



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

Roadway Series 115

Roadway Lighting — Cutoff Style

50-400W HPS, 70-250W 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

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. Optional four-bolt mounting provides extra security in high-vibration applications

Die-cast trigger latch on doorframe enables easy and secure one-hand opening for re-lamping and maintenance

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) on the two-bolt unit 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

Surge protection device (standard with ELBD models) exceeds IEEE/ANSI C62.41 Category C criteria

New DTL photocontrol for solid-state lighting (available with PCSS option) exceeds ANSI C136.10 criteria

NEMA wattage label, terminal block, and NEMA photocontrol receptacle are standard

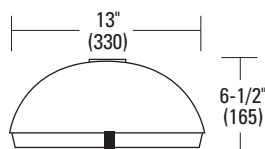
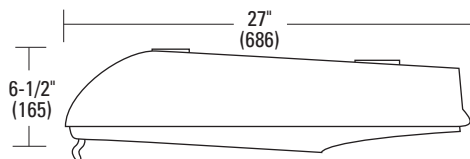
All electrical components warranted by American Electric Lighting's 6-year guarantee

E39 mogul base socket standard

Suitable for -30°C MH / -40°C HPS

Complies with ANSI: C136.2, C136.10, C136.14, C136.15, C136.31

DIMENSIONS

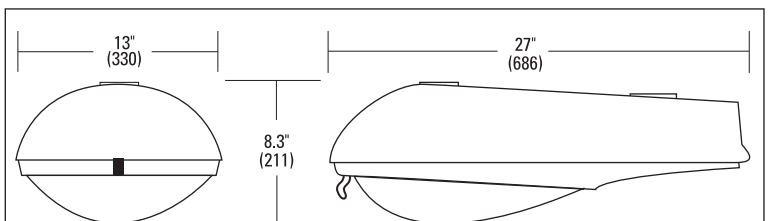


Effective Projected Area (EPA)

The EPA for the Horizontal Luminaire Series 115 with cutoff is .74 sq. ft. Approx. Wt. = 19 lbs.

PREFERRED SELECTION CATALOG NUMBERS

115 10S CA MT1 R2 FG EC



Effective Projected Area (EPA)

The EPA for the Horizontal Luminaire Series 115 with sag glass is .82 sq. ft.

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ORDERING INFORMATION

Example: 115 15S CA MT1 R3 FG LC PC HP

Series	Wattage / Source		Ballast	Voltage	Distribution						
115 Single Door Cobrahead	05	50W S HPS	RN Reactor Normal Power Factor	120 120V	R2 Roadway Type II R3 Roadway Type III <i>Refer to optic distribution matrix below for compatibility.</i>						
	07	70W M MH ²	RH Reactor High Power Factor	208 208V							
	10	100W	XN High Reactance (Lag) Normal Power Factor	240 240V							
	13	100/150W Wired 100W	XH High Reactance (Lag) High Power Factor	277 277V							
	14	100/150W Wired 150W	CA CWA ²	347 347V							
	15	150W	CT CWI	480 480V							
	17	175W ¹	SC SCWA	MT1 Multi-tap Wired 120V							
	20	200W	MR Mag Reg (3 Coil)	MT2 Multi-tap Wired 240V							
	25	250W ¹	ELBD Electronic Ballast/ Driver ³	MT7 Multi-tap Wired 277V							
	40	400W ¹		TT3 Tri-tap Wired 347V							
<p>E See ballast matrix for EISA compliant options</p>					<table border="1"> <thead> <tr> <th colspan="2">Optics</th> </tr> </thead> <tbody> <tr> <td>FG</td> <td>Flat Glass Clear Tempered⁴</td> </tr> <tr> <td>SG</td> <td>Sag Glass Clear Tempered</td> </tr> </tbody> </table>	Optics		FG	Flat Glass Clear Tempered ⁴	SG	Sag Glass Clear Tempered
Optics											
FG	Flat Glass Clear Tempered ⁴										
SG	Sag Glass Clear Tempered										

