



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

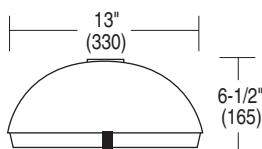
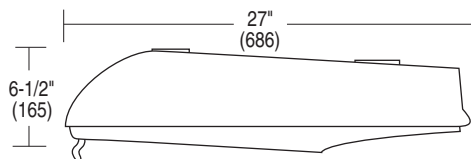
All electrical components warranted by American Electric Lighting's 6-year guarantee

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

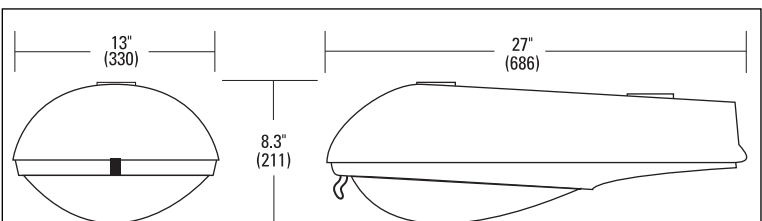
DIMENSIONS



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.

Roadway Series 115

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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
	07 70W	M MH ²	RH Reactor High Power Factor	208 208V ¹²	R3 Roadway Type III
	10 100W ¹²		XN High Reactance (Lag) Normal Power Factor	240 240V	Refer to optic distribution matrix below for compatibility.
	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	
				DT2 Dual Tap 120/240 Wired 240V	
				DT4 Dual Tap 240/480 Wired 480V	

Ⓔ See ballast matrix for IESA compliant options

Optics	
FG	Flat Glass Clear Tempered ⁴
SG	Sag Glass Clear Tempered

- 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
 - Not available with ELBD electronic ballast/driver

Options

Mounting	Photocontrol Receptacle
(blank) 2-bolt Internal	(blank) NEMA Photocontrol Receptacle (standard)
EF External Fitter (2-bolt only)	NR No Photocontrol Receptacle ⁸
4B 4-bolt Internal	
M2 2-bolt Internal 2" Setting	Lamp
E2 External Fitter 2" Mast Arm (2-bolt only)	LC Lamp Included, Clear
F2 4-Bolt Internal 2" Setting	LD Lamp Included, Deluxe/Coated
Paint⁵	Starter⁹
(blank) Gray (standard)	(blank) Open Board (standard)
BK Black	EC Encapsulated Plug-in
BZ Bronze	OP Open Plug-in
DDB Dark Bronze	
WH White	Misc.
UP Unpainted	PC Photocontrol Included per Voltage Specified ⁸
Terminal Block	BF 3G Vibration ¹¹
(blank) Terminal Block (standard)	PCSS Solid-State Lighting Photocontrol (120-277V) ⁸
T2 Wired to L1 & L2 Positions	BL Bubble Level
T3 3 Wire Operation (L1, N, L2 Position) ⁶	SS Stainless Steel Fasteners (external)
Listing	CF Charcoal Filter
UL UL Listed	PL Distribution Pattern Indicator Label
CS CSA Certified	LA Lightning Arrestor (Void UL/CSA Certified Options)
Fusing⁷	SH Shorting Cap ⁸
SF Single Fuse (120, 277, 347V)	HK Hinge Keeper
DF Double Fuse (208, 220, 240, 480V)	HP High Performance ¹⁰
	RG Rubber Silicone Optical Gasket

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	▲	-	▲	-	-	-



American Electric Lighting
 Acuity Brands Lighting, Inc.
 3825 Columbus Rd. S.W., Granville, OH 43023
 Phone: 800-537-5710 Fax: 740-587-6114
 www.americanelectriclighting.com

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	XN,XH	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	CT	CA	CA,CT,MR,XH,XN	-
10M	XN,XH	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,CT	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	-	XN,XH	-	-
17M	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	MR
25S	CA,CT,XN,XH	CA,CT	CA,CT,RN,RH,XN,XH	CA,CT	-	CA	CA,CT,XN,XH	-
25M	SC	SC	SC	SC	SC	SC	SC	SC
40S	-	RN,RH	RN,RH	-	-	-	-	-

Roadway 115 continued

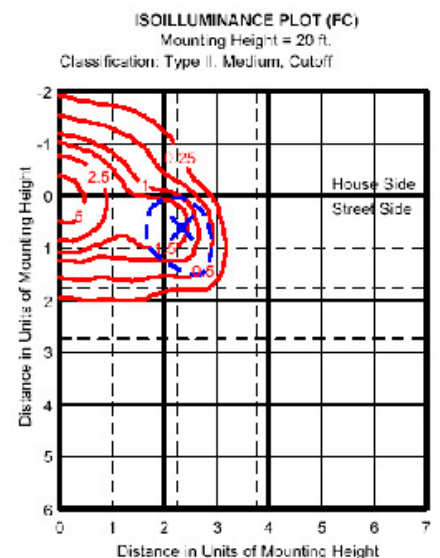
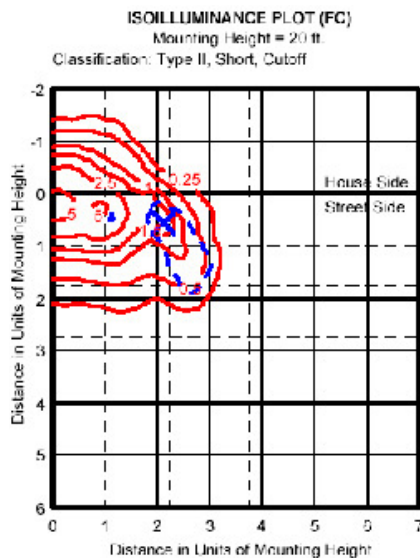
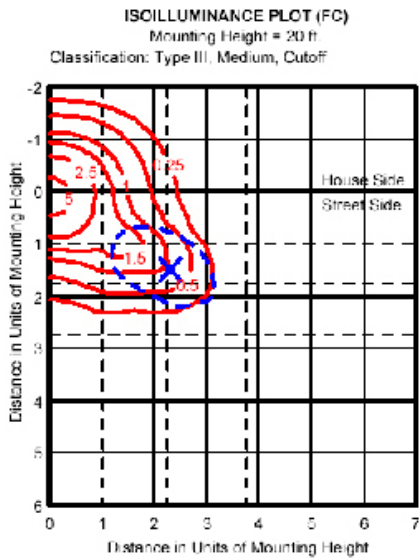
Watts	MT1	MT2	MT7	TT3
05S	XH,XN	XH,XN	XH,XN	-
07S	CA,XH,XN	CA,XH,XN	CA,XH,XN	XH,XN
07M	-	-	-	-
10S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XN,XH	-
10M	XH,XN	XH,XN	XH,XN	-
15S	CA,CT,XH,XN	CA,CT,XH,XN	CA,CT,XH,XN	XH,XN
13S	-	-	-	-
14S	-	-	-	-
15M	SC	SC	SC	XH,XN
17M	SC	SC	SC	-
20S	CA,CT	CA,CT	CA,CT	-
25S	CA,CT	CA,CT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

PHOTOMETRICS

115 15S R3 FG

115 15S R3 FG HP

115 25S R3 SG



X Maximum Intensity
--- 1/2 Maximum Intensity