

JOB _____ TYPE _____
 NOTES _____ APPROVALS _____

FEATURES

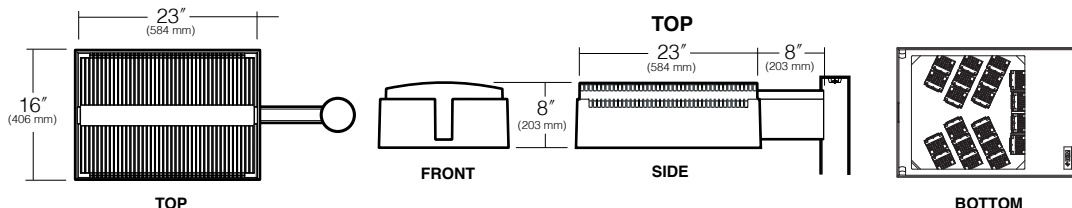
- Full Cutoff PicoPrism technology
- Patented low profile luminaire¹
- Available in 580nm, 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 5, R, L distributions
- 0-10V dimming drivers standard
- Sealed optical chamber, IP66 certified

Certifications



3000K and warmer CCTs only

SPECIFICATIONS



Max. Weight = 45 lbs. EPA 1.8 for 1A.
 See Configuration for Additional EPAs.

ORDERING CODE

Configuration	EPA	Housing	Distribution	Drive Current	Source	Color Temperature ²	Voltages	Fixture Finish
1A	1.8	ET Large, 80 LEDs 94W (350mA) 188W (700mA)	1 Type I	P35 350mA PicoPrism	80L 80 LEDs	2K 580nm ³	120 120V ¹	BL Black
2B	3.6		2 Type II	P70 700mA PicoPrism		3K 3000K	208 208V ¹	DB Dark Bronze
2L	2.6		3 Type III			4K 4000K	240 240V ¹	GT Graphite
3T	4.1		4 Type IV			5K 5000K	277 277V ¹	LG Light Gray
3Y*	4.1		5 Type V				347 347V ⁴	PS Platinum Silver
4C	4.7		R Type R, Right				480 480V ⁴	TT Titanium
1W	n/a	L Type L, Left				WH White	CC Custom Color*	
HSF	n/a							

*Available round poles only. EPA is for Fixture only

Photocell Options	Fuse Options	NFO Option	Optional Entablatures	Controls
A25-7 7-pin Photocell Receptacle	SF 120, 277, 347 Line Volts	NFO Neighbor Friendly Optic. Photometry available for Type III/IV. All others, consult factory.	A1 Arch	<u>Wireless</u> WIR-RMI-IO 120-347V, 1000' range, WiScape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities.
A30 120V Button Photocell	DF 208, 240, 480 Line Volts		A2 Broken Arch	<u>Motion</u> SCL-R Round Pole Mounted Occupancy Sensor up to 16'
A31 208V Button Photocell			A3 Stepped Arch	SCL-S Square Pole Mounted Occupancy Sensor up to 16'
A32 240V Button Photocell			A4 Stepped Brock Arch	SCH-R Round Pole Mounted Occupancy Sensor 16' to 30'
A33 277V Button Photocell			A5 Standard Entablature	SCH-S Square Pole Mounted Occupancy Sensor 16' to 30'
A34 480V Button Photocell			P6 Peak	
A35 347V Button Photocell			P7 Broken Peak	
			P8 Stepped Peak	
			P9 Stepped Broken Peak	
			P10 Stepped	

Mounting Options

VSF Vertical Slipfitter Mount for 2" pipe tenon, (2-3/8" O.D.)	Side Arm Mount 3 3" O.D. Pole
SVSF Vertical Slipfitter Mount square for 2" pipe tenon, (2-3/8" O.D.)	3.5 3.5" O.D. Pole
	4 4" O.D. Pole
	5 5" O.D. Pole
	6 6" O.D. Pole
	SQ Square Pole

¹ US Patent No. D568,521 S. Other patents pending.
² For custom optics and color temperature configurations, contact factory.
³ Turtle friendly. Maximum 500mA drive current for 2K amber option.
⁴ 347V & 480V currents may be supplied with step-down transformer.

Kim Lighting reserves the right to change specifications without notice.

Spectroradiometric			
	3000K Average	4000K Average	5000K Average
Color Rendering Index (CRI)	≥75	≥70	≥65
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance		
mA	50,000 hrs	100,000 hrs
350 mA	96.58%	94.30%
700 mA	91.99%	86.88%

Electrical Drive Current					
350mA			700mA		
Volts - AC	Amps - AC	System Watts	Volts - AC	Amps - AC	System Watts
120	0.78	94	120	1.57	188
208	0.45	94	208	0.90	188
240	0.39	94	240	0.78	188
277	0.34	94	277	0.68	188
347	0.27	94	347	0.54	188
480	0.20	94	480	0.39	188

B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B2 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G3
4000K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G3
5000K	B4 U0 G4	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G3	B0 U0 G3	B3 U0 G2	B3 U0 G3

