



# LED ROADWAY LIGHT (RL02)

## Applications:

Suitable for residential and commercial driveways, streets, walkways and perimeter lighting.

## 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
- EPA: 0.4567

### Optics:

- Available in IES Type II and III distribution
- Offered Standard in 3000K, 3500K, 4000K and 5000K (+/- 275K) CCT and minimum 70 CRI
- Scalable Lumen Packages from 9,200 to 20,000 Lumens
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing

### Electrical:

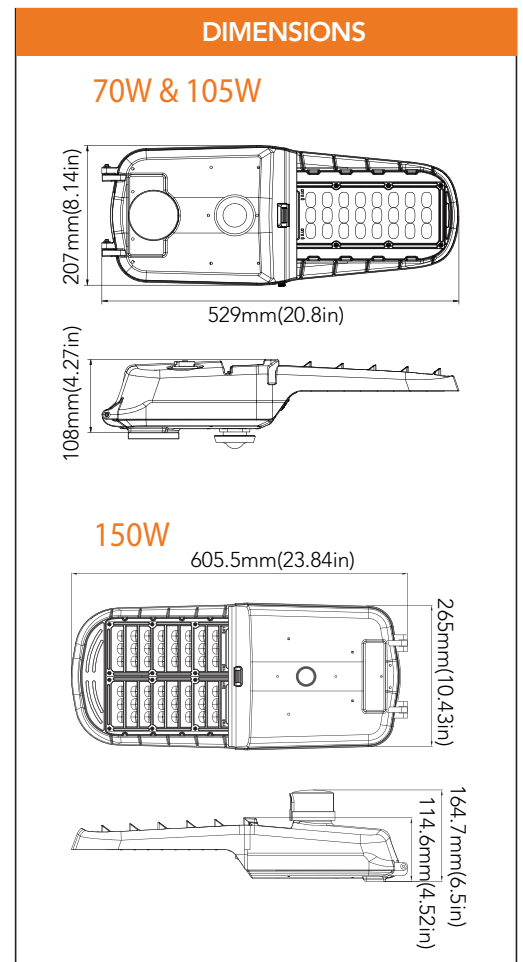
- Standard drivers feature electronic universal voltage 120-277V, 347V-480V operation
- Standard 1-10V dimming and 10kA(@120-277V) / 20KA(@347-480V) common and differential- mode surge protection available
- Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments
- LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life

### Lifespan:

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

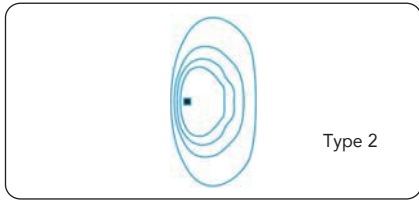
### Warranty:

- Five-year warranty

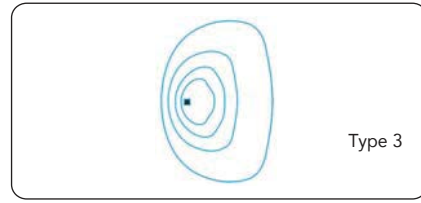


# PHOTOMETRICS

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.



# PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (3500K)	LPW (3500K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	EPA
70W	120-277V	3	70	9600lm	137 lm/W	9600lm	137 lm/W	9900lm	141 lm/W	9900lm	141 lm/W	0.4567
70W	347-480V	3	70	9200lm	131 lm/W	9200lm	131 lm/W	9400lm	134 lm/W	9400lm	134 lm/W	0.4567
105W	120-277V	3	70	14300lm	136 lm/W	14300lm	136 lm/W	14600lm	139 lm/W	14600lm	139 lm/W	0.4567
105W	347-480V	3	70	14000lm	133 lm/W	14000lm	133 lm/W	14200lm	135 lm/W	14200lm	135 lm/W	0.4567
150W	120-277V/347-480V	2	70	19500lm	130 lm/W	19600lm	131 lm/W	19800lm	132 lm/W	20000lm	133 lm/W	0.4711
150W	120-277V/347-480V	3	70	19500lm	130 lm/W	19600lm	131 lm/W	19800lm	132 lm/W	20000lm	133 lm/W	0.4711

# ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1110	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	850	105	120	0.88
		105	208	0.50
		105	240	0.44
		105	277	0.38
	2520	105	347	0.30
		105	480	0.22
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

# ORDERING GUIDE

Example: AO-RL02-70-LV-30K-SG-P-M-T2

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Motion Sensor (Option)	Photometry	Internal Code
AO- <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>RL02</b>	<b>70</b> 70W <b>105</b> 105W <b>150</b> 150W	<b>LV</b> 120-277V <b>HV</b> 347-480V	<b>30K</b> 3000K <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>P</b> With Photocell <b>Blank</b> Without Photocell	<b>M</b> With Sensor <b>Blank</b> Without Sensor	<b>T2<sup>1</sup></b> Type II <b>T3</b> Type III	<b>Blank</b> <b>Alphanumeric</b>

Actual performance may differ as a result of end-user environment and application. All values are design or calculated values measured in laboratory conditions. Specifications subject to change without notice.



**Alpha Omega Lighting**  
www.alphaomegalighting.com

347 N. Church Street • Ripley, WV 25271  
Phone: 304-786-4055 • Email: info@alphaomegalighting.com

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Updated 01-28-2025