



Consistent with LEED® goals
& Green Globes™ criteria
for light pollution reduction

Roadway Series 325

Roadway Lighting — Cutoff Style with Power Door

200-400W HPS, 175-400W MH

PRODUCT OVERVIEW



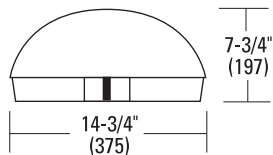
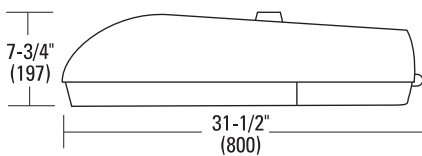
Applications:

- Roadways
- Residential streets
- Storage areas
- Parking lots
- Campuses
- Parks

Features:

- Rugged die-cast aluminum housing is powder-coated for durability and corrosion resistance
- Die-cast secondary Power Pad door places all electrical components on one easily interchangeable module with quick disconnects to main fixture housing.
- Optional two-bolt mast arm mount provides easy, secure installation and adjustability for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Standard four-bolt mounting provides extra security in high-vibration applications.
- Die-cast trigger latch on lens frame enables easy and secure one-hand opening for re-lamping.
- Large surface area "breathing seal" gasket seals the optical chamber to prevent intrusion by insects and environmental contaminants. Heat-resistant gasket material remains effective over the life of the fixture.
- Wildlife shield is cast into the housing (not a separate piece) with 2B option and is easily adjustable for 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) mast arms.
- Photocontrol receptacle is adjustable without tools.
- Anodized aluminum reflectors provide uniform lighting distribution with either flat or sag clear tempered glass.
- NEMA wattage label, terminal block, and NEMA photocontrol receptacle are standard.
- E39 mogul socket standard
- Suitable for -30°C MH / -40°C HPS
- Complies with ANSI: C136.2, C136.10, C136.14, C136.15, C136.31

DIMENSIONS

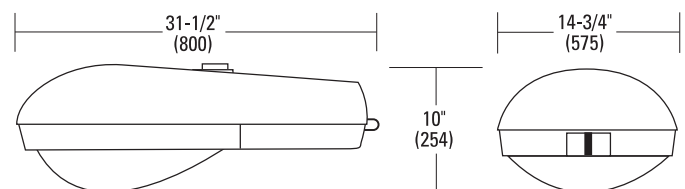


Effective Projected Area (EPA)

The EPA for the Horizontal Luminaire Series 325 is 1.14 sq. ft.
Approx. Wt. = 35 lbs

PREFERRED SELECTION CATALOG NUMBERS

- 325 25S CA MT1 R3 FG EC
- 325 40S CA MT1 R3 FG EC



Effective Projected Area (EPA) The EPA for the Horizontal Luminaire Series 325 with sag glass is 1.22 sq. ft.

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ORDERING INFORMATION

Example: 325 31S CA MT1 R3 FG SF BL

Series	Wattage / Source		Ballast	Voltage	Distribution
325 Power Door Cobrahead	17	175W ¹	S HPS	120	120V
	20	200W	M MH ³	208	208V
	23	250/400W		240	240V
		Wired 250W ²	RN	277	277V
	24	250/400W	RH	347	347V
		Wired 400W ²	XN	480	480V
	25	250W ¹		MT1	Multi-tap Wired 120V
	31	310W	XH	MT2	Multi-tap Wired 240V
	32	320W		MT7	Multi-tap Wired 277V
	35	350W ¹	CA	TT3	Tri-tap Wired 347V
40	400W ¹	CT	DT2	Dual Tap 120/240 Wired 240V	
		MR	DT4	Dual Tap 240/480 Wired 480V	
		SC	5T1	5-tap Wired 120V ⁴	
			5T2	5-tap Wired 240V ⁴	
			5T7	5-tap Wired 277V ⁴	
			5T4	5-tap Wired 480V ⁴	

Ⓔ See ballast matrix for EISA compliant options

Refer to optic distribution matrix below for compatibility.