Absolute Lumens for 350mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	7231	7175	7029	6205	7083	6398	7275	7091
4000K	9351	9278	9191	8023	9159	8273	9407	9169
5000K	9641	9566	9476	8272	9443	8530	9699	9453

B.U.G. Rating for 700mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	N/A	N/A	B4 U0 G2	B3 U0 G3
4000K	B4 U0 G4	B4 U0 G4	B3 U0 G4	B3 U0 G4	B1 U0 G4	B0 U0 G4	B4 U0 G2	B3 U0 G3
5000K	B4 U0 G4	B4 U0 G4	B3 U0 G4	B3 U0 G4	B1 U0 G4	B0 U0 G4	B4 U0 G2	B3 U0 G3

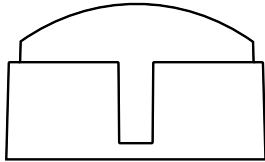
Absolute Lumens for 700mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	12962	12862	13448	11960	12708	11511	13597	12570
4000K	15600	15479	16185	14393	15294	13853	16364	15128
5000K	17055	16923	17695	15736	16721	15146	17891	16540

LED performance and lumen output continues to improve at a rapid pace. Log onto www.kimlighting.com to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.

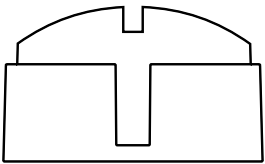
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Optional Entablatures (Entabs)

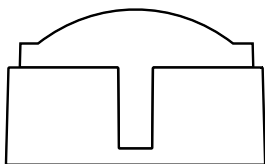
Arched Entablatures



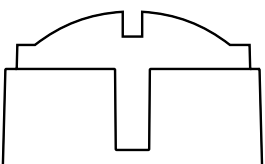
Arch Cat. No. **A1**



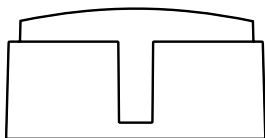
Broken Arch Cat. No. **A2**



Stepped Arch Cat. No. **A3**

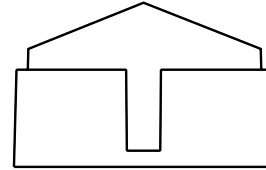


Stepped Broken Arch Cat. No. **A4**

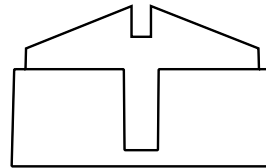


Standard Entablature
 Follows fixture body profile Cat. No. **A5**

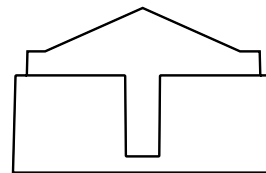
Peaked Entablatures



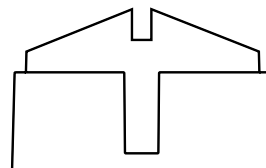
Peak Cat. No. **P6**



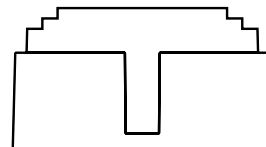
Broken Peak Cat. No. **P7**



Stepped Peak Cat. No. **P8**



Stepped Broken Peak Cat. No. **P9**



Stepped Cat. No. **P10**

Specify Entablature and color.
 Example: [A2/LG]

Entablature Specifications: Stamped from .090" aluminum sheet, mechanically attached to front and back of housing with no visible fasteners. For custom colors and/or custom Entablatures, consult your Kim representative. See page 1 for dimensions.

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SPECIFICATIONS

Housing:

- Extruded low copper aluminum main body.
- Die-cast low copper aluminum electrical gear compartment.
- Stainless steel hardware.
- Die cast wall separates the optical and electrical compartment acting as thermal barrier.
- Electrical gear compartment doors are fastened with two hinges and a latch made of stainless steel.
- Silicone gaskets seal the compartments at the barrier surface.

Optical Module:

- PicoPrism® refractors (enclosed LED PCBs for IP66 rating) aimed toward the task and spreads horizontally to produce great uniformity.
- Type I, II, III, IV, V, L (left), and R (right) standard distributions. Custom available.
- 3000K, 4000K, 5000K standard CCT. Amber and custom available.
- IP66 certified.
- Die-cast, low copper aluminum heat sink modules provide thermal transfer at PCB level.
- Anodized aluminum carrier plate and heat sink modules.

Lens Frame:

- One-piece low copper aluminum alloy die-cast is secured to housing with two toolless latches.

Neighbor Friendly Optic

- Optional integrated Neighbor Friendly Optic on each LED module to completely control unwanted backlight. Most effective with Type III and IV distributions.

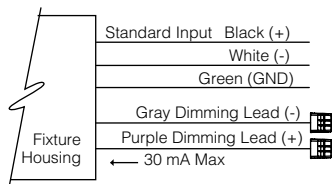
Electrical Characteristics:

- Pre-assembled, aluminum gear tray.
- 120V through 480V @ 50/60Hz.
- Class 2, 350mA or 700mA
- Power Factor = >.90
- National Electrical Code, ANSI/NFPA 70.
- 10kV surge suppression.
- Thermal shield thermal control.
- -30c starting driver.

