



# ROADWAY (RL01)

## DESCRIPTION

The AOL 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

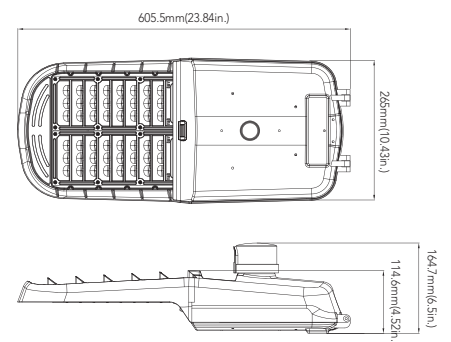
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

### Warranty

- Five-year warranty.



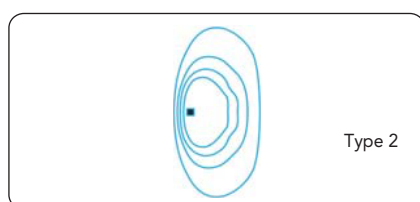
### DIMENSIONS



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

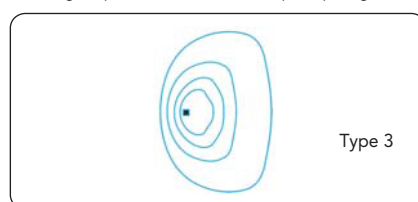
## PHOTOMETRICS

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



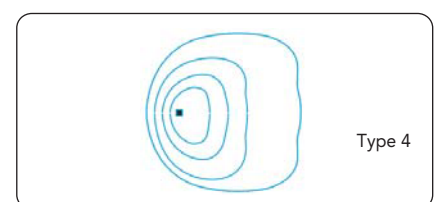
Type 2

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 3

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



Type 4



## PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST. TYPE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (3500K)	LPW (3500K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
45W	120-277V/347-480V	3	70	6100lm	136 lm/W	6200lm	138 lm/W	6300lm	140 lm/W	6350lm	141 lm/W
70W	120-277V/347-480V	3	70	9200lm	131 lm/W	9200lm	131 lm/W	9300lm	133 lm/W	9400lm	134 lm/W
100W	120-277V	3	70	13000lm	130 lm/W	13200lm	132 lm/W	13600lm	136 lm/W	13800lm	138 lm/W
110W	347/480V	3	70	14000lm	127 lm/W	14200lm	129 lm/W	14500lm	132 lm/W	14700lm	134 lm/W
150W	120-277V/347-480V	3	70	19500lm	130 lm/W	19600lm	131 lm/W	19800lm	132 lm/W	20000lm	133 lm/W

## ORDERING GUIDE

Example: AO-RL01-45-LV-XXK-Y-Y-Y-Y-Y

Fixture Type AO- <input type="text"/>	Wattage <input type="text"/>	Voltage <input type="text"/>	CCT <input type="text"/>	Finish <input type="text"/>	Photocell (Option) <input type="text"/>	Motion Sensor (Option) <input type="text"/>	Photometry <input type="text"/>	Internal Code <input type="text"/>
<b>RL01</b> Roadway Light Series	<b>45</b> 45W <b>70</b> 70W <b>100</b> 100W <b>110</b> 110W <b>150</b> 150W	<b>LV</b> 120-277V <b>HV</b> 347-480V	<b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K <b>50K</b> 5000K	<b>SG</b> Silver Gray <b>D</b> Dark Bronze <b>B</b> Black <b>W</b> White	<b>P0</b> 120-277V Photocell <b>P3</b> 347V Photocell <b>P4</b> 480V Photocell <b>Blank</b> Without Photocell	<b>M</b> With Sensor <b>Blank</b> Without Sensor	<b>T2</b> TYPE II Photometry <b>T3</b> TYPE III Photometry <b>T3</b> TYPE IV Photometry	<b>Blank</b> <b>Alphanumeric</b>

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

## ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1120	45	120	0.38
		45	208	0.22
		45	240	0.19
		45	277	0.16
1	1200	45	347	0.13
		45	480	0.09
1	1750	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
1	1850	70	347	0.20
		70	480	0.15
1	2600	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
		110	347	0.32
		110	480	0.23
1	5600	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
		150	347	0.43
		150	480	0.31



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Specifications are subject to change without notice.  
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