Options

<p>Mounting</p> <p>(blank) 2-bolt Internal</p> <p>EF External Fitter (2-bolt only)</p> <p>4B 4-bolt Internal</p> <p>M2 2-bolt Internal 2" Setting</p> <p>E2 External Fitter 2" Mast Arm (2-bolt only)</p> <p>Paint⁵</p> <p>(blank) Gray (standard)</p> <p>BK Black</p> <p>BZ Bronze</p> <p>DDB Dark Bronze</p> <p>WH White</p> <p>UP Unpainted</p> <p>Terminal Block</p> <p>(blank) Terminal Block (standard)</p> <p>T2 Wired to L1 & L2 Positions</p> <p>T3 3 Wire Operation (L1, N, L2 Position)⁶</p> <p>Listing</p> <p>UL UL Listed</p> <p>CS CSA Certified</p> <p>Fusing⁷</p> <p>SF Single Fuse (120, 277, 347V)</p> <p>DF Double Fuse (208, 220, 240, 480V)</p>	<p>Photocontrol Receptacle</p> <p>(blank) NEMA Photocontrol Receptacle (standard)</p> <p>NR No Photocontrol Receptacle⁸</p> <p>Lamp</p> <p>LC Lamp Included, Clear</p> <p>LD Lamp Included, Deluxe/Coated</p> <p>Starter⁹</p> <p>(blank) Open Board (standard)</p> <p>EC Encapsulated Plug-in</p> <p>OP Open Plug-in</p> <p>Misc.</p> <p>PC Photocontrol Included per Voltage Specified⁸</p> <p>PCSS Solid-State Lighting Photocontrol (120-277V)⁸</p> <p>BL Bubble Level</p> <p>SS Stainless Steel Fasteners (external)</p> <p>CF Charcoal Filter</p> <p>PL Distribution Pattern Indicator Label</p> <p>LA Lightning Arrestor (Void UL/CSA Certified Options)</p> <p>SH Shorting Cap⁸</p> <p>HK Hinge Keeper</p> <p>HP High Performance¹⁰</p> <p>BF 3G Vibration¹¹</p> <p>RG Rubber Silicone Optical Gasket</p>
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Notes:

- When ordered with metal halide, these wattages do not comply with California Title 20 regulations
- CA ballast not available with 175W - 400W metal halide in the U.S.; must use SC
- 100 and 150W HPS and 150W MH only; 150W HPS requires S56 lamp
- Nighttime Friendly™ optic
- Other colors available, please contact your local American Electric Lighting representative
- T3 option only available with 240, 480, DT2, DT4, MT2
- Not available in MT, TT, DT voltages
- PC, PCSS and SH not available with NR option
- For HPS products only
- FG optics only
- Tested to withstand 3G vibration, 4B option required

Optic Distribution

	R2 SG	R3 SG	R2 FG	R3 FG	R2 FG HP	R3 FG HP
05S	◆	◆	◆	◆	◆	◆
07S	◆	◆	◆	◆	◆	◆
07M	◆	-	◆	-	◆	-
10S	◆	◆	◆	◆	◆	◆
10M	◆	-	◆	-	◆	-
15S	◆	◆	◆	◆	◆	◆
13S	◆	◆	◆	◆	◆	◆
14S	◆	◆	◆	◆	◆	◆
15M	◆	-	◆	-	◆	-
17M	◆	-	-	-	-	-
20S	◆	-	◆	-	-	-
25S	◆	-	◆	-	-	-
25M	◆	-	-	-	-	-
40S	◆	-	◆	-	-	-

