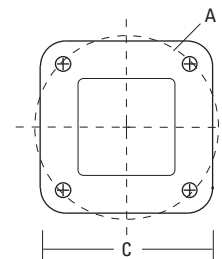
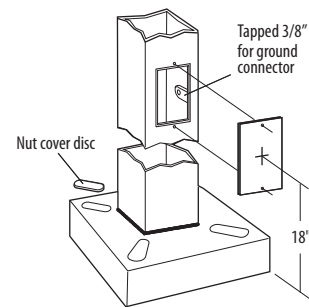
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSA 8 4C	8	4 x 8	0.125	16.5	12.6	9.9	300	8.5 - 9.625	3/4 x 18 x 3	32
SSA 10 4C	10	4 x 10	0.125	11.5	8.6	6.5	230	8.5 - 9.625	3/4 x 18 x 3	37
SSA 12 4C	12	4 x 12	0.125	12.4	9.2	6.9	160	8.5 - 9.625	3/4 x 18 x 3	40
SSA 14 4C	14	4 x 14	0.125	9.3	6.7	4.8	120	8.5 - 9.625	3/4 x 18 x 3	50
SSA 15 4C	15	4 x 15	0.125	8.0	5.6	3.9	100	8.5 - 9.625	3/4 x 18 x 3	52
SSA 16 4C	16	4 x 16	0.125	6.9	4.7	3.1	90	8.5 - 9.625	3/4 x 18 x 3	54
SSA 16 4G	16	4 x 16	0.188	11.8	8.5	6.2	130	8.5 - 9.625	3/4 x 30 x 3	74
SSA 16 5G	16	5 x 16	0.188	15.0	11.1	7.5	280	10.5 - 11.5	3/4 x 30 x 3	83
SSA 18 4C	18	4 x 18	0.125	4.9	3.0	1.7	70	8.5 - 9.625	3/4 x 18 x 3	57
SSA 18 4G	18	4 x 18	0.188	9.2	6.4	4.4	100	8.5 - 9.625	3/4 x 30 x 3	80
SSA 18 5G	18	5 x 18	0.188	16.8	12.2	8.9	230	10.5 - 11.5	3/4 x 30 x 3	91
SSA 20 4C	20	4 x 20	0.125	3.3	1.7	0.5	40	8.5 - 9.625	3/4 x 18 x 3	62
SSA 20 4G	20	4 x 20	0.188	7.0	4.6	2.9	80	8.5 - 9.625	3/4 x 30 x 3	85
SSA 20 5G	20	5 x 20	0.188	13.6	9.5	6.6	180	10.5 - 11.5	3/4 x 30 x 3	107
SSA 20 6G	20	6 x 20	0.188	22.0	15.9	11.6	230	12 - 13	1 x 36 x 4	155
SSA 20 6J	20	6 x 20	0.250	30.4	22.6	17.0	300	12 - 13	1 x 36 x 4	202
SSA 25 5G	25	5 x 25	0.188	7.2	4.2	2.0	110	10.5 - 11.5	3/4 x 30 x 3	130
SSA 25 6G	25	6 x 25	0.188	13.2	8.6	5.4	180	12 - 13	1 x 36 x 4	180
SSA 25 6J	25	6 x 25	0.250	19.7	13.8	9.5	250	12 - 13	1 x 36 x 4	224
SSA 30 6G	30	6 x 30	0.188	7.0	3.4	0.8	130	12 - 13	1 x 36 x 4	210
SSA 30 6J	30	6 x 30	0.250	12.2	7.5	4.1	170	12 - 13	1 x 36 x 4	258
SSA 32 6J	32	6 x 32	0.250	9.7	5.4	2.3	160	12 - 13	1 x 36 x 4	272
SSA 35 6J	35	6 x 35	0.250	6.4	2.6	-	200	12 - 13	1 x 36 x 4	294
SSA 35 7J	35	6.75 x 35	0.250	7.6	3.1	-	150	14.625	1 x 36 x 4	290

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"C	8.5" - 9.625"	3.125"	9.938"	ABTEMPLATE PJ50045	AB18-0
4"G	8.5" - 9.625"	3.125"	9.938"	ABTEMPLATE PJ50045	AB30-0
5"	10.5" - 11.5"	3.25"	11.563"	ABTEMPLATE PJ50046	AB30-0
6"	12" - 13"	4"	12.25"	ABTEMPLATE PJ50044	AB36-0
7"	14.625"	4.125"	15"	ABTEMPLATE PJ50130	AB36-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Special alloy for high wind load conditions available, consult factory.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Full base cover available as option, consult factory.
- Consult factory if product must meet "Buy Americann" specifications.

Intended Use

Square straight cruciform pole for up to 30-foot mounting heights.

Construction

Shaft: Made from extruded seamless 6000 series alloy aluminum tubing, square cruciform tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper.

Base plate and shaft are circumferentially welded top and bottom. Anchor bolt holes are recessed and are covered by tamper-resistant aluminum nut-cover discs.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor

bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced rectangular hand hole is located 18" above base. 2" x 4" hand-hole cover plate made from aluminum alloy.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: Nut cover discs provided.

Finish: Must specify finish.

SSCA

Square Straight Cruciform Aluminum



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

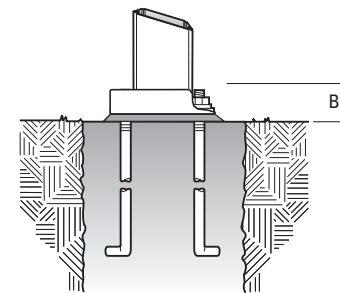
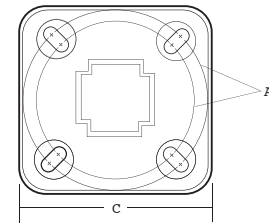
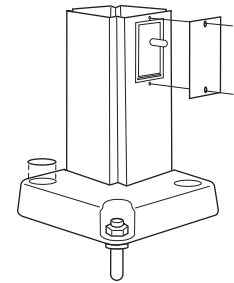
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT. (IN. X IN. X IN.)	APPROX. BOLT CIRCLE (IN.)	BOLT SIZE	SHIP WT. (LBS.)
SSCA 8 4G	8	4 x 8	0.188	30.2	23.5	18.6	350	8.5 - 9.625	3/4 x 18 x 4	45
SSCA 10 4G	10	4 x 10	0.188	23.5	18	14.1	260	8.5 - 9.625	3/4 x 18 x 4	50
SSCA 12 4G	12	4 x 12	0.188	18.4	13.9	10.7	260	8.5 - 9.625	3/4 x 18 x 4	56
SSCA 15 4G	15	4 x 15	0.188	10.6	7.7	5.6	200	8.5 - 9.625	3/4 x 18 x 4	67
SSCA 18 4G	18	4 x 18	0.188	7.2	4.9	3.2	200	8.5 - 9.625	3/4 x 18 x 4	77
SSCA 18 6G	18	6 x 18	0.188	21.7	15.9	11.7	260	12 - 13	1 x 36 x 4	139
SSCA 20 4G	20	4 x 20	0.188	5.8	3.6	2	100	8.5 - 9.625	3/4 x 18 x 4	84
SSCA 20 6G	20	6 x 20	0.188	18.3	13	9.2	150	12 - 13	1 x 36 x 4	149
SSCA 25 6G	25	6 x 25	0.188	11	6.8	3.7	150	12 - 13	1 x 36 x 4	175
SSCA 30 6G	30	6 x 30	0.188	4.5	1.4	-	260	12 - 13	1 x 36 x 4	201

POLE DATA

SHAFT BASE SIZE	BASE SQUARE			TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
	BOLT CIRCLE A	BOLT PROJECTION B	C		
4"	8.5" - 9.625"	3.125"	9.938"	ABTEMPLATE PJ50131	AB18-0
6"	12" - 13"	4"	12.75"	ABTEMPLATE PJ50132	AB36-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RSA

Round Straight Aluminum



Intended Use
Round straight aluminum general purpose pole for up to 30-foot mounting heights.

Construction
Shaft: One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. Round straight tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper. Base

plate and shaft are circumferentially welded top and bottom. The anchor base is provided with slotted holes.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced 2" x 4" hand hole is located 18" above base. (4.5" and 5" poles have either 2" x 4" or 3" x 5" hand hole; 6" poles have a 3" x 5" hand hole). Cover and attachment hardware furnished.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: A356 bolt covers included with anchor base unless otherwise specified.

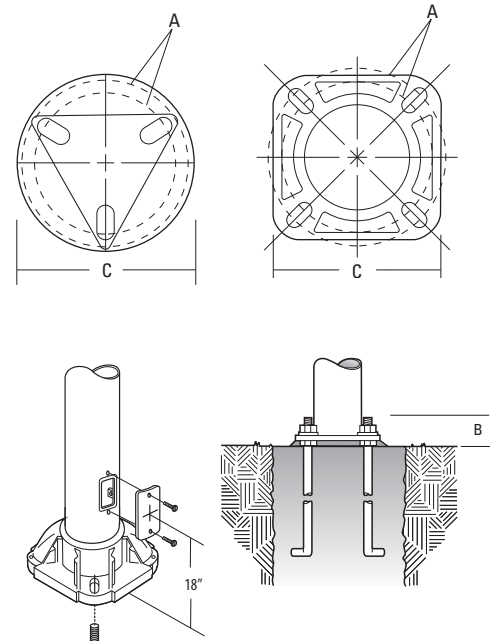
Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

