

GLC / LWP Series – 150W LED STREET ROADWAY LED LUMINAIRE

APPLICATIONS

- Replacement of existing HID cobra head luminaires & new installations
- Residential & Local Streets
- Local & Major Roadways
- Intersections & Cross-walks
- Alleys and Pedestrian Walkways

COMPLIANCE

- ANSI C136.2, .3, .10, .14, .15, .22, .25, .31, .37 and .41
- ANSI/IES RP-8-14 Roadway Lighting
- MSSLC Model Specification for LED Roadway Luminaires v2 (2014)

APPROVALS

- EMC, LVD, RoHS & Suitable for wet locations.
- On Demand 3G Vibration Rated for Bridge/Overpass Applications per ANSI CE, SAA, BIS.

AT A GLANCE

REPLACES	SIZE	WATTS	LUMENS	LUMENS PER WATT
Up to 150W HID	CSR-S	36 to 150	Up to 5,700	Up to 118
Up to 400W HID	CSR-M		Up to 17,200	Up to 120

FEATURES

- Energy efficient family of LED luminaires for replacement of up to 400W HID.
- Familiar cobra head style, optimized for LED operation and performance.
- Tool-free access to mounting and electrical components.
- Optional upon request Controls ready luminaire is standard for independent operation or remote management.
- Multiple light distributions and lumen levels for diverse application requirements covering all roadway needs.
- Ease of installation, long service life and minimal maintenance.
- Operating temperature:
 - LWP-M -30°C to +50°C (-22°F to +122°F)
 - LWP-S -30°C to +55°C (-22°F to +131°F)

CONSTRUCTION

- Housing and door are one-piece with integral mounting for strength and durability.
- Door is removable without tools and rear-hinged for ease of installation and service.
- LED boards and drivers are mounted directly to the housing's integral heat sink for thermal management and maximum service life.
- No lens frame or secondary glass for maximum performance.
- Die-Casting Aluminum Body & Frame. IP-66
- Housing and door are protected with a thermoset TGIC-polyester powder coat finish using a tightly controlled multi-stage process to a uniform 3 mil thickness (min).

MOUNTING

- Integral horizontal mast arm mounting for 1-1/4" to 2" IP (1.66"-2.38" OD) for compatibility and ease of installation.
- Horizontal orientation with internal +/- 5° adjustment for leveling in 2.5° increments.
- Bubble Level for lateral and longitudinal orientation provides quick visual reference, speeding installation.
- Bird guard for arm diameters smaller than 2" IP (2.38" OD).



OPTICS

- Precision molded optics for superior uniformity, minimal light trespass and maximum pole spacing.
- Optical grade polymer is UV stabilized and impact resistant.
- IP66 rated LED light engines prevent dust and moisture from degrading performance.
- Distributions: Type II, Type III, Type IV and Type V.
- Best in class Epistar chip LEDs with 3000K (min 80 CRI), 4000K, 5000K and 5700K CCT (min 70 CRI).
- Zero uplight (U0) is night sky friendly, reduces wasted light.
- Lumen Maintenance: >50,000hrs L₇₀ @ 25°C.
- Optional backlight shielding available for Type II, Type III and Type IV distributions protects against light trespass.

DIMENSIONS

LWP Small (15,900 Lm / 150 LED)

- EPA: 0.72 sq ft
- 14 lbs.
- 25.8" L x 9.5" W x 5.1" H

LWP Medium (17,200 Lm / 150 LED)

- EPA: 1.14 sq ft
- 22 lbs.
- 29.5" L x 13.0" W x 5.2" H



ORDER LOGIC

LWP		N				GY	
MODULE	OPTICS	DRIVER	OP SURGE	MOUNT	SPECIAL OPTIONS		
01	2M Type II Medium	DIM Dimmable Multi-Volt	10 10kV/10kA (Std)	2 ³ 2 Bolt/Single Brkt	Consult		
02	3M Type III Medium	120-277V (Std)	20 ² 20kV/20kA	4 ⁴ 4 Bolt/Dual Brkt	Factory		
03	4S Type IV Short	NOD NON Dimmable					
	5M Type V Square Medium						
SIZE	MODEL	ORIENTATION	CCT	OP CONTROLS	COLOR		
S Small	036	N Normal (Forward)	30K 3000K	5 ¹ Twist-Lock Receptacle, 5-pin (Std)	GY Grey		
M Medium	052		40K 4000K (Std)				
	075		50K 5000K	7 ¹ Twist-Lock Receptacle, 7-pin			
	096		57K 5700K				
	125						
	150						

1. Lamp Size: L820*W320*H130 MM, Ra70, Ra80, Beam Angle 120°
2. Not available with HVD driver option. Volt: AC85-265, 50/60 HZ
3. Single bracket/2-Bolt mount is standard on CSR-S, N/A on CSR-M.
4. Dual bracket/4-Bolt mount is optional on CSR-S, standard on CSR-M.



For additional information and options please visit our website: badrygroup.com/lighting

