

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

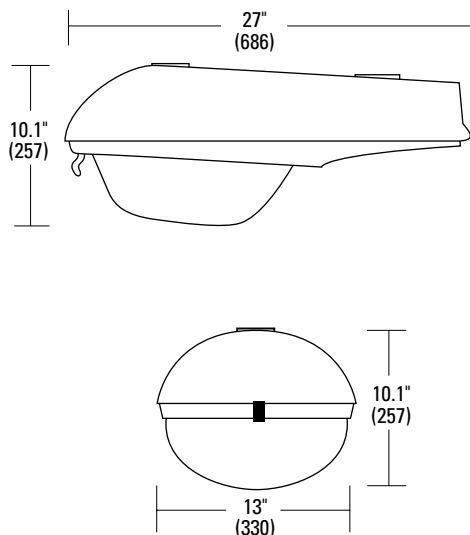
Suitable for -40°C

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

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50-400W HPS, 70-250W MH

ORDERING INFORMATION

Example: 1 15 15S RN 120 R2 DG LC PC

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
		07	70W	M	MH	RH	Reactor High Power Factor	208	208V	R3	Roadway Type III
		10	100W ¹				240	240V	RX	Roadway Type II 4-way ¹	
		13	100/150W Wired 100W			XN	High Reactance (Lag) Normal Power Factor	277	277V	Refer to optic distribution matrix below for compatibility.	
		14	100/150W Wired 150W				347	347V			
		15	150W				480	480V			
		17	175W			XH	High Reactance (Lag) High Power Factor	MT1	Multi-tap Wired 120V	<div>Optics</div> DA Drop Acrylic Prismatic Refractor ² DP Drop Polycarbonate Prismatic Refractor DG Drop Glass Prismatic Refractor	
		20	200W				MT8	Multi-tap Wired 208V			
		25	250W			CA	CWA ²	MT2	Multi-tap Wired 240V		
		40	400W			CT	CWI	MT7	Multi-tap Wired 277V		
						SC	SCWA	TT3	Tri-tap Wired 347V		
						MR	Mag Reg (3 Coil)	DT1	Dual Tap 120/240 Wired 120V		
								DT2	Dual Tap 120/240 Wired 240V		
						DT4	Dual Tap 240/480 Wired 480V				

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

Photocontrol Receptacle

(blank)	NEMA Photocontrol Receptacle (standard)
NR	No Photocontrol Receptacle ⁶
<u>Lamp</u>	
LC	Lamp Included, Clear
LD	Lamp Included, Deluxe/Coated

Paint ³

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

Starter ²

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

Misc.

PC	Photocontrol Included per Voltage Specified ⁶
BF	3G Vibration ⁷
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 Cap ⁶
HK	Hinge Keeper
RG	Rubber Silicone Optical Gasket

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

Fusing ⁵

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

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	-	-	-	-	▲	▲	▲



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com

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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

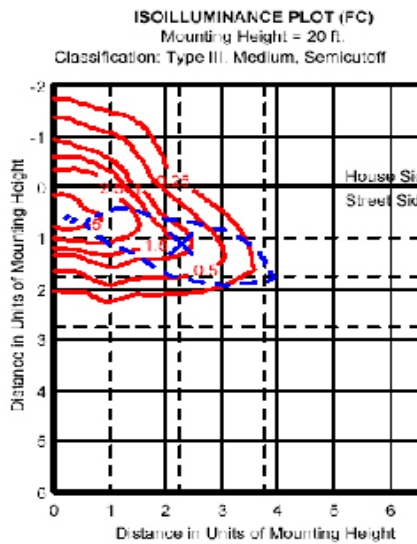
Watts	120	208	240	277	347	480	DT1	DT2	DT4
05S	RH,RN	-	-	XN	-	-	-	-	-
07S	RH,RN	XN,XH	XN,XH	XN,XH	XH,XN	XH,XN	XN,XH	XN,XH	-
07M	XN,XH	XN,XH	XN,XH	XN,XH	-	-	-	-	-
10S	CA,CT,MR,RH,RN	CA,CT,XN,XH	CA,CT,MR,XH,XN	CA,XH,XN	CT	CA	CA,CT,MR,XH,XH	CA,CT,MR,XH,XN	-
10M	XN,XH	XN,XH	XN,XH	XN,XH	-	-	-	-	-
15S	CA,CT,MR,RH,RN	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

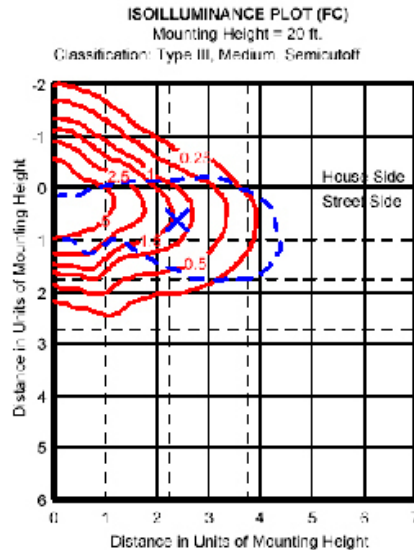
Watts	MT1	MT2	MT7	TT3
05S	XH,XN	XH,XN	XH,XN	-
07S	XH,XN	XH,XN	XH,XN	XH,XN
07M	XH,XN	XH,XN	XH,XN	-
10S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XH,XN	-
10M	XH,XN	XH,XN	XH,XN	-
15S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XH,XN	XH,XN
13S	-	-	-	-
14S	-	-	-	-
15M	SC,XH,XN	SC,XH,XN	SC,XH,XN	XH,XN
17M	SC	SC	SC	-
20S	CA,CT	CA,CT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

PHOTOMETRICS

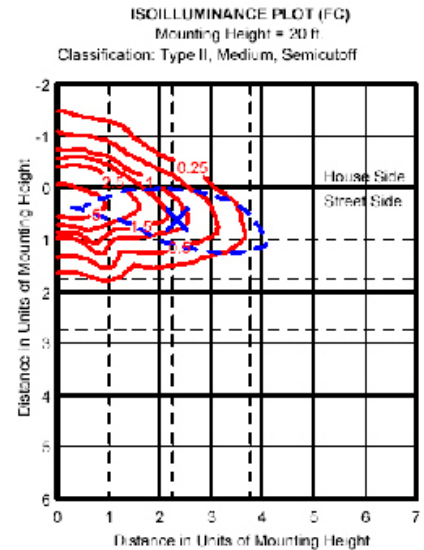
115 15S R3 DA



115 25S R3 DG



115 15S R2 DP



X Maximum Intensity
--- 1/2 Maximum Intensity



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