

DESCRIPTION

The LED roadway luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Our customer focused features include single latch tool-less entry, industry leading surge protection options and superior lumen maintenance and performance, all in an economical design. It is ideal for illuminating walkways, parking lots and roadways.



SPECIFICATION FEATURES

Construction

- Heavy-duty cast aluminum housing and removable door 3G vibration rated to ensure strength of construction and longevity in application.
- Housing is completely sealed against moisture and environmental contaminants.

Optics

- Available in IES Type II, III, IV, distributions
- Offered in Standard 4000K and 5000K (+/- 275K) CCT and minimum 70 CRI.
- Scalable Lumen Packages from 6,250 to 20,000 Lumens replaces up to 400W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

Electrical

- Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation.
- Standard 0-10V dimming and 10kV/10kA common- and differential- mode surge protection available.
- Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 45°C ambient environments.
- LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life.

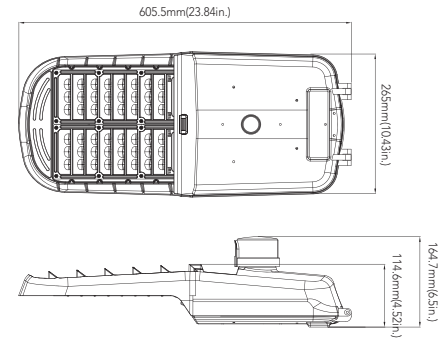
Lifespan

- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Warranty

- Five-year warranty.

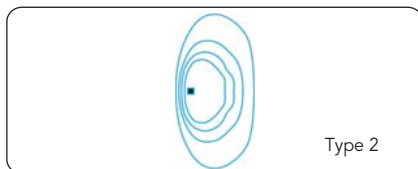
DIMENSIONS



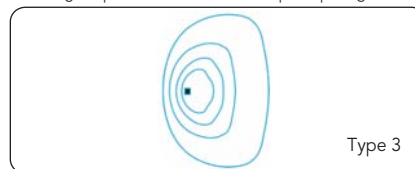
Net Weight:
 45W: 8.353lb 100W: 9.46lb
 70W: 8.664lb 150W: 10.018lb

PHOTOMETRICS

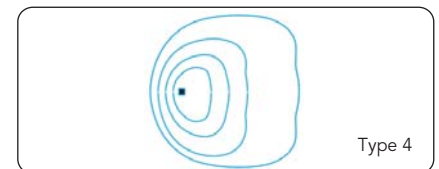
Type 2 optics creates an asymmetric distribution working well in walkway and roadway applications where more light is required "street side" than "house side".



Type 3 optics produces an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



Type 4 is suitable for applications where light is primarily required to forward with minimal backlight. Typical installations include perimeter poles.



PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST. TYPE	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
45W	120-277V/347-480V	3	70	6250lm	139 lm/W	6300lm	140 lm/W
70W	120-277V/347-480V	3	70	9300lm	133 lm/W	9400lm	134 lm/W
100W	120-277V	3	70	13800lm	138 lm/W	14000lm	140 lm/W
110W	347-480V	3	70	15100lm	137 lm/W	15300lm	139 lm/W
150W	120-277V/347-480V	3	70	19800lm	132 lm/W	20000lm	133 lm/W

NOTE: Actual performance may differ as a result of end-user environment and application. All data is design value or typical value, measured under laboratory conditions at 25 C (±5 C) specifications subject to change without notice.

ORDERING GUIDE

Example: CLSRL45W 27V XXK YYY Y

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Photometry	Internal Code
CLSRL	45 45W 70 70W 100 100W 110 110W 150 150W	27V 120-277V 48V 347-480V	40K 4000K 50K 5000K	D Dark Bronze B Black W White SG Silver Gray	P0 120-277V Photocell P3 347V Photocell P4 480V Photocell Blank Without Photocell	T2 TYPE II Photometry T3 TYPE III Photometry T4 TYPE IV Photometry	Blank Alphanumeric

Note: When the voltage is 120-277V, the light is 100W, and the voltage is 110W at 347/480V.