NUMBER OF BOLTS	CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
4-BOLT BASE	RSA 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	6.5 - 8.25	3/4 x 18 x 3	22
	RSA 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	6.5 - 8.25	3/4 x 18 x 3	26
	RSA 12 4C	12	4 x 12	0.125	6.0	4.3	3.2	110	6.5 - 8.25	3/4 x 18 x 3	30
	RSA 12 4-5C	12	4.5 x 12	0.125	8.1	6.0	4.8	80	7.125 - 8.375	3/4 x 18 x 3	38
	RSA 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	6.5 - 8.25	3/4 x 18 x 3	35
	RSA 14 4-5C	14	4.5 x 14	0.125	5.8	4.2	3.3	60	7.125 - 8.375	3/4 x 18 x 3	42
	RSA 14 5C	14	5 x 14	0.125	7.8	6.0	4.7	100	7.5 - 9.5	3/4 x 18 x 3	39
	RSA 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	6.5 - 8.5	3/4 x 18 x 3	38
	RSA 16 4-5C	16	4.5 x 16	0.125	4.2	2.8	2.1	50	7.125 - 8.375	3/4 x 18 x 3	46
	RSA 16 4-5G	16	4.5 x 16	0.188	7.5	5.5	4.3	155	7.125 - 8.375	3/4 x 18 x 3	62
	RSA 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	7.5 - 9.5	3/4 x 18 x 3	46
	RSA 16 5E	16	5 x 16	0.156	8.0	6.1	4.8	190	7.5 - 9.5	3/4 x 18 x 3	53
	RSA 18 4-5G	18	4.5 x 18	0.188	5.7	4.0	3.1	123	7.125 - 8.375	3/4 x 18 x 3	68
	RSA 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.5 - 9.5	3/4 x 18 x 3	48
	RSA 18 5E	18	5 x 18	0.156	6.1	4.6	3.5	175	7.5 - 9.5	3/4 x 18 x 3	58
	RSA 18 5G	18	5 x 18	0.188	8.0	6.8	4.7	225	7.5 - 9.5	3/4 x 18 x 3	68
	RSA 20 4-5G	20	4.5 x 20	0.188	4.3	2.9	2.1	95	7.125 - 8.375	3/4 x 30 x 3	74
	RSA 20 5C	20	5 x 20	0.125	3.0	2.1	1.5	150	7.5 - 9.5	3/4 x 18 x 3	54
	RSA 20 5E	20	5 x 20	0.156	4.7	3.4	2.6	150	7.5 - 9.5	3/4 x 18 x 3	68
	RSA 20 5G	20	5 x 20	0.188	6.4	4.8	3.6	150	7.5 - 9.5	3/4 x 18 x 3	82
RSA 20 6E	20	6 x 20	0.156	9.3	7.1	5.5	175	8.75 - 10.25	3/4 x 30 x 3	95	
RSA 25 4-5G	25	4.5 x 25	0.188	1.3	-	-	100	7.125 - 8.375	3/4 x 18 x 3	89	
RSA 25 6E	25	6 x 25	0.156	5.2	3.8	2.8	150	8.75 - 10.25	3/4 x 30 x 3	108	
RSA 25 6G	25	6 x 25	0.188	7.1	5.3	4.0	150	8.75 - 10.25	3/4 x 30 x 3	128	
RSA 30 6G	30	6 x 30	0.188	3.5	2.4	1.6	200	8.75 - 10.25	3/4 x 30 x 3	146	
3-BOLT BASE	3RSA 8 3C	8	3 x 8	0.125	5.8	4.3	3.3	75	5.5 - 7	3/4 x 18 x 3	22
	3RSA 10 3C	10	3 x 10	0.125	4.0	2.9	2.1	75	5.5 - 7	3/4 x 18 x 3	26
	3RSA 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	75	6.3125 - 7.375	3/4 x 18 x 3	26
	3RSA 12 3C	12	3 x 12	0.125	2.7	1.8	1.2	75	5.5 - 7	3/4 x 18 x 3	30
	3RSA 12 4C	12	4 x 12	0.125	5.8	4.2	3.1	150	6.3125 - 7.375	3/4 x 18 x 3	30
	3RSA 12 5C	12	5 x 12	0.125	10.3	8	6.3	150	7.375 - 8.5	3/4 x 18 x 3	36
	3RSA 14 3C	14	14 x 3	0.125	1.7	1.0	0	75	5.5 - 7	3/4 x 18 x 3	35
	3RSA 14 4C	14	14 x 4	0.125	4.1	2.8	1.9	150	6.3125 - 7.375	3/4 x 18 x 3	35
	3RSA 14 5C	14	14 x 5	0.125	7.9	6.0	4.7	150	7.375 - 8.5	3/4 x 18 x 3	39
	3RSA 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	6.3125 - 7.375	3/4 x 18 x 3	38
	3RSA 16 5E	16	5 x 16	0.156	8.0	6.1	4.8	150	7.375 - 8.5	3/4 x 18 x 3	53
	3RSA 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.375 - 8.5	3/4 x 18 x 3	48
3RSA 20 5C	20	5 x 20	0.125	2.9	2.0	1.4	150	7.375 - 8.5	3/4 x 18 x 3	54	
3RSA 20 5E	20	5 x 20	0.156	4.6	3.3	2.5	150	7.375 - 8.5	3/4 x 18 x 3	68	



INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

POLE DATA

NUMBER OF BOLTS	SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4-BOLT BASE	4"	6.5" - 8.25"	3.25"	8.75"	ABTEMPLATE PJ50057	AB18-0
	4.5"	7" - 8.5"	3.25"	8.5"	ABTEMPLATE PJ50040	AB18-0
	5"	7.5" - 9.5"	3.25"	9.25"	ABTEMPLATE PJ50058	AB18-0
	6"	8.75" - 10.25"	3.50"	10.25"	ABTEMPLATE PJ50059	AB30-0
3-BOLT BASE	3"	5.5" - 7"	3.25"	7.5"	ABTEMPLATE PJ50125	AB18-0
	4"	6.3125" - 7.375"	3.25"	8.875"	ABTEMPLATE PJ50126	AB18-0
	5"	7.375" - 8.5"	3.25"	10.25"	ABTEMPLATE PJ50127	AB18-0

Notes

- Mounting arrangement: (PT) open top or (Tox) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Three-bolt poles have drilling located midway between anchor bolts. Hand hole is located on opposite side of drilling. For special drillings, consult factory.

PRODUCT INFORMATION

Intended Use

Round straight aluminum general purpose pole for up to 20-foot mounting heights.

Construction

Shaft: One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. Round straight tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper. Base plate and shaft are circumferentially welded top and bottom. RSAO: Base plate

bolt circle is 7.5". RSALP: The anchor base is provided with slotted holes.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with hex nut, washer and leveling shims.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced 2"x5" hand hole is located 18" above base. Cover and attachment hardware furnished.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

RSOA: Decorative base. Made of die-cast aluminum the decorative base slides over the pole, matching a key slot in the pole baseplate allowing a reveal between the baseplate and the decorative base cover. The decorative base cover is 17.5" tall which

is combined with the height of the matching baseplate for a total height of 20.25".

RSALP: Low-profile base cover. Made of die-cast aluminum, the base slides over the pole fitting over the pole, baseplate for a smooth one-piece design. The base cover is 5" tall with a step contour 3-1/2" above the base.

Finish: Must specify finish.

RSOA

Round Straight Aluminum with OMERO™ Decorative Base Cover

RSALP

Round Straight Aluminum with Low-Profile Base Cover



ADDITIONAL INFORMATION

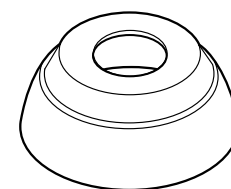
For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

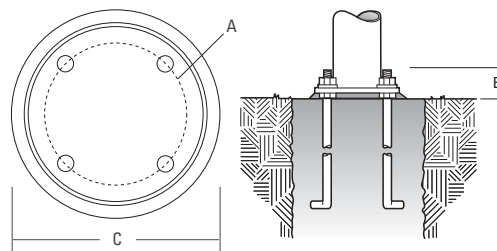
NUMBER OF BOLTS	CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RSOA 4-BOLT BASE	RSOA 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	7.5	3/4 x 18 x 3	22
	RSOA 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	7.5	3/4 x 18 x 3	26
	RSOA 12 4C	12	4 x 12	0.125	6.0	4.3	3.2	110	7.5	3/4 x 18 x 3	30
	RSOA 12 4-5C	12	4.5 x 12	0.125	8.1	6.0	4.8	80	7.5	3/4 x 18 x 3	38
	RSOA 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	7.5	3/4 x 18 x 3	35
	RSOA 14 4-5C	14	4.5 x 14	0.125	5.8	4.2	3.3	60	7.5	3/4 x 18 x 3	42
	RSOA 14 5C	14	5 x 14	0.125	7.8	6.0	4.7	100	7.5	3/4 x 18 x 3	39
	RSOA 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	7.5	3/4 x 18 x 3	38
	RSOA 16 4-5C	16	4.5 x 16	0.125	4.2	2.8	2.1	50	7.5	3/4 x 18 x 3	46
	RSOA 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	7.5 - 9.5	3/4 x 18 x 3	46
	RSOA 18 4-5G	18	4.5 x 18	0.188	5.7	4.0	3.1	123	7.125 - 8.375	3/4 x 18 x 3	68
	RSOA 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.5 - 9.5	3/4 x 18 x 3	48
	RSOA 20 4-5G	20	4.5 x 20	0.188	4.3	2.9	2.1	95	7.125 - 8.375	3/4 x 18 x 3	74
	RSOA 20 5C	20	5 x 20	0.125	3.0	2.1	1.5	150	7.5 - 9.5	3/4 x 18 x 3	54
RSALP 4-BOLT BASE	RSALP 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	6.5 - 8.25	3/4 x 18 x 3	22
	RSALP 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	7.125 - 8.375	3/4 x 18 x 3	26
	RSALP 12 4C	12	4 x 12	0.125	6.0	4.3	3.2	110	6.5 - 8.25	3/4 x 18 x 3	30
	RSALP 12 4-5C	12	4.5 x 12	0.125	8.1	6.0	4.8	80	7.125 - 8.375	3/4 x 18 x 3	38
	RSALP 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	7.5 - 9.5	3/4 x 18 x 3	35
	RSALP 14 4-5C	14	4.5 x 14	0.125	5.8	4.2	3.3	60	6.5 - 8.5	3/4 x 18 x 3	42
	RSALP 14 5C	14	5 x 14	0.125	7.8	6.0	4.7	100	7.125 - 8.375	3/4 x 18 x 3	39
	RSALP 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	7.125 - 8.375	3/4 x 18 x 3	38
	RSALP 16 4-5C	16	4.5 x 16	0.125	4.2	2.8	2.1	50	7.5 - 9.5	3/4 x 18 x 3	46
	RSALP 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	7.5 - 9.5	3/4 x 18 x 3	46
	RSALP 18 4-5G	18	4.5 x 18	0.188	5.7	4.0	3.1	123	7.125 - 8.375	3/4 x 18 x 3	68
	RSALP 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.5 - 9.5	3/4 x 18 x 3	48
	RSALP 20 4-5G	20	4.5 x 20	0.188	4.3	2.9	2.1	95	7.125 - 8.375	3/4 x 18 x 3	74
	RSALP 20 5C	20	5 x 20	0.125	3.0	2.1	1.5	150	7.5 - 9.5	3/4 x 18 x 3	54



RSOA Base Cover



RSALP Base Cover



POLE DATA

NUMBER OF BOLTS	SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
RSOA 4-BOLT BASE	4"	7.5"	3.25"	13"	ABTEMPLATE PJ50070	AB18-0
	4.5"	7.5"	3.25"	8.5"	ABTEMPLATE PJ50070	AB18-0
	5"	7.5"	3.25"	9.25"	ABTEMPLATE PJ50070	AB18-0
RSALP 4-BOLT BASE	4"	6.5" - 8.25"	3.25"	8.75"	ABTEMPLATE PJ50057	AB18-0
	4.5"	7" - 8.5"	3.25"	8.5"	ABTEMPLATE PJ50040	AB18-0
	5"	7.5" - 8"	3.25"	7.5"	ABTEMPLATE PJ50071	AB18-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Brushed aluminum or anodized finish is not recommended.

PRODUCT INFORMATION

RTA

Round Tapered Aluminum



Intended Use
Round tapered aluminum general purpose pole for up to 39-foot mounting heights.

Construction
Shaft: The shaft is spun tapered from seamless 6063 alloy aluminum tubing and heat treated to a T6 temper. Circumferential satin-brushed finish. Round in cross-section down length of shaft and cone tapered to the butt diameter.

Anchor base: Cast from A356 aluminum alloy and

heat treated to T6 temper. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Ground-

ing hardware is not included (provided by others).

Hand hole: A nominal 3" x 5" or 4" x 6" reinforced flush covered hand hole is centered 18" above the base.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: A356 bolt covers included with anchor base unless otherwise specified.

