

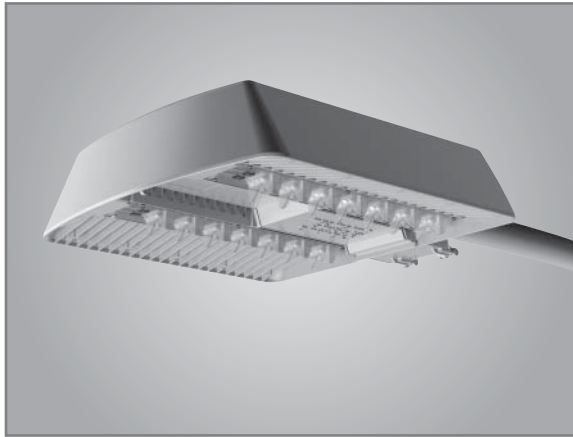


Consistent with LEED® goals
& Green Globes™ criteria
for light pollution reduction

Roadway Series LEDR

Roadway Lighting
70-100W LED

PRODUCT OVERVIEW



Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

Features:

Rugged die-cast housing is a low-copper aluminum alloy with Super Durable polyester powder-coat finish for increased durability and corrosion resistance

Four-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

Tested to withstand 3G vibration for bridge applications, per ANSI C136.31

Die-cast trigger latch on doorframe allows for tool-less entry and enables easy and secure opening with one hand

Wildlife shield is cast into the housing (not a separate piece) and is easily adjustable for 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) mast arms

Long-life platform: both the LED light engines and electronic driver (120V or MVOLT) are rated 50,000+ hours at 40°C, L70

Surge protection device (standard) meets IEEE/ANSI C62.41-1991 Category C3 criteria for 120V operation (exceeds Category C1 criteria for MVOLT)

Unique optics are IP67 rated and minimize uplight and backlight to optimize photometric performance and pole spacings; average color temperature (CCT) is 5100K with a CRI of 70+

Patent-pending Thermal Nozzle™ passive cooling system optimizes heat transfer for exceptional thermal management

DTL photocontrol for solid-state lighting (available with PCSS option) meets ANSI C136.10 criteria; control has a special filter for LED lighting to prevent false turn-offs, and is fused for Fail-Off mode to prevent dayburners; control also provides additional surge protection

Terminal block and NEMA photocontrol receptacle are standard

Photocontrol receptacle is adjustable without tools

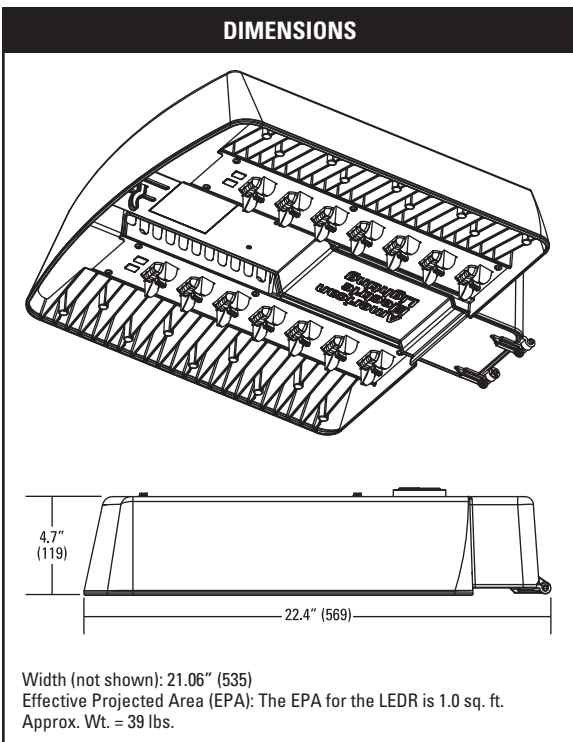
Unit is ROAM® compatible (contact factory for details)

All electrical components warranted for 5 years

Rated for -40°C to 40°C ambient

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

DIMENSIONS



Roadway Series LEDR

Roadway Lighting

70-100W LED

ORDERING INFORMATION

Example: LEDR 10LED E35 MVOLT AR2 PCSS

Series	Wattage / Source	Driver/Drive Current	Voltage ¹	Optics
LEDR LED Roadway	07 70W 10 100W	LED LED E35 Electronic Driver, 350 mA	120 120V MVOLT Multi-volt, 120-277V	AR2 Advanced Roadway Optic, 2-lane AR3 Advanced Roadway Optic, 3-lane

Options

Mounting

(blank) 4-bolt Internal

Paint ²

(blank) Graphite (standard)

BK Black

BZ Bronze

DDB Dark Bronze

GY Gray

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)

Listing

UL UL Listed ³

CS CSA Certified

Photocontrol

(blank) NEMA Photocontrol Receptacle
(standard)

PCSS Solid State Lighting Photocontrol
(120-277V)

SH Shorting Cap ³

NR No Photocontrol Receptacle ³

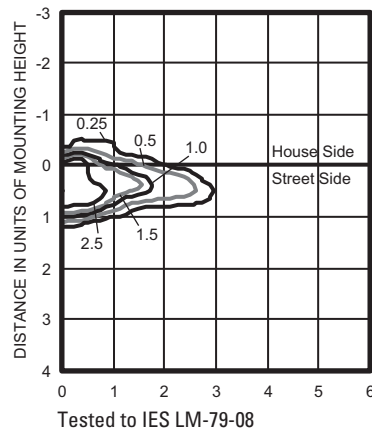
Notes:

- 120V surge protection meets ANSI/IEEE C62.41-1991 Category C3; MVOLT surge protection exceeds Category C1
- Other colors available, please contact your local American Electric Lighting representative
- Contact factory for availability

Product Wattage	Optic	IES BUG Rating		
		B	U	G
LEDR 07LED	AR2	1	1	1
	AR3	1	1	1
LEDR 10LED	AR2	1	1	1
	AR3	1	1	1

LEDR 07LED AR2

ISOILLUMINANCE PLOT (Footcandle)
Mounting Height = 20 ft.



LEDR 10LED AR2

ISOILLUMINANCE PLOT (Footcandle)
Mounting Height = 20 ft.

