SPECTRASOL
Energy Systems, LLC

c UL us LISTED E359489 | WET LOCATION | 5 YEAR LIMITED WARRANTY

ROADWAY (RL01)

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 5,800 to 20,000 Lumens replaces up to 1000W 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.

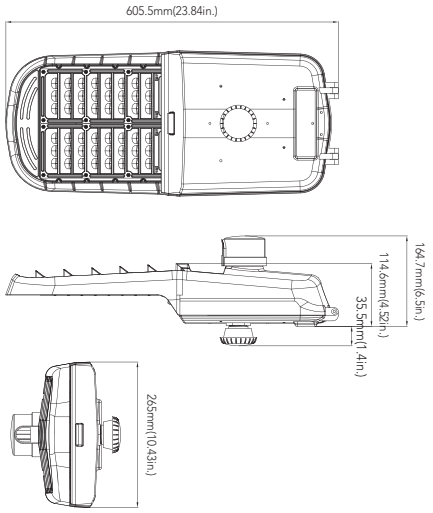
Lifespan

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

Warranty

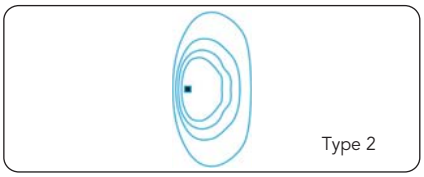
- Five-year warranty.

DIMENSIONS

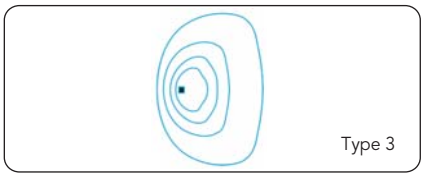


PHOTOMETRICS

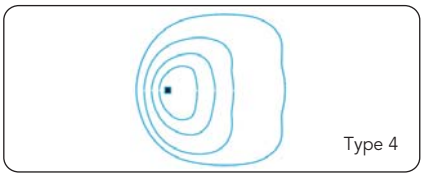
Type 2 optics creates an asymmetric distribution working well in walkway and roadway applications where more light is required "street side" than "house side".



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	5850lm	130 lm/W	6350lm	141 lm/W
70W	120-277V/347-480V	3	70	9100lm	130 lm/W	9400lm	134 lm/W
100W	120-277V	3	70	13300lm	130 lm/W	13800lm	138 lm/W
110W	347-480V	3	70	14300lm	130 lm/W	14700lm	133 lm/W
150W	120-277V/347-480V	3	70	19500lm	130 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℃(±5℃) specifications subject to change without notice.

ORDERING GUIDE

Example:RL01 45W 27V XXK Y Y Y

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Photometry
RL01	**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

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

Please note this specification sheet is considered to be business promotional material and not used for product listing identification purposes

All of the products and specifications can change without prior notice

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