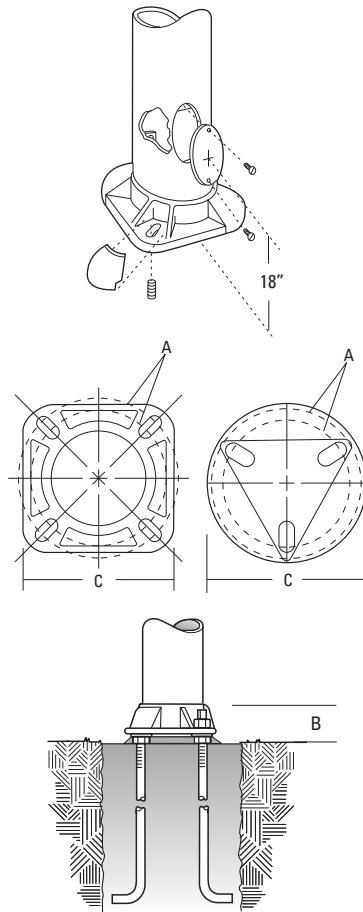
Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT³) WITH 1.3 GUST

NUMBER OF BOLTS	CATALOG NUMBER	NOM. MOUNT HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICKNESS (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX SHIP WT. (LBS.)
4-BOLT BASE	RTA 20 5C	20	5 x 3 x 19.66	0.125	3.9	2.5	1.6	100	7.5 - 9.5	3/4 x 18 x 3	62
	RTA 20 5G	20	5 x 3 x 19.66	0.188	7.4	5.2	3.8	100	7.5 - 9.5	3/4 x 18 x 3	72
	RTA 20 6G	20	6 x 4 x 19.66	0.188	12.2	9.2	7.2	214	9 - 10	3/4 x 30 x 3	107
	RTA 20 7E	20	7 x 4 x 19.66	0.156	15.0	11.4	9.0	256	9.875 - 11.25	1 x 36 x 4	103
	RTA 25 6E	25	6 x 4 x 24.66	0.156	5.3	3.6	2.6	114	9 - 10	3/4 x 30 x 3	106
	RTA 25 7E	25	7 x 4 x 24.66	0.156	9.5	7.0	5.4	162	9.875 - 11.25	1 x 36 x 4	120
	RTA 25 8E	25	8 x 4.5 x 24.66	0.156	14.2	10.9	8.5	220	11 - 12	1 x 36 x 4	130
	RTA 25 8G	25	8 x 4.5 x 24.66	0.188	18.0	13.8	10.9	261	11 - 12	1 x 36 x 4	153
	RTA 30 7E	30	7 x 4 x 29.66	0.156	5.5	3.8	2.7	111	9.875 - 11.25	1 x 36 x 4	135
	RTA 30 8E	30	8 x 4.5 x 29.66	0.156	9.4	7.0	5.3	151	11 - 12	1 x 36 x 4	150
	RTA 30 8G	30	8 x 4.5 x 29.66	0.188	12.4	9.4	7.3	179	11 - 12	1 x 36 x 4	175
	RTA 30 10G	30	10 x 6 x 29.66	0.188	23.8	18.3	14.3	377	14.25 - 16.25	1 x 40 x 4	235
	RTA 35 8E	35	8 x 4.5 x 34.66	0.156	5.8	4.1	2.9	119	11 - 12	1 x 36 x 4	185
	RTA 35 8G	35	8 x 4.5 x 34.66	0.188	8.3	6.0	4.5	141	11 - 12	1 x 36 x 4	220
	RTA 35 8J	35	8 x 4.5 x 34.66	0.250	12.9	9.7	7.5	183	11 - 12	1 x 36 x 4	251
	RTA 35 10G	35	10 x 6 x 34.66	0.188	17.9	13.6	10.4	295	14.25 - 16.25	1 x 40 x 4	268
	RTA 39 8G	39	8 x 4.5 x 38.66	0.188	5.6	3.9	2.7	122	11 - 12	1 x 36 x 4	250
	RTA 39 8J	39	8 x 4.5 x 38.66	0.250	9.7	7.1	5.4	158	11 - 12	1 x 36 x 4	280
	RTA 39 10G	39	10 x 6 x 38.66	0.188	14.2	10.5	7.8	253	14.25 - 16.25	1 x 40 x 4	295
RTA 39 10J	39	10 x 6 x 38.66	0.250	20.4	15.5	11.9	300	14.5 - 16	1-1/4 x 48 x 5	373	
3-BOLT BASE	3RTA 8 4C	8	4 x 3 x 8	0.125	12.1	9.3	7.3	75	6.5 - 7.25	3/4 x 18 x 3	23
	3RTA 10 4C	10	4 x 3 x 10	0.125	8.8	6.7	5.2	75	6.5 - 7.25	3/4 x 18 x 3	27
	3RTA 12 4C	12	4 x 3 x 12	0.125	6.6	4.8	3.6	75	6.5 - 7.25	3/4 x 18 x 3	31
	3RTA 14 4C	14	4 x 3 x 14	0.125	4.9	3.4	2.4	75	6.5 - 7.25	3/4 x 18 x 3	34
	3RTA 16 4C	16	4 x 3 x 16	0.125	3.5	2.3	1.5	75	6.5 - 7.25	3/4 x 18 x 3	38
	3RTA 16 5C	16	5 x 3 x 16	0.125	6.9	5.0	3.8	75	7.5 - 8.5	3/4 x 18 x 3	43
	3RTA 18 5C	18	5 x 3 x 18	0.125	5.0	3.5	2.5	150	7.5 - 8.5	3/4 x 18 x 3	47
	3RTA 18 5E	18	5 x 3 x 18	0.156	7.0	5.0	3.7	150	7.5 - 8.5	3/4 x 18 x 3	57
	3RTA 20 5C	20	5 x 3 x 20	0.125	3.8	2.5	1.6	150	7.5 - 8.5	3/4 x 18 x 3	50
	3RTA 20 5E	20	5 x 3 x 20	0.156	5.5	3.8	2.6	150	7.5 - 8.5	3/4 x 18 x 3	62



POLE DATA

NUMBER OF BOLTS	SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4-BOLT BASE	5"	7.5" - 9.5"	3.25"	9.25"	ABTEMPLATE PJ50032	AB18-0
	6"	9" - 10"	3.50"	10"	ABTEMPLATE PJ50033	AB30-0
	7"	9.875" - 11.25"	4.125"	10.5"	ABTEMPLATE PJ50034	AB36-0
	8"	11" - 12"	4.25"	11.5"	ABTEMPLATE PJ50035	AB36-0
	10"G	14.25" - 16.25"	4.50"	14.5"	ABTEMPLATE PJ50036	AB40-0
	10"J	14.5" - 16"	5.00"	14.5"	ABTEMPLATE PJ50063	AB48-0
3-BOLT BASE	4"	6.5" - 7.25"	3.25"	8.875"	ABTEMPLATE PJ50128	AB18-0
	5"	7.5" - 8.5"	3.25"	10.25"	ABTEMPLATE PJ50129	AB18-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- 2" x 4" hand hole used on 4" and some 5" shafts.
- 4" x 8" hand hole available on 8" shafts, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Three-bolt poles have drilling located midway between anchor bolts. Hand hole is located on opposite side of drilling. For special drillings, consult factory.

PRODUCT INFORMATION

Intended Use

Round tapered aluminum roadway pole with upsweep mast arm(s) for up to 40-foot mounting heights including rise of arm.

Construction

Shaft: Shaft is spun tapered from seamless 6063 alloy aluminum tubing and heat treated to a T6 temper. Circumferential satin-brushed finish. Round in cross-section down length of shaft and cone tapered to the base diameter. Arm: Body of the mounting arm is tapered aluminum

alloy 6063-T6 tube with 2-3/8" OD (2" NPS) pipe size at luminaire end. The pole end of the arm is welded to an aluminum alloy 6063-T6 mounting plate.

Mounting: Arm mounting plate bolts to the shaft using stainless steel bolts, nuts and washers. A grommet is provided for the 1-1/4" diameter wiring hole between the pole shaft and the bracket arm.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper. Base plate and shaft are

circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: A nominal 3" x 5" or 4" x 6" reinforced flush covered hand hole is centered 18" above the base.

Hardware: Stainless steel.

Top cap: Removable top cap provided.

Bolt covers: A356 bolt covers included with anchor base unless otherwise specified.

Finish: Must specify finish.

RTAU

Round Tapered Aluminum with Upsweep Mast Arms



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

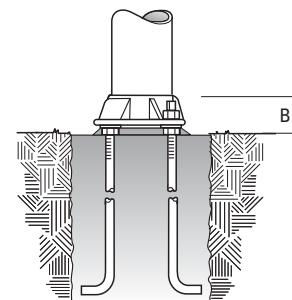
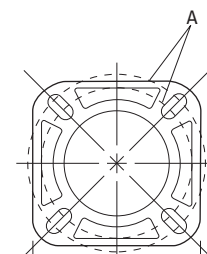
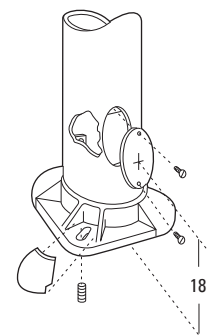
TECHNICAL INFORMATION

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	MTG. ARM LENGTH (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN.)	WALL THICK. (IN.)	EPA FT ² W/1.3 GUST UP TO 100 MPH (PER ARM)	MAX. WT. (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN.)	APPROX. SHIP WT. (LBS.)	
SINGLE-ARM POLES	RTAU 20 6E BMA US4	20	4	6 x 4.5	0.156	2	65	9" - 10"	3/4 x 30 x 3	90
	RTAU 20 6G BMA US6	20	6	6 x 4.5	0.188	2	65	9" - 10"	3/4 x 30 x 3	100
	RTAU 20 6G BMA US8	20	8	6 x 4.5	0.188	1.74	65	9" - 10"	3/4 x 30 x 3	105
	RTAU 25 7E BMA US4	25	4	7 x 4.5	0.156	2	65	10" - 11"	1 x 36 x 4	120
	RTAU 25 7G BMA US6	25	6	7 x 4.5	0.188	2	65	10" - 11"	1 x 36 x 4	140
	RTAU 25 8E BMA US8	25	8	8 x 4.5	0.156	1.74	65	11" - 12"	1 x 36 x 4	135
	RTAU 30 8E BMA US4	30	4	8 x 4.5	0.156	2	65	11" - 12"	1 x 36 x 4	150
	RTAU 30 8G BMA US6	30	6	8 x 4.5	0.188	2	65	11" - 12"	1 x 36 x 4	170
	RTAU 30 8G BMA US8	30	8	8 x 4.5	0.188	1.74	65	11" - 12"	1 x 36 x 4	175
	RTAU 35 8G BMA US4	35	4	8 x 4.5	0.188	2	65	11" - 12"	1 x 36 x 4	190
	RTAU 35 8J BMA US6	35	6	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	240
	RTAU 35 8J BMA US8	35	8	8 x 4.5	0.250	1.74	65	11" - 12"	1 x 36 x 4	245
	RTAU 40 8J BMA US4	40	4	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	255
	RTAU 40 8J BMA US6	40	6	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	260
	RTAU 40 10G BMA US8	40	8	10 x 6	0.188	1.74	65	14" - 15"	1 x 48 x 4	265
	DOUBLE-ARM POLES	RTAU 20 6G BMA 2US4	20	4	6 x 4.5	0.188	2	65	9" - 10"	3/4 x 30 x 3
RTAU 20 7E BMA 2US6		20	6	7 x 4.5	0.156	2	65	10" - 11"	1 x 36 x 4	120
RTAU 20 7G BMA 2US8		20	8	7 x 4.5	0.188	1.74	65	10" - 11"	1 x 36 x 4	140
RTAU 25 8E BMA 2US4		25	4	8 x 4.5	0.156	2	65	11" - 12"	1 x 36 x 4	140
RTAU 25 8E BMA 2US6		25	6	8 x 4.5	0.156	2	65	11" - 12"	1 x 36 x 4	145
RTAU 25 8G BMA 2US8		25	8	8 x 4.5	0.188	1.74	65	11" - 12"	1 x 36 x 4	170
RTAU 30 8G BMA 2US4		30	4	8 x 4.5	0.188	2	65	11" - 12"	1 x 36 x 4	175
RTAU 30 8J BMA 2US6		30	6	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	215
RTAU 30 8J BMA 2US8		30	8	8 x 4.5	0.250	1.74	65	11" - 12"	1 x 36 x 4	220
RTAU 35 10G BMA 2US4		35	4	10 x 6	0.188	2	65	14" - 15"	1 x 48 x 4	270
RTAU 35 10G BMA 2US6		35	6	10 x 6	0.188	2	65	14" - 15"	1 x 48 x 4	280
RTAU 35 10J BMA 2US8		35	8	10 x 6	0.250	1.74	65	14" - 15"	1 x 48 x 4	350
RTAU 40 10L BMA 2US4		40	4	10 x 6	0.219	2	65	14" - 15"	1 x 48 x 4	320
RTAU 40 10L BMA 2US6		40	6	10 x 6	0.219	2	65	14" - 15"	1 x 48 x 4	325
RTAU 40 10J BMA 2US8		40	8	10 x 6	0.250	1.74	65	14" - 15"	1 x 48 x 4	365

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
6"	9" - 10"	4.75"	9.75"	ABTEMPLATE PJ50033	AB30-0
7"	10" - 11"	4.75"	10.5"	ABTEMPLATE PJ50034	AB36-0
8"	11" - 12"	4.75"	11.25"	ABTEMPLATE PJ50035	AB36-0
10"	14" - 15"	5.25"	14"	ABTEMPLATE PJ50481	AB481-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Fixture's nominal mounting height is the sum of shaft length plus rise of upsweep arm.
- Three- and four-arm configurations available, consult factory.
- Truss and davit arms available, consult factory.
- Mounting options: (Txx) tenon and/or (DMxx) drilling may be added, consult factory.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Transformer bases and breakaway couplings available, consult factory.
- Three-bolt slip bases available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RSAH

Round Straight Aluminum, Hinged



Intended Use

Round straight aluminum hinged pole with 10-to 20-foot mounting heights. Good application where maintenance access is limited.