Optics
FG Flat Glass Clear Tempered ⁵
SG Sag Glass Clear Tempered

Options

Mounting

- (blank) 4-bolt Internal (standard)
- M2 2-bolt Internal 2" Setting
- 2B 2-bolt Internal 1-1/4" Setting

Paint⁶

- (blank) Gray (standard)
- BK Black
- BZ Bronze
- DDB Dark Bronze
- WH White
- UP Unpainted

Terminal Block

- (blank) Terminal Block (standard)
- T2 Wired to L1 & L2 Positions
- T3 3 Wire Operation (L1, N, L2 Position)⁷

Listing

- UL UL Listed
- CS CSA Certified

Fusing⁸

- SF Single Fuse (120, 277, 347V)
- DF Double Fuse (208, 220, 240, 480V)

Photocontrol Receptacle

- (blank) NEMA Photocontrol Receptacle (standard)
- NR No Photocontrol Receptacle⁹

Lamp

- LC Lamp Included, Clear
- LD Lamp Included, Deluxe/Coated

Starter¹⁰

- (blank) Open Board (standard)
- EC Encapsulated Plug-in
- OP Open Plug-in

Misc.

- PC Photocontrol Included per Voltage Specified⁹
- BF RG Vibration¹²
- BL Bubble Level
- SS Stainless Steel Fasteners (external)
- CF Charcoal Filter
- PL Distribution Pattern Indicator Label
- LA Lightning Arrestor (Void UL/CSA Certified Options)
- SH Shorting Cap⁹
- HK Hinge Keeper
- HP High Performance¹¹
- RG Rubber Silicone Optical Gasket
- TL Tool-less Entry to Power Pad

Notes:

- 1 When ordered with metal halide, these wattages do not comply with California Title 20 regulations
- 2 Not available in 5-tap
- 3 CA ballast is not available with 175W - 400W metal halide in the U.S.; must use SC
- 4 Limited availability, please contact your local American Electric Lighting representative
- 5 Nighttime Friendly™ optic
- 6 Other colors available, please contact your local American Electric Lighting representative
- 7 T3 option only available with 240, 480, DT2, DT4, and MT2
- 8 Not available with MT, TT, and DT voltages
- 9 PC and SH not available in NR option
- 10 HPS only
- 11 Available with FG optics only
- 12 Tested to withstand 3G vibration, 4B option required

Optic Distribution

	R2 SG	R3 SG	R2 FG	R3 FG	R2 FG HP	R3 FG HP
17M	▲	▲	▲	▲	-	-
20M	▲	▲	▲	▲	-	-
20S	▲	▲	▲	▲	▲	▲
23S	▲	▲	▲	▲	▲	▲
24S	▲	▲	▲	▲	▲	▲
25S	▲	▲	▲	▲	▲	▲
25M	▲	▲	▲	▲	-	-
31S	▲	▲	▲	▲	▲	▲
32M	▲	▲	▲	▲	-	-
35M	▲	▲	▲ ¹	▲ ¹	-	-
40S	▲	▲	▲	▲	▲	▲
40M	▲	▲	▲ ¹	▲ ¹	-	-

