

GE EVOLVE™ LED SERIES

Roadway Medium Cobrahead (R150)



APPLICATIONS

- System that provides an advanced LED optical system providing high uniformity, glare control, improved vertical light distribution, and reduced light trespass for effective Roadway Lighting.

Housing: Die cast aluminum housing. Aesthetically inspired by a traditional roadway (Cobrahead) fixture, it incorporates a heat sink directly into the unit ensuring maximum heat transfer, long LED life and a reduced EPA. Meets ANSI 2G vibration standards. For 3G rating contact factory. Power door assembly with retention latch.

LED and Optical Assembly: Structured LED array for optimized roadway photometric distribution. Evolve™ Light Engine consisting of nested concentric directional reflectors designed to optimize application efficiency and minimize glare. Utilizes High Brightness LEDs, 70 CRI at 6000K typical. Photometric measurements in accordance with LM-79. Rated at -40° to 50°C.

Lumen Maintenance: System rating is 50,000 hours @ L80.

Ratings: UL/cUL listed, suitable for wet locations. IP 65 rated optical enclosure.

Mounting: 4-Bolt Slipfitter with + -5 degrees of adjustment for leveling. Cast end pipe stop. Wildlife intrusion protection at mounting arm. Adjustable for 1.25 in. or 2.0 in. pipe.

Finish: Corrosion resistant polyester powder paint. Standard color: Gray. For custom colors contact factory. Standard warranty applies.

Electrical: 120-277 volt universal electronic driver. 347-480 volt available. Drive current 467mA typical. System power factor is >90% and THD <20% full load. Class "A" sound rating
Integral Surge protection per IEEE/ANSI C62.41-1991.

- 277V Systems: Location Category B2
- 480V Systems: Location Category B3

PE available for all voltages.

Warranty: 5 year limited system warranty

Catalog Number:

ERMC - - - - -

ORDERING NUMBER LOGIC Sample Number - ERMCOXX60A1GRAYXXX BELOW - SUGGESTED ORDER LOGIC

ERMC	0	XX	60	A	1	GRAY	XXX
PROD. ID E = LED Product Platform R = Roadway M = Medium C = Cobrahead	VOLTAGE 0 = 120 - 277 H = 347 - 480	PHOTOMETRICS A1 = Asymmetric Wide 6000 lumens A2 = Asymmetric Wide 8700 lumens A3 = Asymmetric Wide 9600 lumens A4 = Asymmetric Short 5100 lumens A5 = Asymmetric Short 7000 lumens A6 = Asymmetric Short 7800 lumens	LED COLOR TEMP 60= 6000K 41= 4100K Contact factory for availability	LENS TYPE A = Acrylic	PE FUNCTION 1 = None 2 = PE Rec. 4 = PE Rec. with Shorting Cap 5 = PE Rec. with Control	COLOR GRAY = Gray	OPTIONS E = GE Level F = Fusing L = Tool-Less Entry S = Shield XXX = Special Options

PHOTOMETRIC SELECTION TABLE					
Distribution	Typical Initial Lumens	Typical System Wattage 120-277V	Typical System Wattage 347-480V	Pole Spacing (2-4 lanes)	Photometric Curve Number
1.) Asymmetric Wide - Medium	6000	95	100	4-6:1	454237
2.) Asymmetric Wide - Medium	8700	142	149	4-6:1	454238
3.) Asymmetric Wide - Medium	9600	157	165	4-6:1	454239
4.) Asymmetric Short	5100	80	84	2-4:1	454240
5.) Asymmetric Short	7000	115	121	2-4:1	454241
6.) Asymmetric Short	7800	127	133	2-4:1	454242

PHOTOMETRIC SELECTION TABLE					
Distribution	Typical Initial Lumens	Typical System Wattage 120-277V	Typical System Wattage 347-480V	Pole Spacing (2-4 lanes)	Photometric Curve Number
7.) Asymmetric Wide - Medium	3100	49	52	4-6:1	454243
8.) Asymmetric Wide - Medium	4100	64	67	4-6:1	454244

Note: Values supplied above may be subject to revision based on final LM-79 test results.

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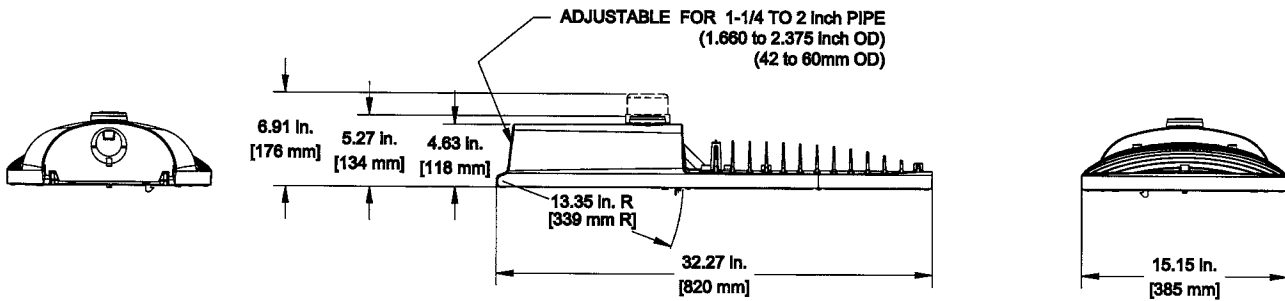
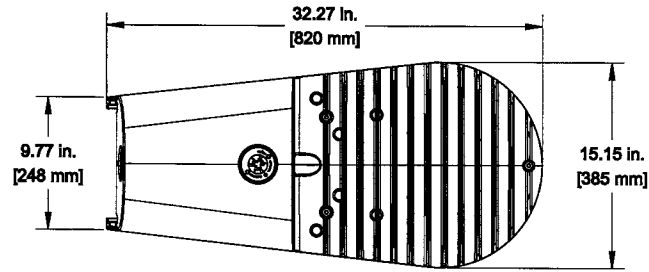
3010 Spartanburg Hwy. East Flat Rock, NC 28726 - Visit us on the web @ www.gelightingsystems.com

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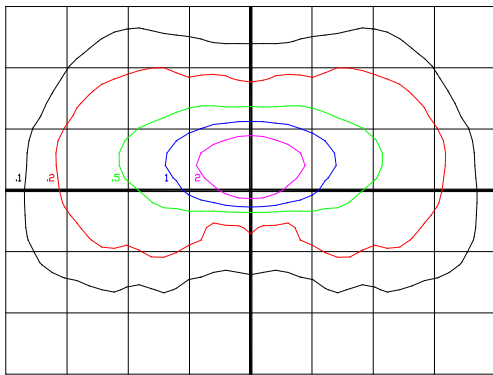
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FIXTURE DIMENSIONS

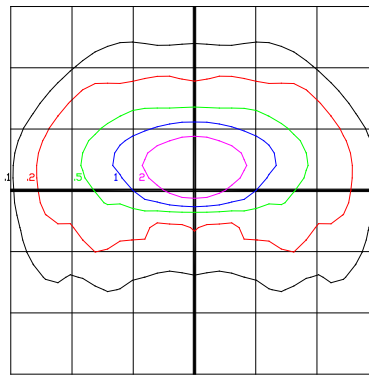


Iso - Illuminance Plot - A1, A2, A3



ASYMMETRIC WIDE

Iso - Illuminance Plot - A4, A5, A6



ASYMMETRIC SHORT

DATA

Approximate Net Weight
EPA with Slipfitter

35 lbs 16 kgs
1.1 sq ft max 0.10 sq M max

Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.

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