Construction

Shaft: One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. Round straight tube is uniform in cross-section down length of shaft with no taper.

Hinged anchor base: Cast from A356 aluminum

alloy and heat treated to T6 temper. Shaft and tilting section of the hinged base are circumferentially welded top and bottom. The tilting and anchored sections of the hinged base are joined by a 3/4" diameter solid aluminum pivot rod. The tilting section of the hinged base is held in a vertical position by three 1/2"-13 x 2" stainless steel hex head bolts that attach to stainless steel inserts cast into the aluminum base.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Anchor base plate is tapped for 3/8"-16 UNC grounding bolt (provided by others).

Hand hole: Available as an option; Located 90° to the right of the hinge.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes cast-aluminum two-piece cover.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

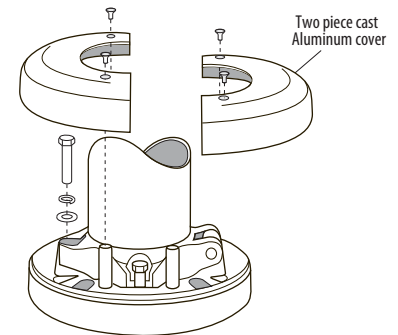
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS)
RSAH 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	8.5 - 10	3/4 x 18 x 3	43
RSAH 14 4C	14	4 x 14	0.125	4.4	3.0	2.1	100	8.5 - 10	3/4 x 18 x 3	50
RSAH 14 5E	14	5 x 14	0.156	10.6	8.2	6.5	100	8.5 - 10	3/4 x 18 x 3	66
RSAH 16 4C	16	4 x 16	0.125	3.1	1.9	1.2	100	8.5 - 10	3/4 x 18 x 3	54
RSAH 16 5C	16	5 x 16	0.125	6.2	4.7	3.6	100	8.5 - 10	3/4 x 18 x 3	60
RSAH 16 6E	16	6 x 16	0.156	13.8	10.7	8.5	100	8.5 - 10	3/4 x 30 x 3	88
RSAH 18 5C	18	5 x 18	0.125	4.5	3.3	2.5	130	8.5 - 10	3/4 x 18 x 3	65
RSAH 18 5G	18	5 x 18	0.188	8.2	6.2	4.9	130	8.5 - 10	3/4 x 18 x 3	90
RSAH 20 5C	20	5 x 20	0.125	3.2	2.2	1.6	130	8.5 - 10	3/4 x 18 x 3	69
RSAH 20 5G	20	5 x 20	0.188	6.4	4.8	3.7	130	8.5 - 10	3/4 x 18 x 3	97
RSAH 20 6G	20	6 x 20	0.188	11.7	9.0	7.1	130	8.5 - 10	3/4 x 30 x 3	110

POLE DATA

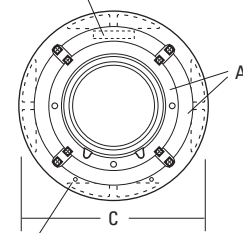
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"	8.5" - 10"	3.50"	12.625"	ABTEMPLATE PJ50060	AB18-0
5"	8.5" - 10"	3.50"	12.625"	ABTEMPLATE PJ50061	AB18-0
6"	8.5" - 10"	3.50"	12.625"	ABTEMPLATE PJ50062	AB30-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Hinge base poles without handholes will be drilled for the first fixture 90 degrees to the right of the hinge. When a handhole is specified as an adder, the first fixture drilling will be 90 degrees to the right of the handhole. If the customer has different fixture drilling orientation requirements, please specify that on the purchase order.

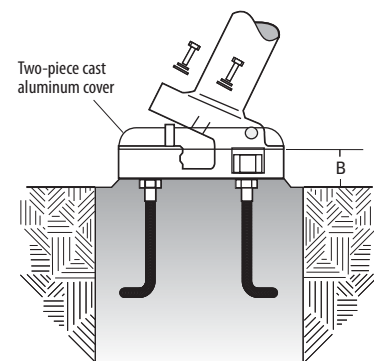


3/4" Solid aluminum pivot rod



Trapped 3/8" - 16 for ground connector

Hinge direction "A" side of pole



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Pole hinges at base.
- Consult factory if product must meet "Buy American" specifications.

Intended Use

Square straight aluminum hinged pole with 10- to 20-foot mounting heights. Good application where maintenance access is limited.

Construction

Shaft: Made from extruded 6063-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Hinged anchor base: Cast from A356 aluminum alloy and heat-treated to T6 temper. Shaft and tilting

section of the hinged base are circumferentially welded top and bottom. The tilting and anchored sections of the hinged base are joined by a 3/4" diameter solid aluminum pivot rod. The tilting section of the hinged base is held in a vertical position by three 1/2"-13 x 2" stainless steel hex-head bolts that attach to stainless steel inserts cast into the aluminum base.

Anchor bolts: Fabricated from carbon steel bar with

minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Anchor base plate is tapped for 3/8"-16 UNC grounding bolt (provided by others).

Hand hole: Available as an option; located 90° to the right of the hinge.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes cast-aluminum two-piece cover.

Finish: Must specify finish.

SSAH

Square Straight Aluminum, Hinged



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

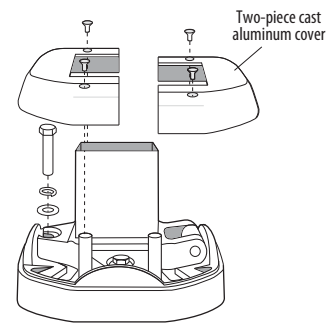
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSAH 10 4C	10	4 x 10	0.125	13.1	9.9	7.5	100	8.5 - 10	3/4 x 18 x 3	48
SSAH 12 4C	12	4 x 12	0.125	9.6	7.0	5.1	100	8.5 - 10	3/4 x 18 x 3	53
SSAH 14 4C	14	4 x 14	0.125	7.0	4.9	3.3	100	8.5 - 10	3/4 x 18 x 3	57
SSAH 15 4C	15	4 x 15	0.125	6.0	4.0	2.6	100	8.5 - 10	3/4 x 18 x 3	60
SSAH 16 4C	16	4 x 16	0.125	5.0	3.2	1.9	100	8.5 - 10	3/4 x 18 x 3	62
SSAH 16 4G	16	4 x 16	0.188	8.9	6.2	4.3	150	8.5 - 10	3/4 x 30 x 3	86
SSAH 18 4C	18	4 x 18	0.125	3.4	1.8	0.7	100	8.5 - 10	3/4 x 18 x 3	67
SSAH 18 4G	18	4 x 18	0.188	6.8	4.5	2.9	100	8.5 - 10	3/4 x 30 x 3	93
SSAH 18 5G	18	5 x 18	0.188	12.6	8.8	6.1	150	9.312 - 10	3/4 x 30 x 3	108
SSAH 20 4G	20	4 x 20	0.188	5.0	3.0	1.6	150	8.5 - 10	3/4 x 30 x 3	100
SSAH 20 5G	20	5 x 20	0.188	9.9	6.6	4.2	175	9.312 - 10	3/4 x 30 x 3	117

POLE DATA

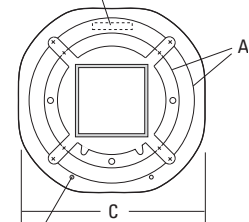
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"C	8.5" - 10"	3.5"	11.688"	ABTEMPLATE PJ50055	AB18-0
4"G	8.5" - 10"	3.5"	11.688"	ABTEMPLATE PJ50055	AB30-0
5"	9.312" - 10"	3.5"	11.688"	ABTEMPLATE PJ50056	AB30-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Hinge base poles without handholes will be drilled for the first fixture 90 degrees to the right of the hinge. When a handhole is specified as an adder, the first fixture drilling will be 90 degrees to the right of the handhole. If the customer has different fixture drilling orientation requirements, please specify that on the purchase order.

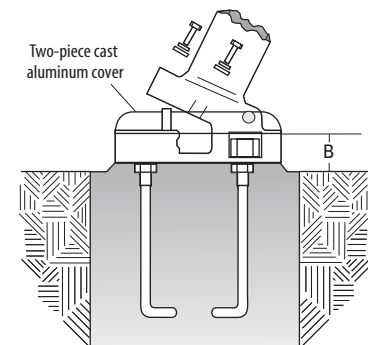


3/4" Solid aluminum pivot rod



Trapped 3/8" - 16 for ground connector

Hinge direction "A" side of pole



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Pole hinges at base.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RTF

Round Tapered Fiberglass



Intended Use
Round tapered fiberglass general purpose pole for up to 45 foot mounting heights.

Construction
Shaft: Reinforced composite shaft incorporating "E" type fiberglass and pigmented, UV inhibiting, thermosetting polyester resin. Shaft is painted with a polyurethane top coat providing a mini-

um 1.5 mil dry film thickness and smooth surface finish.

Anchor base: Heavy-duty metal base plate is permanently bonded to the outside of the fiberglass shaft.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are

galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Hand hole: Standard 2-1/2" x 5" hand hole opening with non-metallic oval shaped covers secured with vandal-resistant stainless steel 1/4" socket head screws.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Not included; Available as an optional accessory.

Finish: Must specify finish.

