

RWLII

LED ROADWAY LIGHTING



ULTRA BRIGHT

HIGH TECH

DURABLE

RWL II Series

LED Roadway Lighting



Product Information

The **RWLII** is a technologically advanced low-profile LED street light, designed to replace traditional lamp fixtures of much higher wattage classes. It is available in numerous choices of optics for a wide range of applications. The **RWLII** is an **IP68** rated fixture constructed from high grade raw materials.

It has a Patented **Air Bi-Pass Convection System** which enables excellent thermal management to ensure long LED life, with extended lumen maintenance and virtually zero fixture maintenance. The **RWLII** is an ultra-bright industry leading high efficacy fixture providing a cost effective solution with a short **ROI** period. It is designed to withstand harsh outdoor weather conditions with an unprecedented 10-Year Limited Warranty.

Patent No. 8,757,842 B2 / 8,272,765 B2 / 6,830,364
Other US and international patents pending.

Application

- Type II Street Lighting
- Type V Round
- Type V Square
- Perimeter Lighting
- Parks and Walkway Lighting
- Parking Lots

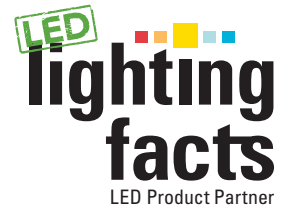
RWL II Series

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Why **LED**[®]

- Technologically Advanced, low profile all-purpose LED roadway lighting
- Superior craftsmanship using high grade raw materials
- Cost effective solution with a Short ROI Period
- Available in 75 / 100 / 120 / 150 / 185 / 220 watt configuration
- Available in different optics for various applications



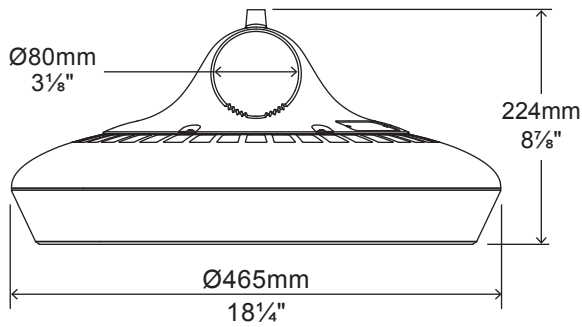
Advantages of RWLII

- Ultra bright industry leading **High Efficacy (lm/W)**
- **Proprietary Optical System** enabling wide angle glare-free lighting for most street lighting applications. Eliminating the need for costly and fragile plastic lenses
- Dark Sky Compliant / Full Cut-Off Optics
- L70 Rating @ Ta 25°C **Over 150,000 hour rated life**
- **Advanced Thermal Technology** enables low LED junction temperatures (T_j) for maintenance free long life
- **Dura-Guard** double layer epoxy coating with industry leading 10 year protection on weather and corrosion
- Optional programmable **RF Wireless Smart Control System with daylight sensor** enabling greater savings and flexibility
- A true industrial grade street light designed to withstand harsh outdoor weather conditions with **IP68** (water, dust & vapor-proof) rating and an exceptional **10-Year Limited Warranty**
- Designed and Engineered in the **USA**

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External Dimensions



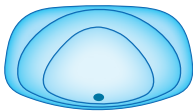
Packaging Information

Quantity	Dimensions (LxWxH)	Weight
1	50 x 50 x 31 cm 19 5/8 x 19 5/8 x 12 1/4 in	13 kg 28.6 lbs

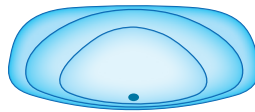
Optics Options

02 - Type II / asymmetric for street and pedestrian walkway applications

S - Short



M - Medium

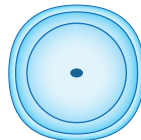


R5 - Type V Round / symmetric for street, parking lot and pedestrian walkway applications

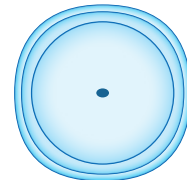
S - Short



M - Medium

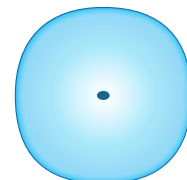


L - Long



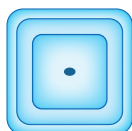
F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



