

Roadway Series 115

Roadway Lighting Luminaires — Cutoff Style Cobrahead

35-250W HPS, 100-250W MH/MV

PRODUCT OVERVIEW

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" (32mm to 51mm) diameter. Optional four-bolt mounting provides extra security in high-vibration applications. Die-cast trigger latch on door frame enables easy and secure one-hand opening for re-lamping and maintenance. Star Friendly™ cutoff distribution patterns available. 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" (32mm to 51mm) 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. All electrical components warranted by American Electric Lighting's 6-year guarantee. E39 mogul base socket standard. Suitable for -30°C MH & MV / -40°C HPS. Complies with ANSI: C136.2, C136.10, C136.14, C136.15, C136.17



Applications:

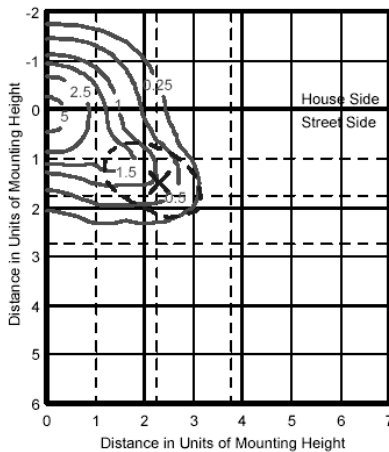
- Roadways
- Residential streets
- Storage areas
- Parking lots
- Campuses
- Parks

115 15S R3 FG

ISOILLUMINANCE PLOT (FC)

Mounting Height = 20 ft.

Classification: Type III, Medium, Cutoff

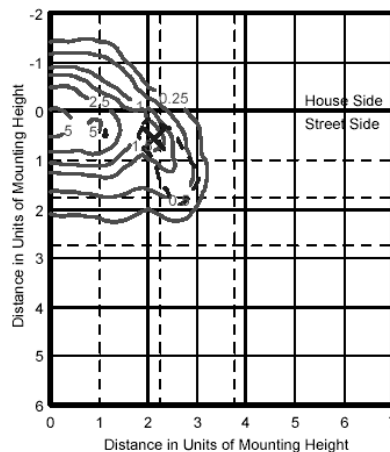


115 15S R3 FG HP

ISOILLUMINANCE PLOT (FC)

Mounting Height = 20 ft.

Classification: Type II, Short, Cutoff

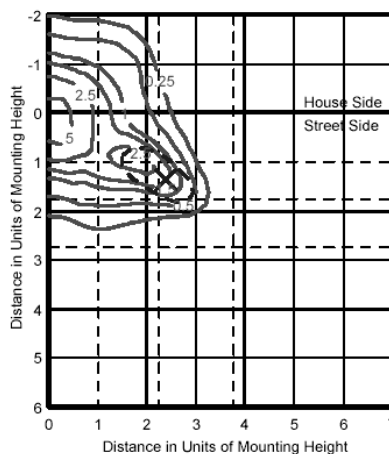


115 25V R3 SG

ISOILLUMINANCE PLOT (FC)

Mounting Height = 20 ft.

Classification: Type III, Medium, Cutoff

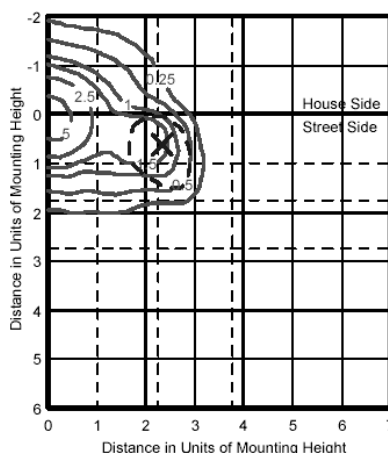


115 25S R3 SG

ISOILLUMINANCE PLOT (FC)

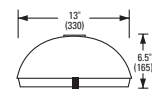
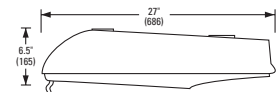
Mounting Height = 20 ft.