ADDITIONAL INFORMATION

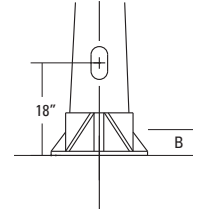
For ordering information see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	90 MPH	100 MPH	MAX. WT. (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RTF 10 5-4X	10	5.4 x 4.1 x 10	19.0	14.6	11.4	150	8	5/8 x 21 x 3	23
RTF 12 5-6X	12	5.6 x 4.1 x 12	16.0	12.1	9.3	150	8.5	5/8 x 21 x 3	28
RTF 14 5-9X	14	5.9 x 4.1 x 14	14.0	10.4	7.9	150	8.5	5/8 x 21 x 3	32
RTF 16 6-1X	16	6.1 x 4.1 x 16	10.0	7.4	5.5	100	8.5	5/8 x 21 x 3	36
RTF 20 6-6X	20	6.6 x 4.1 x 20	8.2	5.8	4.1	100	9.5	5/8 x 21 x 3	45
RTF 20 7-3X	20	7.3 x 4.6 x 20	14.4	11.1	8.9	200	11.5	1 x 36 x 4	62
RTF 25 6-7X	25	6.7 x 4.1 x 25	5.4	3.4	2.0	100	9.5	5/8 x 21 x 3	55
RTF 25 7-3X	25	7.3 x 4.6 x 25	9.6	7.3	5.7	200	11.5	1 x 36 x 4	75
RTF 30 8-4X	30	8.4 x 4.7 x 30	11.2	8.5	6.7	100	11.5	1 x 36 x 4	106
RTF 30 8-5X	30	8.5 x 4.9 x 30	15.6	12.0	9.5	200	11.5	1 x 36 x 4	140
RTF 30 10-5X	30	10.5 x 6.6 x 30	28.7	22.4	17.4	300	14.5	1-1/4 x 42 x 6	202
RTF 35 8-4X	35	8.4 x 4.7 x 35	5.5	3.8	2.7	100	11.5	1 x 36 x 4	125
RTF 35 8-5X	35	8.5 x 4.9 x 35	8.5	6.2	4.7	200	11.5	1 x 36 x 4	161
RTF 35 11-2X	35	11.2 x 6.6 x 35	21.8	16.6	12.5	300	15	1-1/4 x 42 x 6	248
RTF 40 11-7X	40	11.7 x 6.2 x 40	6.4	4.3	2.4	300	15.5	1-1/4 x 42 x 6	165
RTF 40 11-8X	40	11.8 x 6.4 x 40	12.2	8.8	6.0	300	15.5	1-1/4 x 42 x 6	227
RTF 40 12X	40	12.0 x 6.9 x 40	25.8	19.3	14.3	300	15.5	1-1/4 x 42 x 6	317
RTF 45 11-7X	45	11.7 x 6.2 x 45	3.9	2.2	0.6	300	15.5	1-1/4 x 42 x 6	183
RTF 45 11-9X	45	11.9 x 6.6 x 45	15.2	10.9	7.6	300	15.5	1-1/4 x 42 x 6	295

For pole data, see page 607.

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Standard and decorative base shrouds available, consult factory.
- Mast arms available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RTFDB

Round Tapered Fiberglass, Direct Burial



Intended Use
Round tapered direct-burial (embedded) fiberglass general purpose pole for up to 35-foot mounting heights.

Construction
Shaft: Reinforced composite shaft incorporating "E" type fiberglass and pigmented, UV inhibiting, thermosetting

polyester resin. Shaft is painted with a polyurethane top coat providing a minimum 1.5 mil dry film thickness and smooth surface finish.

Hand hole: Standard 2-1/2" x 5" hand hole opening with non-metallic oval shaped covers secured with vandal-

resistant stainless steel 1/4" socket head screws.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Finish: Must specify finish.

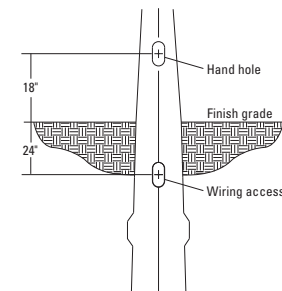
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	90 MPH	100 MPH	MAX. WT. (LBS.)	APPROX. SHIP WT. (LBS.)
RTFDB 18 6X	14	6.5 x 4.1 x 18	14.0	10.4	7.9	150	34
RTFDB 20 6-6X	16	6.7 x 4.1 x 20	10.0	7.4	5.5	100	38
RTFDB 24 6-7X	20	6.7 x 4.1 x 24	8.2	5.8	4.1	150	46
RTFDB 30 8-3X	25	8.2 x 4.5 x 30	6.2	4.7	3.6	100	71
RTFDB 30 8-4X	25	8.4 x 4.7 x 30	14.5	11.2	8.9	200	98
RTFDB 35 8-4X	30	8.4 x 4.7 x 35	10.5	8.0	6.2	200	116
RTFDB 35 8-5X	30	8.5 x 4.9 x 35	14.8	11.4	9.0	300	153
RTFDB 41 11-8X	35	11.8 x 6.4 x 41	14.3	10.8	7.8	300	218

INSTALLATION NOTES: Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Decorative base shrouds available, consult factory.
- Mast arms available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

SSF

Square Straight Fiberglass



Intended Use
Square straight fiberglass general purpose pole for up to 30-foot mounting heights.

Construction
Shaft: Reinforced composite shaft incorporating "E" type fiberglass and pigmented, UV-inhibiting, thermosetting polyester resin. Shaft is formed by the pultrusion process with fiberglass strands traversing the length of the pole.

Anchor base: Heavy-duty metal base plate is permanently bonded to the outside of the fiberglass shaft.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Hand hole: Standard 2-1/2" x 5" hand hole opening with non-metallic oval-shaped covers secured with vandal-resistant stainless steel 1/4" socket-head screws.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	80 MPH	90 MPH	100 MPH	MAX. WT. (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSF 6 4X	6	4 x 6	20.0	20.0	20.0	150	8	5/8 x 21 x 3	18
SSF 8 4X	8	4 x 8	20.0	20.0	20.0	150	8	5/8 x 21 x 3	23
SSF 10 4X	10	4 x 10	20.0	20.0	16.1	150	8	5/8 x 21 x 3	27
SSF 12 4X	12	4 x 12	20.0	16.4	12.8	150	8	5/8 x 21 x 3	31
SSF 14 4X	14	4 x 14	14.2	10.7	8.2	150	8	5/8 x 21 x 3	35
SSF 16 4X	16	4 x 16	11.9	8.8	6.5	150	8	5/8 x 21 x 3	39
SSF 20 4X	20	4 x 20	8.3	5.8	4.0	150	8	5/8 x 21 x 3	47
SSF 20 5X	20	5 x 20	14.9	11.1	8.4	300	11	1 x 36 x 4	102
SSF 25 4X	25	4 x 25	5.0	3.0	1.5	150	8	5/8 x 21 x 3	57
SSF 25 5X	25	5 x 25	10.6	7.6	5.4	300	11	1 x 36 x 4	125
SSF 30 5X	30	5 x 30	5.7	3.4	1.7	300	11	1 x 36 x 4	148
SSF 30 5XHD	30	5 x 30	8.6	5.1	2.6	300	11	1 x 36 x 4	164

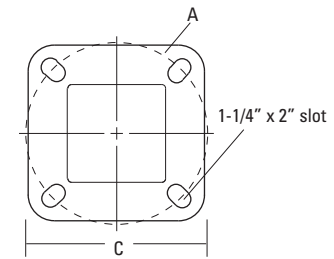
SSF POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"	8"	3"	7.41"	ABTEMPLATE PJ50123	AB21-0
5"	11"	4"	11.125"	ABTEMPLATE PJ50124	AB36-0

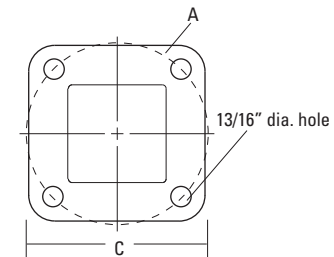
INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

RTF POLE DATA

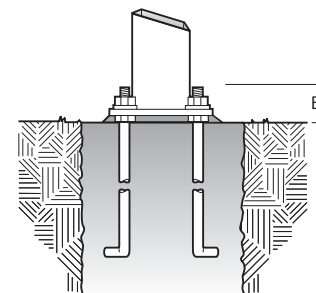
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION
5.4"	8"	3"	7.75"	PJ50108
5.6"	8.5"	3"	8.125"	PJ50109
5.9"	8.5"	3"	8.125"	PJ50110
6.1"	8.5"	3"	8.125"	PJ50111
6.6"	9.5"	3"	8.8"	PJ50112
6.7"	9.5"	3"	8.8"	PJ50113
7.3"	11.5"	4"	11"	PJ50114
8.4"	11.5"	4"	11"	PJ50115
8.5"	11.5"	4"	11"	PJ50116
10.5"	14.5"	4"	13.3"	PJ50117
11.2"	15"	4"	13.5"	PJ50118
11.7"	15.5"	4"	14"	PJ50119
11.8"	15.5"	4"	14"	PJ50120
11.9"	15.5"	4"	14"	PJ50121
12.0"	15.5"	4"	14"	PJ50122



SSF 5" Shaft



SSF 4" Shaft



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

STC

Square Tapered Concrete



Intended Use
Square tapered direct-bury (embedded) concrete pole for up to 40-foot mounting heights.

Construction
Shaft: Concrete mix has a minimum 28-day compressive strength of 8500 psi and conforms with ASTM-C150. Prestressing steel reinforcement is uncoated 7-wire, stress-relieved strand per ASTM-A416. Steel spiral reinforcement conforms to ASTM-A82 and is not less

than .120-inch (11-gauge) diameter with a maximum pitch of 6 inches. Poles have a continuous taper of 0.165 inches per foot.

Grounding: An 18" long, #4 stranded copper pigtail, connected to reinforced strand, is provided at pole top and at cable entrance below grade.

Hand hole: A 3" x 5" hand hole is located 24" above ground line and a 2-1/2" x 7" or larger conduit entrance is located 18" below ground line. Inserts for the hand

hole and conduit entrance are non-corrosive and weatherproof. Hand-hole frames and covers conform to ASTM-B240.

Hardware: Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Natural concrete finish.

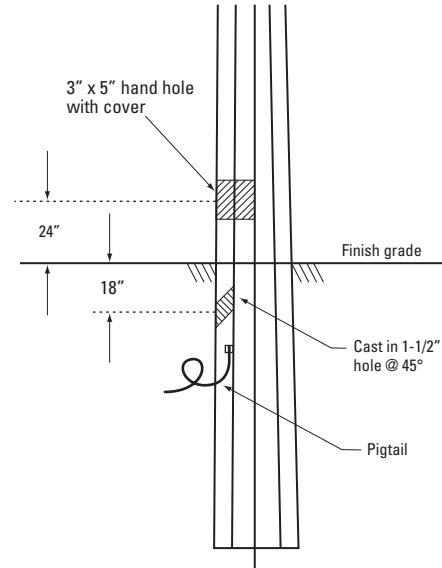
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	90 MPH	100 MPH	APPROX. SHIP WT. (LBS.)
STC 20 7-24X	15	7.24 x 4.0 x 20	22	16	13	680
STC 20 9-24X	16	9.24 x 6.0 x 20	48	37	29	1,110
STC 24 6-40X	20	6.4 x 6.4 x 24	3.5	3.5	3.5	917
STC 25 8-05X	20	8.05 x 4.0 x 25	21	16	12	985
STC 25 10-05X	20	10.05 x 6.0 x 25	44	34	26	1,530
STC 30 8-86X	25	8.86 x 4.0 x 30	20	15	11	1350
STC 30 10-86X	25	10.86 x 6.0 x 30	49	33	28	2,000
STC 35 9-67X	29	9.67 x 4.0 x 35	17	12	8	1,800
STC 35 11-67X	29	11.67 x 6.0 x 35	43	32	24	2,540
STC 35 6-40X	30	6.4 x 6.4 x 35	3.5	N/A	N/A	1,337
STC 35 7-25X	30	7.25 x 7.25 x 35	3.5	3.5	N/A	1,685
STC 36 8X	30	8.0 x 8.0 x 36	3.5	3.5	3.5	2,145
STC 40 12-48X	34	12.48 x 6.0 x 40	42	30	22	3,130
STC 45 13-29X	38	13.29 x 6.0 x 45	41	31	22	3,795
STC 46 8X	40	8.0 x 8.0 x 46	3.5	N/A	N/A	2,740
STC 47 9-25X	40	9.25 x 9.25 x 47	3.5	3.5	N/A	3,813

INSTALLATION NOTES: Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (Txx) tenon mount.
- When using drill mount fixtures, refer to options page for tenon mount slipfitters.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Stained color finish available, consult factory.
- Additional EPA may be achieved based on individual application.
- Actual burial depth depends on soil conditions.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Round tapered direct bury (embedded) concrete sports lighting pole for up to 100 foot mounting heights.