- 0-10V dimming interface.
- All electronic components are IP66 rated.
- Electronic components are UL and/or CSA recognized.
- Standard programmable driver for variable drive current settings from 350mA to 700mA.

Dimming:

- 10% to 100% dimming using standard 0-10V interface driver.
- To activate the dimming system, a wiring harness is supplied and attached to the DIM Port (DIM IN) on the thermal shield protection system. This port allows the 0-10V Interface to bypass the thermal shield and control the driver.
- The thermal shield works in conjunction with the control system to assure that overheating will not harm the LEDs.
- The wiring harness is connected with the use of the Purple lead as the positive (+) and the Grey lead as the negative (-) to an available control signal (by others).



Support Arm:

- Speed Mount and a reinforcing plate are provided with wire strain relief.
- Speed Mount is square or circular cut for specified pole size and shape.
- Die-cast, low copper aluminum support arm for direct pole mount.
- Die-cast aluminum tool-less entry splice access cover.
- Terminal block is mounted in the arm cavity and accepts #14 to #8 wire sizes.
- Prewired to electrical module with quick-disconnect plugs located inside the electrical compartment.
- Optional cast, low copper aluminum horizontal slip-fitter with adaptor plate to secure the luminaire to 1-1/4" to 2" IPS pipe size arms.
- Optional cast aluminum wall mount plate assembly. Attaches to the wall over the junction box. Luminaire attaches to the wall plate with a square cut Speed Mount.

Finish:

- Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.
- Standard colors include (BL) Black, (DB) Dark Bronze, (GT) Graphite, (WH) White, (PS) Platinum Silver, (LG) Light Gray, (TT) Titanium, and (CC) Custom Color (Include RAL#).

Fusing:

SF for 120, 277 and 347 Line Volts
DF for 208, 240 and 480 Line Volts.

- High temperature fuse holders factory installed inside the fixture housing. Fuse is included.

Certifications and Listings:

- UL 1598 Standard for wet locations for Luminaires.
- UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products.
- IP66 certified.
- CSA C22.2#250.0 Luminaires.
- ANSI C136.31-2010 3G Vibration tested and compliant.
- RoHS compliant.
- IDA approved, 3000K and warmer CCTs only.

CAUTION:

- Fixtures must be grounded in accordance with national, state and/or local electrical codes, Failure to do so may result in serious personal injury.

WARRANTY:

- For full warranty see <http://www.hubbellighting.com/resources/warranty>

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CONTROLS

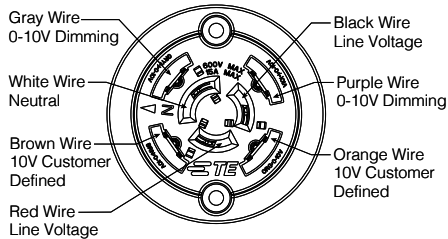
Photocell Receptacle

A25-7

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

1. Traditional on/off photoelectric control.
2. 5-pin wireless photoelectric control for added dimming feature.
3. 7-pin wireless photoelectric control for dimming and additional I/O connections for customer use.



Button Photocell

A30 for 120V, **A31** for 208V, **A32** for 240V, **A33** for 277V, **A35** for 347V, **A34** for 480V,

Photocell is factory installed inside the housing with a fully gasketed sensor on the side wall. For multiple fixture mountings, one fixture is supplied with a photocell to operate the others.

Wireless Control

Hubbell Building Automation's wiSCAPE™ In-Fixture Module is a bi-directional wireless RF device that allows an individual fixture to be managed, monitored and metered. The wiSCAPE In-Fixture Module communicates wirelessly over a robust 2.4GHz ISM (Industrial, Scientific and Medical) certified meshed radio signal. The wiSCAPE Fixture Module drastically simplifies control and automation of projects, especially in retrofit environments, and challenges the legacy world of wired-systems. wiSCAPE wireless control technology easily adapts to complex automation situations for quick, simple and economical commissioning. The On-Fixture Module is compatible with A-25-7H option.

WIR-RMI-IO

120 - 347V 1000 Foot Range WiScape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities.

Pole Mounted

Round Pole-Mounted Occupancy Sensor up to 16'

SCL-R

Round Pole-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-R4¹/277²/BL³

Square Pole-Mounted Occupancy Sensor up to 16'

SCL-S

Square Pole-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for square pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-L/277²/BL³

Round Pole-Mounted Occupancy Sensor 16' to 30'

SCH-R

Round Pole-Mounted Occupancy Sensor: 16' to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-R4¹/277²/BL³

Square Pole-Mounted Occupancy Sensor 16' to 30'

SCH-S

Square Pole-Mounted Occupancy Sensor: 16 to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-S/277²/BL³

SCP

The SCP is a photo-control with motion sensing accessory that mounts to the side of any new or existing 3"-5" round or square straight pole. The SCP enables any pole mounted luminaire in excess of 75 watts, to meet California Title 24 requirements with integral 20KV/10KA surge protection for added reliability and serviceability.

For more detail:

http://www.aal.net/products/sensor_control_programmable

¹Pole Diameter, ²Voltage, ³Color

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