Classification: Type II, Medium, Cutoff



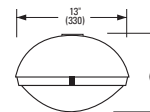
— X — Maximum Intensity
- - - 1/2 Maximum Intensity

DIMENSIONS



Effective Projected Area (EPA)

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



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	03	35W	S HPS	120	120V	R2 Roadway Type II R3 Roadway Type III <i>Refer to Optic Distribution Matrix below for compatibility</i>
	05	50W	M MH	208	208V	
	07	70W	V MV	220	220V	
	10	100W		240	240V	
	13	100/150W wired 100W		277	277V	
	14	100/150W wired 150W		347	347V	
	15	150W		480	480V	
	17	175W		MT1	Multi-tap wired 120V	
	20	200W		MT8	Multi-tap wired 208V	
	25	250W		MT2	Multi-tap wired 240V	
			MR	Multi-tap wired 277V		
			XX	Tri-tap wired 120V		
				TT7	Tri-tap wired 277V	
				TT3	Tri-tap wired 347V	
				DT1	Dual Tap 120/240 wired 120V	
				DT2	Dual Tap 120/240 wired 240V	
				DT3	Dual Tap 240/480 wired 240V	
				DT4	Dual Tap 240/480 wired 480V	

Optics	
FG	Flat Glass Clear Tempered
SG	Sag Glass Clear Tempered

Options

Maximum number of options is six, for more options please contact your local American Electric Lighting representative

<p>Mounting</p> <p>(blank) 2-bolt Internal 1-1/4" setting (standard)</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>Paint¹</p> <p>(blank) Gray (standard)</p> <p>BK Black</p> <p>BZ 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)⁹</p> <p>Listing</p> <p>UL UL Listed</p> <p>CS CSA Certified</p> <p>Fusing²</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 Receptacle³</p> <p>PB Phosphor Bronze Contacts</p> <p>Lamp</p> <p>LC Lamp Included, Clear</p> <p>LD Lamp Included, Deluxe/Coated</p> <p>LG Self-Igniting Lamp⁴</p> <p>Starter⁵</p> <p>(blank) Open Board (standard)</p> <p>EC Encapsulated Plug-in</p> <p>OP Open Plug-in</p> <p>ES External Encapsulated Plug-in</p> <p>SN No Ignitor (using self-igniting lamp)</p> <p>Misc.</p> <p>PC Photocontrol Included per Voltage Specified</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>5H 50 Hertz Ballast Cycle⁶</p> <p>NN No NEMA Label on Housing</p> <p>SH Shorting Cap</p> <p>HK Hinge Keeper</p> <p>HP High Performance⁷</p> <p>LCU Low Copper Alloy Content (less than 1%)</p> <p>BF Bridge Fitter⁸</p>
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Notes:

- Other colors available, please contact your local American Electric Lighting representative
- voids UL/CSA Certified Options; not available in MT, TT, DT voltages
- PB, PC, and SH not available with NR option
- Requires SN option
- For HPS products only
- Limited availability, please contact your local American Electric Lighting representative
- FG optics only
- Tested to withstand 3G vibration, 4B option required
- Not available for 120v fixtures

Optic Distribution

	R2 SG	R3 SG	R2 FG	R3 FG	R2 FG HP	R3 FG HP
03S	◆	◆	◆	◆	◆	◆
05S	◆	◆	◆	◆	◆	◆
07S	◆	◆	◆	◆	◆	◆
10S	◆	◆	◆	◆	◆	◆
15S	◆	◆	◆	◆	◆	◆
20S	◆	-	◆	-	-	-
25S	◆	-	◆	-	-	-
17M	◆	◆	◆ ¹	◆ ¹	-	-
25M	◆	◆	◆ ¹	◆ ¹	-	-
17V	◆	◆	◆ ¹	◆ ¹	-	-
25V	◆	◆	◆ ¹	◆ ¹	-	-

Notes:
1 Use deluxe/coated lamp LD option



American Electric Lighting
Acuity Lighting Group, Inc.
1335 Industrial Boulevard, Conyers, GA 30012
Phone: 800-754-0463 Fax: 770-860-3255
www.americanelectricleighting.com