Construction

Shaft: Concrete mix has a minimum 28-day compressive strength of 11,000 PSI and conforms with ASTM-C150. Prestressing steel reinforcement is uncoated 7-wire, stress relieved strand per ASTM-A416. Steel spiral reinforcement conforms to ASTM-A82 and is not less

than .203 (5-gauge wire) diameter. Poles have a continuous taper of 0.216 inches per foot. Poles are centrifugally spun and round in cross-section with a hollow center.

Grounding: A continuous solid or stranded copper ground wire is cast into the pole. Wire terminates at top of pole to accept a 1/2" x24" lightning rod. Copper coupling, approximately 12" below grade, provides a 1/2 "

tapped insert at pole face for grounding hardware.

Hand hole: 4" x 8" hand hole is located 24" above ground line. 4" x 8" conduit entrance is located 18" below ground line. A 2-1/2" x 8" reinforced hand hole with flush cover is located at cage/crossarm locations. 1-1/2" coupling wire inlet/outlet is located opposite this hand hole. Inserts for hand hole and conduit entrance are non-corrosive and weatherproof.

Hand-hole frames and covers conform to ASTM-B240.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Finish: Natural concrete finish.

SPRTC

Round Tapered Concrete Sportlighting



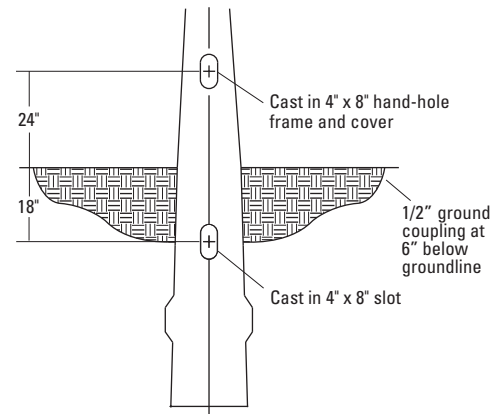
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	APPROX. SHIP WT. (LBS.)
SPRTC C6 45 7-17	38	16.47 x 6.75 x 45	31	620	24	480	18	360	3,400
SPRTC C5 45 7-17	38	16.47 x 6.75 x 45	39	780	30	600	23	460	3,400
SPRTC C4 45 7-17	38	16.47 x 6.75 x 45	52	1,040	40	800	31	589	3,450
SPRTC C4 60 7-20	50	19.71 x 6.75 x 60	47	893	35	665	26	520	5,450
SPRTC C2 60 9-22	50	21.78 x 8.82 x 60	85	1,615	65	1,235	48	912	7,950
SPRTC H1 60 9-22	50	21.78 x 8.82 x 60	138	2,622	101	1,919	80	1,520	8,100
SPRTC C3 70 9-24	60	23.94 x 8.82 x 70	56	1,064	42	798	32	608	9,900
SPRTC C1 70 9-24	60	23.94 x 8.82 x 70	90	1,710	69	1,311	52	988	10,100
SPRTC H2 70 10-24	60	23.94 x 8.82 x 70	139	2,641	103	1,957	81	1,539	10,400
SPRTC C2 80 9-26	68	26.1 x 8.82 x 80	63	1,197	45	855	34	646	12,300
SPRTC C1 80 9-26	68	26.1 x 8.82 x 80	85	1,445	65	1,105	48	816	12,300
SPRTC H2 80 10-26	68	26.1 x 8.82 x 80	136	2,584	101	1,919	79	1,501	12,800
SPRTC C2 90 9-28	77	28.26 x 8.82 x 90	54	1,026	39	741	28	532	14,850
SPRTC C1 90 9-28	77	28.26 x 8.82 x 90	78	1,482	56	1,064	42	798	14,950
SPRTC H2 90 10-28	77	28.26 x 8.82 x 90	132	2,508	97	1,843	75	1,425	15,350
SPRTC C1 105 9-32	91	31.5 x 8.82 x 105	70	1,330	49	931	35	665	19,250
SPRTC H1 105 9-32	91	31.5 x 8.82 x 105	99	1,881	74	1,406	54	1,026	19,450
SPRTC H3 105 11-34	91	33.68 x 11.0 x 105	144	2,736	105	1,995	80	1,520	22,050
SPRTC C1 115 9-34	100	33.66 x 8.82 x 115	65	1,235	45	855	31	589	22,350
SPRTC H1 115 9-34	100	33.66 x 8.82 x 115	96	1,824	70	1,330	50	950	22,550
SPRTC H2 115 10-34	100	33.66 x 8.82 x 115	125	2,375	91	1,729	69	1,311	22,800

INSTALLATION NOTES: Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Crossarms, see page 610.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Platform cages with pole steps available, consult factory.
- Stained color finish available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

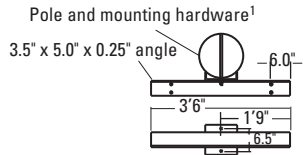
ANGLE IRON CROSSARMS

Concrete or Wood Sportslighting Poles

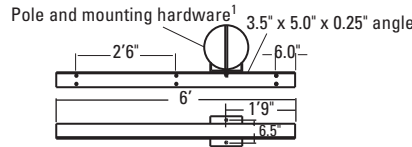
Intended Use
For use on round, tapered concrete or wood sportslighting poles. Projected area is for the crossarm only. The crossarm

projected area is added to the luminaire projected area to get a total effective projected area (EPA).

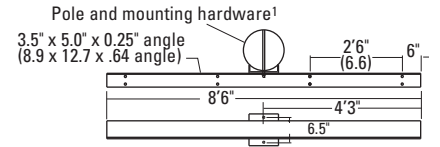
ORDERING INFORMATION



ACRCW2, 2-Fixture Angle Arm

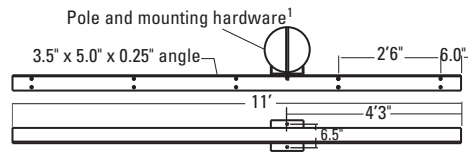


ACRCW3, 3-Fixture Angle Arm

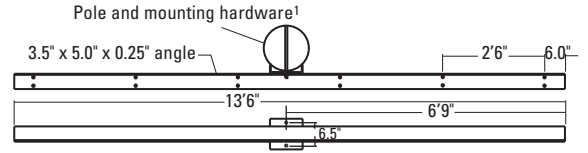


ACRCW4, 4-Fixture Angle Arm

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
ACRCW2	1.80	50.0
ACRCW3	3.00	86.0
ACRCW4	4.50	121.0
ACRCW5	5.70	157.0
ACRCW6	7.00	193.0



ACRCW5, 5-Fixture Angle Arm



ACRCW6, 6-Fixture Angle Arm

Notes

1 Angle iron crossarms can be used with other poles if ordered with the pole.

PRODUCT INFORMATION

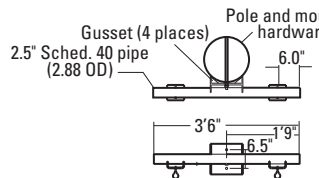
PRE-WIRED TUBULAR CROSSARMS

Concrete or Wood Sportslighting Poles

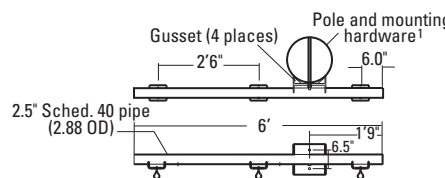
Intended Use
For use on round, tapered concrete or wood sportslighting poles. Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected

area to get a total effective projected area (EPA). **Use in conjunction with CV3P luminaire options.**

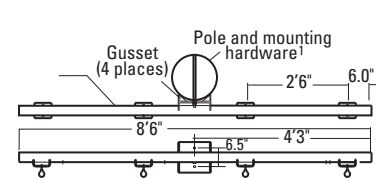
ORDERING INFORMATION



SPXCW2, 2-Fixture Angle Arm

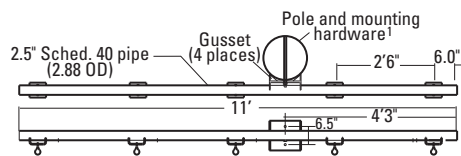


SPXCW3, 3-Fixture Angle Arm

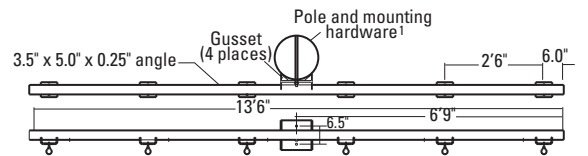


SPXCW4, 4-Fixture Angle Arm

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
SPXCW2	1.00	23.5
SPXCW3	1.80	40.0
SPXCW4	2.50	56.5
SPXCW5	3.20	73.0
SPXCW6	3.90	89.5



SPXCW5, 5-Fixture Angle Arm



SPXCW6, 6-Fixture Angle Arm

Notes

1 Pre-wired tubular crossarms can be used with other poles if ordered with the pole.

SSWDB

Square Straight Wood, Direct Burial



Intended Use

Square straight laminated wood pole for up to 35 foot mounting heights. Especially suited for residential, recreational and resort developments, parks, playgrounds and paths to provide functional lighting by night and attractive landscaping by day.

Construction

Shaft: L1 laminate grade West Coast Douglas Fir for strength and appearance. Construction grade on all exposed wide faces per WCLIB Grading Rules.

Lamination utilizes adhesives meeting or exceeding the exterior durability performance requirements of most recent revision of U.S. Commercial Standard ANSI/AITC A190.1-1983. A raceway access hole for underground wiring is centered 2'6" below ground line and rises 30° to vertical. If required, above ground junction boxes of various types can be used. Available shaft widths are 4, 5, 6 and 7 inches.

Surface finish, appearance and tolerance: Laminations are kiln dried to average

moisture content of 14.5% +/- 2.5% before surfacing. Open defects such as knot holes exceeding 1/2" in diameter or wane exceeding 1/4" x 12" are filled with woodfiller. Sides are surfaced four faces with edges eased to 3/8" radius. Tolerances are from +0 to -1/8" for width and thickness and +/- 1/4" in length.

Preservative treatment: Standards are treated with 6% pentachlorophenol borne in light hydrocarbon solvent in conformance with AWPA Standards to a minimum net

retention of 0.60 pounds per cubic foot of penta. All Standards are incised on all four sides to 3/4" in depth from butt to 12" above indicated ground mark.

Wrapping: Lighting standards are individually wrapped using 2-ply laminated paper lumber wrap with waterproof ply on outside to protect poles.

Top cap: Metal top cap is provided unless fixture is tenon mounted.

