

Roadway Series 115

Roadway Lighting
50-250W HPS, 70-250W MH

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" (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 borosilicate glass, acrylic, or polycarbonate refractor

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

E39 mogul base socket standard

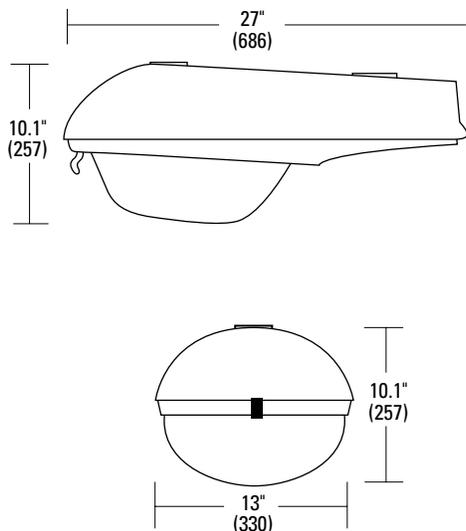
Suitable for -40°C

Complies with ANSI: C136.2, C136.10, C136.14, C136.15, C136.17, C136.31

Applications:

Roadways
Residential streets
Storage areas
Parking lots
Campuses
Parks

DIMENSIONS



Effective Projected Area (EPA)

The EPA for the Horizontal Luminaire Series 115 is 0.9 sq. ft.
Approx. Wt. = 19 lbs.

PREFERRED SELECTION CATALOG NUMBERS

115 10S RN 120 R2 DA

115 15S CA MT1 R2 DA EC

115 15S RH 120 R2 DA

115 25S CA MT1 R3 DG EC

Roadway Series 115

Roadway Lighting

50-400W HPS, 70-250W MH

ORDERING INFORMATION

Example: 115 15S RN 120 R2 DG LC PC

Series	Wattage / Source		Ballast	Voltage	Distribution
115 Single Door Cobrahead	05	50W	S HPS	120	R2 Roadway Type II
	07	70W	M MH	208	R3 Roadway Type III
	10	100W ¹		240	RX Roadway Type II 4-way ¹
	13	100/150W Wired 100W		277	<i>Refer to optic distribution matrix below for compatibility.</i>
	14	100/150W Wired 150W		347	
	15	150W		480	
	17	175W		MT1 Multi-tap Wired 120V	
	20	200W		MT8 Multi-tap Wired 208V	
	25	250W		MT2 Multi-tap Wired 240V	
	40	400W		MT7 Multi-tap Wired 277V	
			TT3 Tri-tap Wired 347V		
			DT1 Dual Tap 120/240 Wired 120V		
			DT2 Dual Tap 120/240 Wired 240V		
			DT4 Dual Tap 240/480 Wired 480V		
			RN Reactor Normal Power Factor		
			RH Reactor High Power Factor		
			XN High Reactance (Lag) Normal Power Factor		
			XH High Reactance (Lag) High Power Factor		
			CA CWA ²		
			CT CWI		
			SC SCWA		
			MR Mag Reg (3 Coil)		

Optics

- DA** Drop Acrylic Prismatic Refractor²
- DP** Drop Polycarbonate Prismatic Refractor
- DG** Drop Glass Prismatic Refractor

Notes:

1. DG option only
2. For HPS products only
3. Other colors available, please contact your local American Electric Lighting representative
4. T3 option only available with 240, 480, DT2, DT4, MT2
5. Not available in MT, TT, DT voltages
6. PC and SH not available with NR option
7. Tested to withstand 3G vibration; 4B option required

Optic Distribution

	R2 DA	R3 DA	R2 DP	R3 DP	R2 DG	R3 DG	RX DG
05S	▲	▲	▲	▲	▲	▲	
07S	▲	▲	▲	▲	▲	▲	▲
07M	-	-	▲	-	▲	▲	▲
10S	▲	▲	▲	▲	▲	▲	▲
10M	-	-	▲	▲	▲	▲	▲
15S	▲	▲	▲	▲	▲	▲	▲
13S	▲	▲	▲	▲	▲	▲	▲
14S	▲	▲	▲	▲	▲	▲	▲
15M	-	-	▲	▲	▲	▲	▲
17M	-	-	▲	▲	▲	▲	▲
20S	-	-	▲	▲	▲	▲	▲
25S	-	-	▲	▲	▲	▲	▲
25M	-	-	▲	▲	▲	▲	▲
40S	-	-	-	-	▲	▲	▲

Options

Mounting

- (blank) 2-bolt Internal
- EF** External Fitter (2-bolt only)
- 4B** 4-bolt Internal
- M2** 2-bolt Internal 2" Setting
- E2** External Fitter 2" Mast Arm (2-bolt only)
- F2** 4-Bolt Internal 2" Setting

Paint³

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

Terminal Block

- (blank) Terminal Block (standard)
- T2** Wired to L1 to L2 Position
- T3** 3 Wire Operation (L1, N, L2 Position)⁴

Listing

- UL** UL Listed
- CS** CSA Certified

Fusing⁵

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

Photocontrol Receptacle

- (blank) NEMA Photocontrol Receptacle (standard)
- NR** No Photocontrol Receptacle⁶

Starter²

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

Misc.