BALLAST MATRIX

Roadway 115

Watts	120	208	240	277	347	480	DT2	DT4
05S	RH,RN	-	-	XN	-	-	-	-
07S	CA,CT,RH,RN	XN,XH,CA,CT	XN,XH,CA,CT	XN,XH,CA	XH,XN	CA	XN,XH,CA,CT	-
07M	XN,XH	XN,XH	XN,XH	XN,XH	-	-	-	-
10S	CA,CT,ELBD,MR,RH,RN	CA,CT,ELBD,XN,XH	CA,CT,ELBD,MR,XH,XN	CA,ELBD,XH,XN	-	CA	CA,CT,MR,XH,XN	-
10M	XN,XH	XN,XH	XN,XH	XN,XH	-	-	-	-
15S	CA,CT,ELBD,MR,RH,RN	CA,CT,ELBD,XN,XH	CA,CT,ELBD,MR,XH,XN	XN,XH,ELBD,CA,CT	XH,XN	CA,MR,XN,XH	CA,CT,MR,XH,XN	-
13S	RN,RH	-	-	-	-	-	-	-
14S	RN,RH	-	-	-	-	-	-	-
15M	XN,XH,ELBD	XN,XH,ELBD	XN,XH,ELBD	XN,XH,ELBD	-	-	-	-
ⓔ 17M	SC	SC	SC	SC	SC	SC	SC	-
20S	CA,CT,XN,XH	CA,CT	CA,CT,RN,RH,XN,XH	CA,CT	-	CA,CT	CA,CT,XN,XH	MR
25S	CA,CT,XN,XH	CA,CT	CA,CT,RN,RH,XN,XH	CA,CT	-	CA,CT	CA,CT,XN,XH	MR
ⓔ 25M	SC	SC	SC	SC	SC	SC	SC	SC
40S	-	RN,RH	RN,RH	-	-	-	-	-

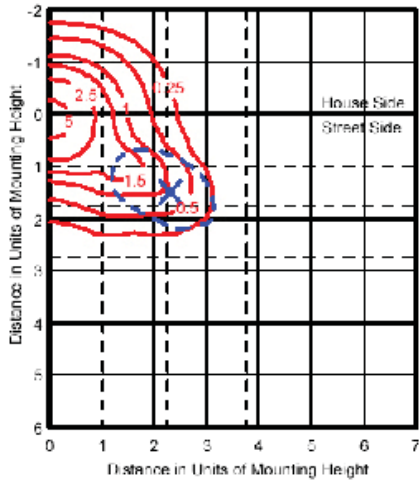
Roadway 115 continued

Watts	MT1	MT2	MT7	TT3
05S	-	-	-	-
07S	CA,XH,XN	CA,XH,XN	CA,XH,XN	XH,XN
07M	-	-	-	-
10S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XN,XH	-
10M	XH,XN	XH,XN	XH,XN	-
15S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XH,XN	XH,XN
13S	-	-	-	-
14S	-	-	-	-
15M	-	-	-	XH,XN
ⓔ 17M	SC	SC	SC	-
20S	CA,CT	CA,CT	CA,CT	-
25S	CA,CT	CA,CT	CA,CT	CA
ⓔ 25M	SC	SC	SC	SC
40S	-	-	-	-

PHOTOMETRICS

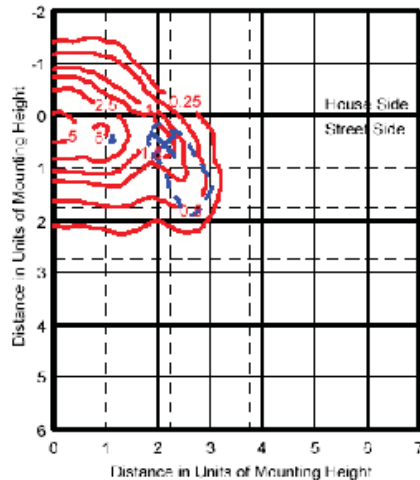
115 15S R3 FG

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



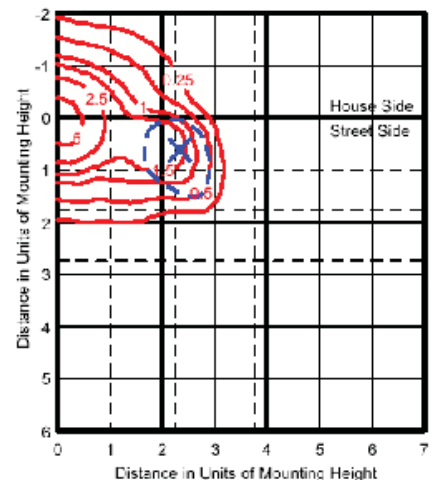
115 15S R3 FG HP

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



115 25S R3 SG

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



✕ Maximum Intensity
--- 1/2 Maximum Intensity

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