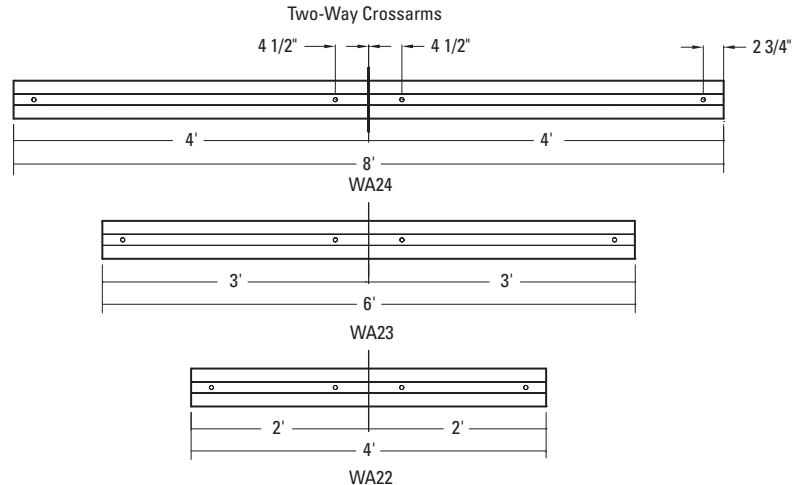
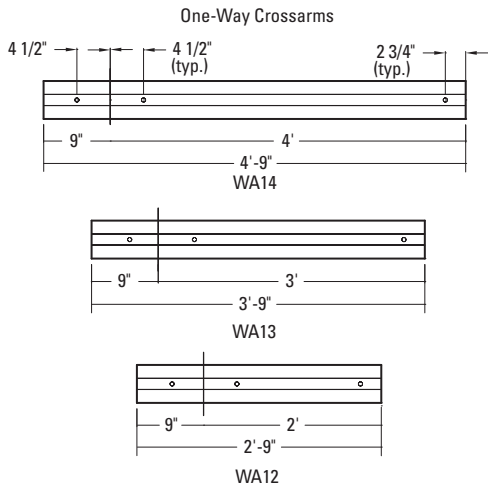
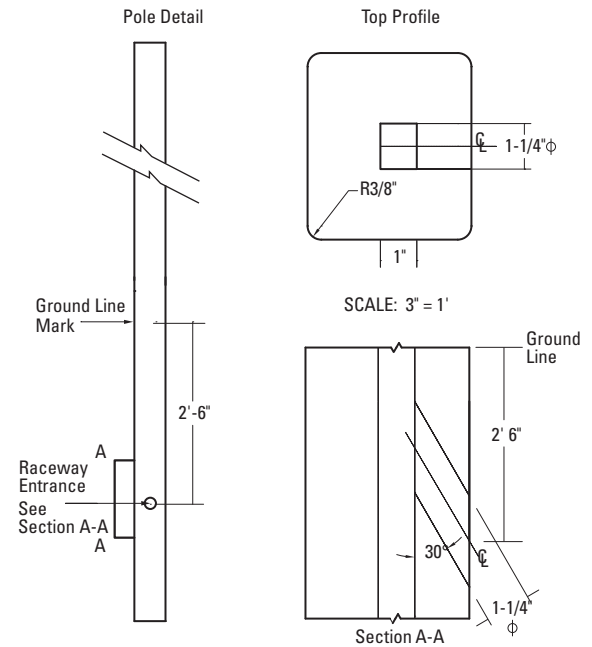
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT ²) WITH 1.3 GUST									
CATALOG NUMBER	NOM. MOUNT HT. (FT.)	POLE SHAFT SIZE (IN. X IN. X FT.)	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	APPROX. SHIP WT. (LBS.)
SSWDB 10 4X	10	4.5 x 5.125 x 13.5	16.42	150	11.62	150	9.22	150	80
SSWDB 12 4X	12	4.5 x 5.125 x 15.5	12.62	150	6.72	150	6.62	150	85
SSWDB 15 4X	15	4.5 x 5.125 x 19	8.52	150	5.32	150	3.72	150	110
SSWDB 15 5X	15	5.125 x 6 x 19.5	19.42	150	13.9	150	10.22	150	130
SSWDB 20 4X	20	4.5 x 5.125 x 24.5	3.92	150	-	-	-	-	140
SSWDB 20 5X	20	5.125 x 6 x 25	11.62	150	7.02	150	4.72	150	200
SSWDB 20 6X	20	6 x 6.75 x 30	21.42	150	14.22	150	10.62	150	260
SSWDB 25 5X	25	5.125 x 6 x 30	6.32	150	2.62	150	-	-	250
SSWDB 25 6X	25	6 x 6.75 x 30	13.82	150	8.02	150	5.12	150	300
SSWDB 30 6X	30	6 x 6.75 x 36	8.02	150	3.22	150	-	-	400
SSWDB 35 7X	35	6.75 x 7.5 x 41.5	8.02	150	2.32	150	-	-	730

WOODEN CROSSARM			
CATALOG NUMBER	DESCRIPTION	EPA (FT ²)	WEIGHT (LBS.)
WA12	2' single-fixture arm	0.86	33
WA13	3' single-fixture arm	1.29	37
WA14	4' single-fixture arm	1.72	42
WA22	2' two-fixture arm	1.51	42
WA23	3' two-fixture arm	2.37	50
WA24	4' two-fixture arm	3.23	59

INSTALLATION NOTES: Do not erect poles without having fixtures installed. Metal cap must be installed unless fixture is top mounted. Poles are directly embedded in firm soil. Under heavy load, or in poor soil conditions, concrete embedment may be required. For parking lot installations, poles can be fitted with bumper protection devices or a concrete collar. Embedment depth determined by local codes and soil conditions; designed by others.

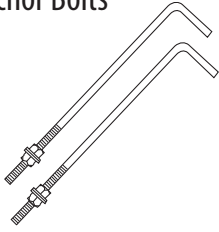


Notes

- Mounting arrangement: (Txx) tenon, (DMxx) side drilled or crossarm.
- Standard and custom stained finishes available, consult factory.
- Standard and custom colors for hardware available, consult factory.
- Natural untreated cedar poles available, consult factory.
- Hexagonal, curved top and reveal poles available, consult factory.
- Anchor base option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

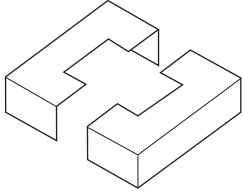
PRODUCT INFORMATION

Anchor Bolts



Available in various sizes for use with Lithonia lighting poles. Set includes hex nuts and washers. Anchor bolt is partially galvanized for exposed threads per ASTM-A153. Bolts have minimum-yield strength rating of 55,000 psi, AASHTO M314 GR55. See individual pole catalog pages for anchor bolt sizes and description.

Base Covers



Two-piece, full-base cover. Four fasteners provided to secure pieces together. Finished to match pole. Shipped separately. Standard with steel poles only.

CATALOG NUMBER	POLE	SQUARE X DEPTH
SBC4	SSS 4"	8.75" x 5.0"
SBC5	SSS 5"	11.50" x 6.0"
SBC6	SSS 6"	12.75" x 5.6"

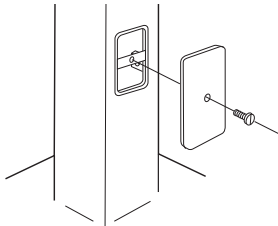
For full-base cover on other poles, must order FBC. When ordering separately, specify full pole nomenclature; i.e., FBC for RTA 25 7E. Also specify if pole is existing.

Festoon Outlets

Provision provided for mounting duplex outlet. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CATALOG NUMBER	DESCRIPTION
FDL	Festoon duplex outlet, less electric

Hand-Hole Cover Plates



SSS HHC: Order as hand-hole cover for full pole description. Also specify if pole is existing.

Tenon Dimensions

TENON MOUNTING SLIPFITTERS ORDER SEPARATELY							
		NUMBER OF FIXTURES					
		ONE	TWO @180°	TWO @90°	TWO @120°	THREE @90°	FOUR @90°
TENON OD	2-3/8"	T20-190	T20-280	T20-290	T20-320	T20-390	T20-490
	2-7/8"	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
	4"	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490
AERIS™	2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
	2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Couplings & Nipples

Threaded couplings and/or nipples must be factory installed. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
CPL12	1/2" threaded coupling	NPL12	1/2" threaded nipple
CPL34	3/4" threaded coupling	NPL34	3/4" threaded nipple
CPL1	1" threaded coupling	NPL1	1" threaded nipple

Horizontal Arm Bracket



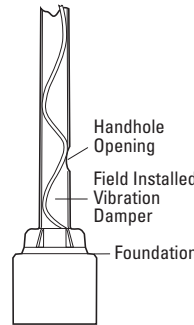
Single or twin side-mounted horizontal arm brackets for additional luminaires. Made from 2-3/8" pipe. Upright is 18" from pole; special arm lengths may be available upon request. Arms are rated for luminaires up to 4.5 sq. ft. EPA and 100 lbs. per arm. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CATALOG NUMBER	MATERIAL	EPA (FT²)	WEIGHT (LBS)
H1-18A	Aluminum	.43	7
H1-18S	Steel	.50	11
H1-18F	Fiberglass	.45	8
H1-18C	Concrete	.55	9

Notes

SSS and SSA arm attachment is slightly different from RTA. Arm modifications located on pole to accept arms. Arms shipped as separate item.

VD-Vibration Damper

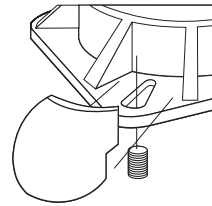


It has been found that low steady winds sometimes induce second mode vibration in lighting poles. Second mode vibration is characterized by the maximum periodic motion occurring at approximately the mid-height of the pole. This type of vibration can result in failure of the pole and/or luminaire. There is no method of predicting destructive light pole vibration.

Notes

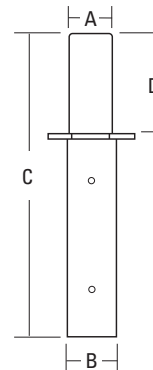
- 1 FVD – Field installable vibration damper available upon request. Consult factory.
- 2 For more information on the effects of vibrations, visit www.lithonia.com.

Nut Covers



Four nut covers are standard for RSA, RTAU, RTS, RTSU and RTA poles only.

Bolt-On Tenon



CATALOG NUMBER	A	B	C	S	WEIGHT (LBS)
SBT-4S	2-3/8"	3"	13-3/4"	5"	7
SBT-5S	2-3/8"	4"	13-3/4"	5"	8
SBT-6S	2-3/8"	5"	13-3/4"	5"	17

Notes

If ordering for existing pole, must order as MAEX and include original order number.

Tamperproof Screws

Order as TP. Tamperproof screws provided with hand-hole covers.

PRODUCT INFORMATION

Some pole options require designating the orientation from the hand hole and height from the pole base must be specified when ordering the pole. The orientation from the hand hole is designated by the pole sides A, B, C or D. The height on the pole shaft is designated by the distance from the pole base.

POLE ORIENTATION

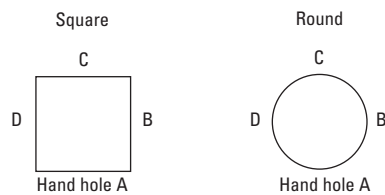
Example: HA12B

ORDERING INFORMATION

Series/Height/Orientation

Series	Height	Orientation
HA Horizontal arm	Height from base in ft.	A Side of the pole with the hand hole
FDL Festoon outlet- less electrical	Determined by application.	B Side of the pole 90° counterclockwise from the hand hole (right)
CPL12 1/2" coupling		C Side of the pole 180° counterclockwise from the hand hole (opposite)
CPL34 3/4" coupling		D Side of the pole 270° counterclockwise (or 90° clockwise) from the hand hole (left)
CPL1 1" coupling		
NPL12 1/2" threaded nipple		
NPL34 3/4" threaded nipple		
NPL1 1" threaded nipple		
EHH Extra hand hole		
PT Open top		
T20 2-3/8" tenon		
T25 2-7/8" tenon		
T30 3-1/2" tenon		
T35 4" tenon		
MAEX Match existing		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

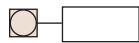
Examples:

- SSS 25 5G with one arm-mount fixture and two floodlights on horizontal arm brackets. Floodlights are to be 180° from each other, 90° from the shoebox and 12 feet above the base.
- RTA 30 8G with two arm-mount fixtures at 180°, one floodlight on a horizontal arm bracket and a 1/2" coupling. Floodlight is to be opposite hand hole and 6 feet from top of pole. Coupling should be 10 feet from top, same side as floodlight.
- SSS 20 4C with a 2-3/8" tenon and festoon outlet 90° left of the hand hole, 5 feet above the base.