S5 - Type V Square / symmetric for street, parking lot and pedestrian walkway applications

S - Short



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Ordering Information

RWLI	Wattage	Voltage	Optics	Pitch	CCT	Driver
	075 = 75Watt 100 = 100Watt 120 = 120Watt 150 = 150Watt 185 = 185Watt 220 = 220Watt	UV = 90-277VAC HV = 305-528VAC	02 = Type II R5 = Type V Round S5 = Type V Square F5 = Type V Frosted	S = Short M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable DS = Dimmable With Sensor DL = Dali Control LS = Dali Control With Sensor

NOTE: Outdoor application and corrosive environment please request glass lens.
Gray is the standard exterior color. Other colors are available on request.

Example

Part Number	Part Description
RWLI-150HV-02M-50DS	LED Road Way Light / 150 Watt / 305-528VAC / Type II / Medium Pitch / 5000K Cool White / Dimmable with Daylight Sensor

Specification - Type II Medium

Fixture Watts	75 W	100 W	120 W	150 W
Lumens (Total)*	9,225 lm	12,100 lm	14,280 lm	17,550 lm
Efficacy *	123 lm / W	121 lm / W	119 lm / W	117 lm / W
Number of LEDs & Driving Current	24@290mA	24@380mA	24@450mA	24@560mA
T _s - Solder Point Temp *	46°C	54°C	58°C	63°C
L70 Rating @ T _a 25°C	> 185K hours	>180K hours	> 175K hours	> 170K hours
Operational Temperature (T _a)	-40°C ~ 55°C			
Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)			
LED Model	Lumileds / Nichia / Cree			
CRI	75			
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor			
Warranty	10-Year Limited			
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture			
Transient Surge Protection	20kV / 10kA (L - L, L-G)			

* Test data @ T_a 25°C

NOTE: All Values Have ±7% Tolerance

RWL II Series

LED Roadway Lighting

Specification - Type V Round Medium

Fixture Watts	75 W	100 W	120 W	150 W	185 W	220 W
Lumens (Total) *	10,500 lm	13,500 lm	16,560 lm	20,100 lm	22,940 lm	26,180 lm
Efficacy *	140 lm / W	135 lm / W	138 lm / W	134 lm / W	124 lm / W	119 lm / W
Number of LEDs & Driving Current	28@250mA	28@330mA	28@390mA	28@480mA	28@590mA	28@700mA
T _s - Solder Point Temp *	44°C	47°C	54°C	59°C	63°C	70°C
L70 Rating @ T _a 25°C	>190K hours	>185K hours	>180K hours	>175K hours	>160K hours	>150K hours
Operational Temperature (T _a)	-40°C ~ 55°C				-40°C ~ 50°C	
Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)					
LED Model	Lumileds / Nichia / Cree					
CRI	70 / 80					
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor					
Warranty	10-Year Limited					
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture					
Transient Surge Protection	20kV / 10kA (L - L, L-G)					

* Test data @ T_a 25°C

NOTE: All Values Have ±7% Tolerance

Specification - Type V Square Short

Fixture Watts	75 W	100 W	120 W	150 W	185 W	220 W
Lumens (Total)*	10,500 lm	13,500 lm	16,200 lm	20,100 lm	22,940 lm	26,400 lm
Efficacy *	140 lm / W	135 lm / W	135 lm / W	134 lm / W	124 lm / W	120 lm / W
Number of LEDs & Driving Current	28@250mA	28@330mA	28@390mA	28@480mA	28@590mA	28@700mA
T _s - Solder Point Temp *	44°C	47°C	54°C	59°C	63°C	70°C
L70 Rating @ T _a 25°C	>185K hours	>180K hours	>175K hours	>170K hours	>160K hours	>150K hours
Operational Temperature (T _a)	-40°C ~ 55°C				-40°C ~ 50°C	
Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)					
LED Model	Lumileds / Nichia / Cree					
CRI	75					
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor					
Warranty	10-Year Limited					
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture					
Transient Surge Protection	20kV / 10kA (L - L, L-G)					

* Test data @ T_a 25°C

NOTE: All Values Have ±7% Tolerance