Note: 1 Requires an ED28 reduces jacket lamp



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

RW-325-B

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BALLAST MATRIX

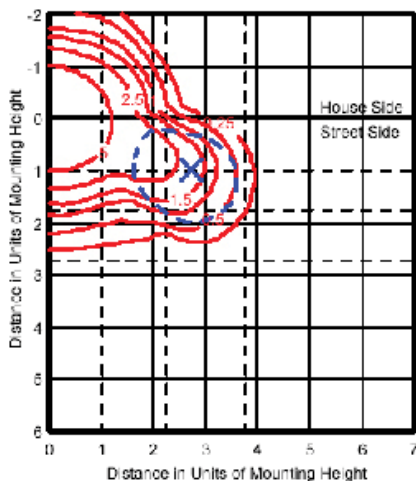
	Watts	120	208	240	277	347	480	DT2	DT4
ⓔ 17M		SC	SC	SC	SC	-	SC	SC	-
	20S	CA,CT,MR,XH,XN	CA,CT	CA,CT,MR,XH,XN	CA,CT,MR	CA	CA,MR	CA,CT,MR,XH,XN	MR
	23S	CA	CA	CA	CA	-	-	CA	-
	24S	CA	CA	CA	CA	-	-	CA	-
	25S	CA,CT,MR,XH,XN	CA,CT	CA,CT,MR,RH,RN,XH,XN	CA,CT	CA	CA,MR	CA,MR,XH,XN	MR
ⓔ 25M		SC	SC	SC	SC	SC	SC	SC	SC
	31S	CA,MR	CA	CA,MR	CA	-	CA,MR	CA,MR	MR
ⓔ 32M		SC	SC	SC	SC	-	SC	SC	-
ⓔ 35M		SC	SC	SC	SC	-	SC	SC	-
	40S	CA,CT,MR	CA,CT,RN,RH	CA,CT,MR,RN,RH	CA,MR,CT	CA	CA,MR	CA,CT,MR	MR
ⓔ 40M		SC	SC	SC	SC	-	SC	SC	-

	Watts	MT1	MT2	MT7	MT8	TT3	5T4
ⓔ 17M		SC	SC	SC	SC	-	-
	20S	CA,CT	CA,CT	CA,CT	CA,CT	CA	-
	23S	CA	CA	CA	CA	-	-
	24S	CA	CA	CA	CA	-	-
	25S	CA,CT	CA,CT	CA,CT	CA,CT	CA	CA
ⓔ 25M		SC	SC	SC	SC	SC	SC
	31S	CA	CA	CA	CA	-	-
ⓔ 32M		SC	SC	SC	SC	-	-
ⓔ 35M		SC	SC	SC	SC	-	-
	40S	CA,CT	CA,CT	CA,CT	CA,CT	CA	CA
ⓔ 40M		SC	SC	SC	SC	-	SC

PHOTOMETRICS

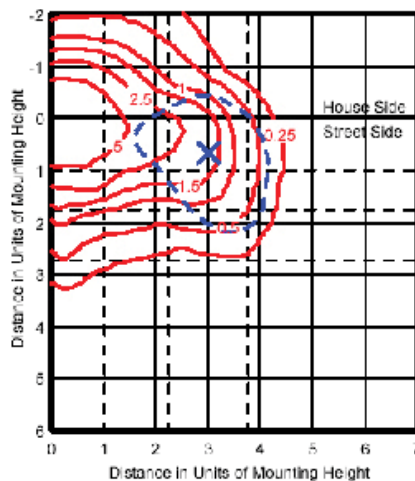
325 40S R3 FG

ISOILLUMINANCE PLOT (FC)
Mounting Height = 20 ft.
Classification: Type III, Medium, Cutoff



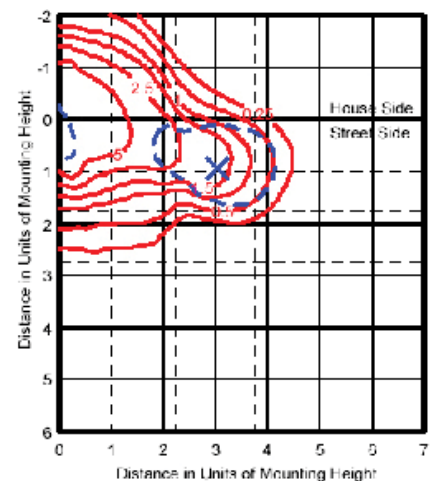
325 40S R3 FG HP

ISOILLUMINANCE PLOT (FC)
Mounting Height = 20 ft.
Classification: Type III, Medium, Cutoff



325 40S R3 SG

ISOILLUMINANCE PLOT (FC)
Mounting Height = 20 ft.
Classification: Type II, Medium, Cutoff



X Maximum Intensity
--- 1/2 Maximum Intensity



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