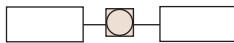
Order as: SSS 25 5G DM19 HA12A HA12C

Order as: RTA 30 8G DM28 HA24C 12CP20C

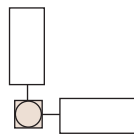
Order as: SSS 20 4CT20 FDL5D

Drill Mounting Options¹

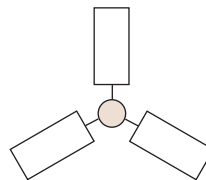
DM19
DM19AS
DM19AST1
DM19AST2
DM19KADT



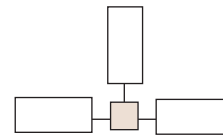
DM28
DM28AS
DM28AST1
DM28AST2
DM28KADT



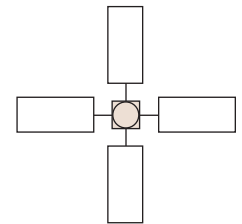
DM29³
DM29AS³
DM29AST1³
DM29AST2³
DM29KADT³



DM32²
DM32AS²
DM32AST1²
DM32AST2²
DM32KADT²



DMA39³
DM39AS³
DM39AST1³
DM39AST2³
DM39KADT³



DM49³
DM49AS³
DM49AST1³
DM49AST2³
DM49KADT³

Notes

- AS denotes Aeris™ luminaire, AST1/AST2 denotes Aeris suspend size 1 or 2 and KADT denotes KAD suspend.
- Available with round pole only.
- Reference fixture page for minimum arm length required when mounting 2 or more fixtures at 90°.

PRODUCT INFORMATION

ALUMINUM BRACKETS

Round Poles Only

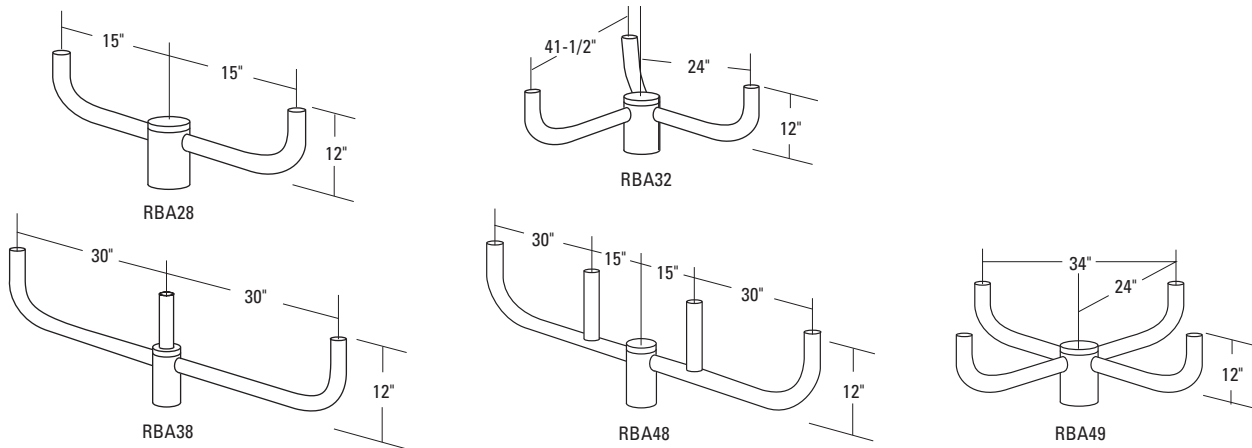
Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA).

All brackets have a maximum luminaire rating per tenon as specified in the data table.
Finish: Natural aluminum.

Optional painted finishes available. Plastic cap supplied.
Brackets mount to T25 tenon 2-7/8" OD, or pole top that is 2-7/8" OD.

ORDERING INFORMATION

CATALOG NUMER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT/ARM (LBS)	MAX FIXTURE EPA/ARM @ 80 MPH	MAX FIXTURE EPA/ARM @ 90 MPH	MAX FIXTURE EPA/ARM @ 100 MPH
RBA28	1.3	8.4	100	6.0	6.0	5.3
RBA32	1.7	14.3	100	6.0	6.0	4.8
RBA38	2.0	11.9	100	6.0	5.2	4.1
RBA48	2.8	16.2	75	3.5	2.6	2.0
RBA49	2.2	17.5	100	6.0	6.0	4.8



PRODUCT INFORMATION

ALUMINUM BRACKETS

Square Poles Only

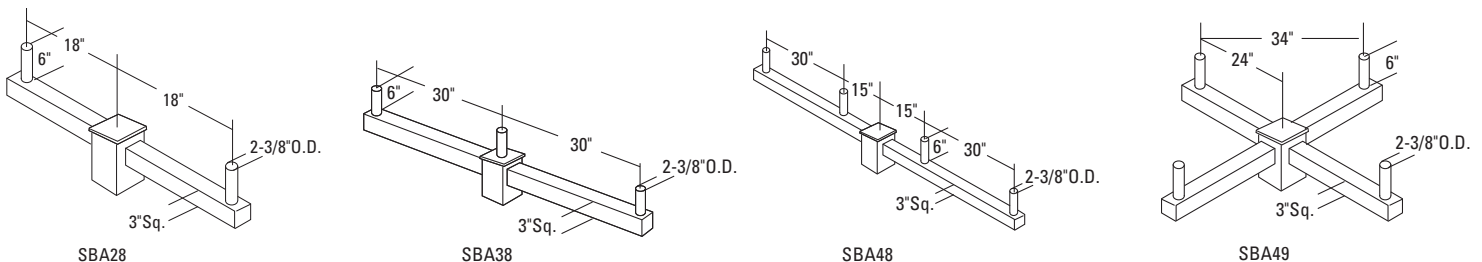
Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA).

All brackets have a maximum luminaire rating per tenon as specified in the data table.
Finish: Natural aluminum.
Optional painted finishes available.

Plastic cap supplied. Brackets flush mount on 4", 5" and 6" square poles. For use with internal sleeve, plain open-top poles, Lithonia Lighting poles only. **Must be ordered with pole to ensure proper fit.**

ORDERING INFORMATION

CATALOG NUMER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT/ARM (LBS)	MAX FIXTURE EPA/ARM @ 80 MPH	MAX FIXTURE EPA/ARM @ 90 MPH	MAX FIXTURE EPA/ARM @ 100 MPH
SBA28-4	0.9	12.0	100	6.0	6.0	6.0
SBA28-5	0.9	12.0	100	6.0	6.0	6.0
SBA28-6	0.9	12.0	100	6.0	6.0	6.0
SBA38-4	1.5	17.0	100	6.0	6.0	6.0
SBA38-5	1.5	17.0	100	6.0	6.0	6.0
SBA38-6	1.5	17.0	100	6.0	6.0	6.0
SBA48-4	2.3	22.0	75	4.0	4.0	4.0
SBA48-5	2.3	22.0	75	4.0	4.0	4.0
SBA48-6	2.3	22.0	75	4.0	4.0	4.0
SBA49-4	1.7	22.0	100	6.0	6.0	6.0
SBA49-5	1.7	22.0	100	6.0	6.0	6.0
SBA49-6	1.7	22.0	100	6.0	6.0	6.0



Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA). All brackets have a maximum luminaire rating per tenon as specified in the data table.

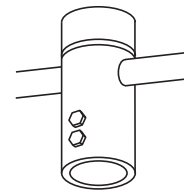
Finish: Dark bronze, standard. Other colors available (consult factory). Plastic cap supplied. Requires T20 Tenon OD 2-3/8" - I.D. 2".

STEEL BRACKETS

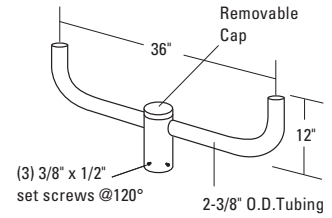
Round Poles Only

ORDERING INFORMATION

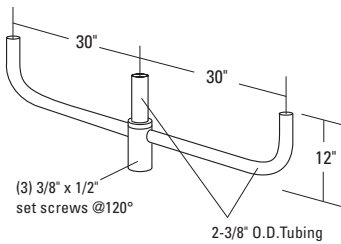
CATALOG NUMBER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT / ARM (LBS)	MAX FIXTURE EPA / ARM @ 80 MPH	MAX FIXTURE EPA / ARM @ 90 MPH	MAX FIXTURE EPA / ARM @ 100 MPH
BS28	1.0	21.0	150	11.0	8.5	7.3
BS32	1.3	34.0	150	7.2	5.5	4.7
BS38	1.6	32.0	150	7.1	5.5	4.7
BS48	2.3	44.0	125	5.4	4.1	3.4
BS49	1.6	44.0	150	5.3	4.1	3.5



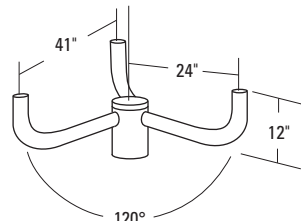
Standard Hub



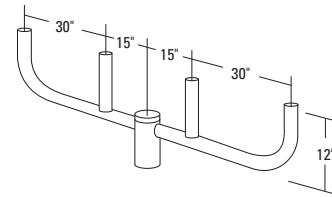
BS28



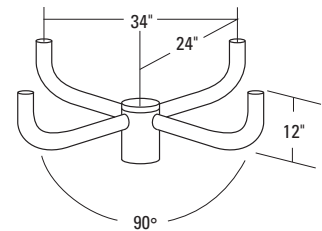
BS38



BS32



BS48



BS49

PRODUCT INFORMATION

Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA). All brackets have a maximum luminaire rating per tenon as specified in the data table.

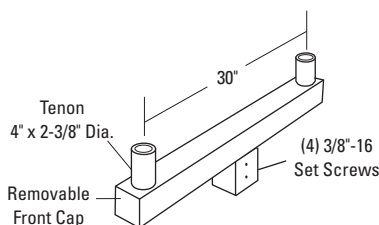
Finish: Dark bronze, standard. Requires T20 (2-3/8" max OD) tenon on pole for mounting.

STEEL BRACKETS

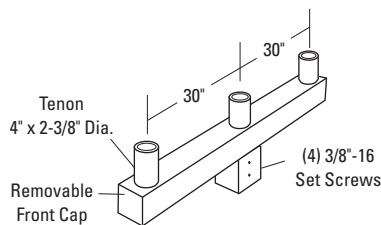
Square Poles Only

ORDERING INFORMATION

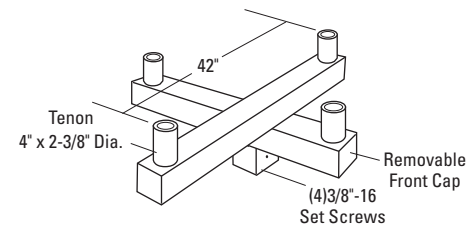
CATALOG NUMBER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT / ARM (LBS)	MAX FIXTURE EPA / ARM @ 80 MPH	MAX FIXTURE EPA / ARM @ 90 MPH	MAX FIXTURE EPA / ARM @ 100 MPH
SBS28	1.1	30.0	250	13.0	10.2	8.2
SBS38	1.7	42.0	150	8.5	6.6	5.5
SBS49	2.1	45.0	150	6.3	5.0	4.0



SBS28



SBS38



SBS49