- PC** Photocontrol Included per Voltage Specified⁶
- BF** 3G Vibration⁷
- 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 Cap⁶
- HK** Hinge Keeper
- RG** Rubber Silicone Optical Gasket



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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/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.

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BALLAST MATRIX

Roadway 115

Watts	120	208	240	277	347	480	DT1	DT2	DT4
05S	RH,RN	-	-	XN	-	-	-	-	-
07S	RH,RN	XN,XH	XN,XH	XN,XH	XH,XN	XH,XN	XN,XH	XN,XH	-
07M	XN,XH	XN,XH	XN,XH	XN,XH	-	-	-	-	-
10S	CA,CT,MR,RH,RN	CA,CT,XN,XH	CA,CT,MR,XH,XN	CA,XH,XN	CT	CA	CA,CT,MR,XH,XH	CA,CT,MR,XH,XN	-
10M	XN,XH	XN,XH	XN,XH	XN,XH	-	-	-	-	-
15S	CA,CT,MR,RH,RN	CA,CT,XN,XH	CA,CT,MR,XH,XN	XN,XH,CA,CT	XH,XN,CT	CA,MR,XN,XH	CA,CT,MR,XH,XN	CA,CT,MR,XH,XN	-
13S	RN,RH	-	-	-	-	-	-	-	-
14S	RN,RH	-	-	-	-	-	-	-	-
15M	XN,XH,SC	XN,XH,SC	XN,XH,SC	XN,XH,SC	-	XN,XH	-	-	-
17M	SC	SC	SC	SC	SC	SC	SC	SC	-
20S	CA,CT,XN,XH	CA,CT	CA,CT,XN,XH	CA,CT	-	CA	CA,CT,XN,XH	CA,CT,XN,XH	MR
25S	CA,CT,XN,XH	CA,CT	CA,CT,XN,XH	CA,CT	-	CA	CA,CT,XN,XH	CA,CT,XN,XH	-
25M	SC	SC	SC	SC	SC	SC	SC	SC	-
40S	-	RN,RH	RN,RH	-	-	-	-	-	-

Roadway 115 continued

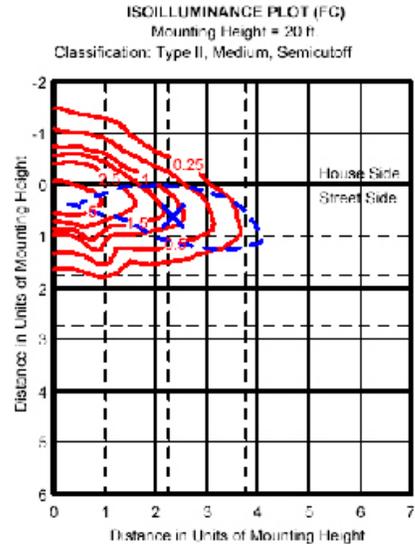
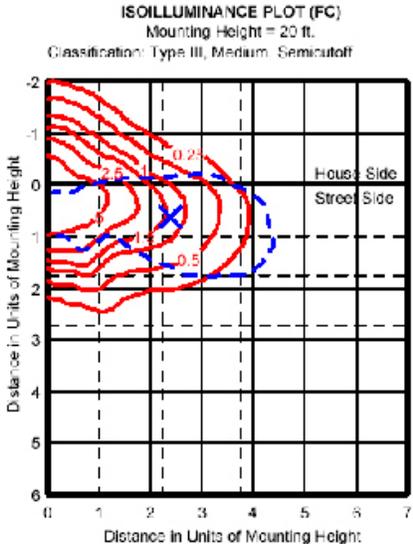
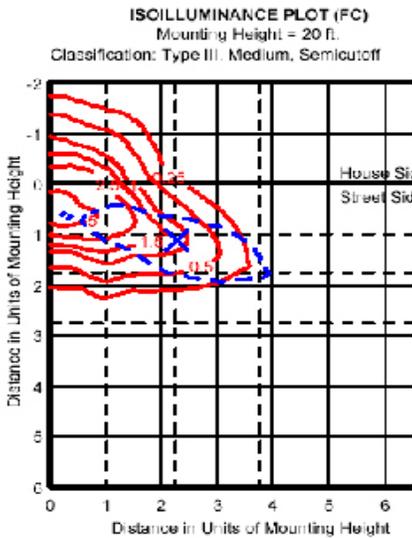
Watts	MT1	MT2	MT7	TT3
05S	XH,XN	XH,XN	XH,XN	-
07S	XH,XN	XH,XN	XH,XN	XH,XN
07M	XH,XN	XH,XN	XH,XN	-
10S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XN,XH	-
10M	XH,XN	XH,XN	XH,XN	-
15S	CA,XH,XN	CA,XH,XN	CA,XH,XN	XH,XN
13S	-	-	-	-
14S	-	-	-	-
15M	SC,XH,XN	SC,XH,XN	SC,XH,XN	XH,XN
17M	SC	SC	SC	-
20S	CA,CT	CA,CT	CA,CT	-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

PHOTOMETRICS

115 15S R3 DA

115 25S R3 DG

115 15S R2 DP



X Maximum Intensity
 --- 1/2 Maximum Intensity