

# RWL II Series

## LED Roadway Lighting

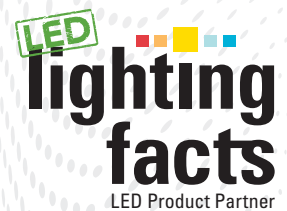


### Advantages of RWL II

- **Technologically Advanced**, low profile design
- 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
- Cost effective solution with a **Short ROI Period**
- Dark Sky Compliant / Full Cut-Off Optics
- L70 Rating @ Ta 25°C **Over 190,000 hour rated life**
- **Advanced Thermal Technology** enables low LED junction temperatures (Tj) 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**

### Application

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



# RWL II Series

## LED Roadway Lighting

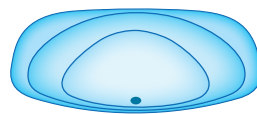
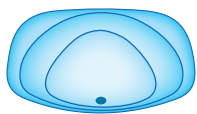
### Optics Options

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

**S - Short**

**M - Medium**

**L - Long**

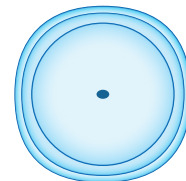
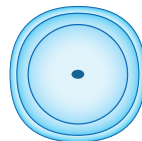


**R5 - Type V Round** / symmetric for street, parking lot and pedestrian walkway applications

**S - Short**

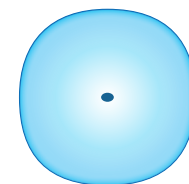
**M - Medium**

**L - Long**



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

**L - Long**

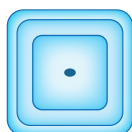


**S5 - Type V Square** / symmetric for street, parking lot and pedestrian walkway applications

**S - Short**

**M - Medium**

**L - Long**



# RWL II Series

## LED Roadway Lighting

### Ordering Information

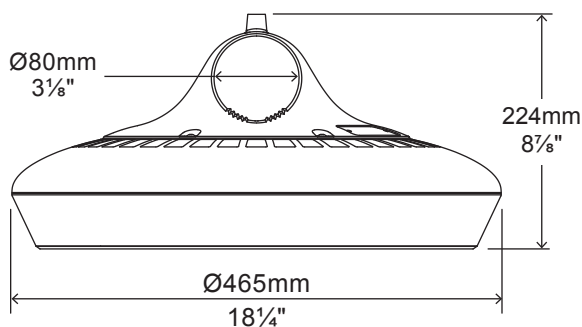
RWLII	Wattage	Voltage	Optics	Pitch	CCT	Driver
	075 = 75Watt 100 = 100Watt 120 = 120Watt 150 = 150Watt 185 = 185Watt 220 = 220Watt	UV = 90-277VAC HV = 305-528VAC	02 = Type II R5 = Type V Round S5 = Type V Square F5 = Type V Frosted	S = Short M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable 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
<b>RWLII-75HV-02M-50DS</b>	LED Road Way Light / 75Watt / 305-528VAC / Type II / Medium Pitch / 5000K Cool White / Dimmable with Daylight Sensor

### 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

# RWL II Series

## LED Roadway Lighting - 75Watt - Type II

### Specification - Type II Short

Input Voltage	90-277VAC 47-63Hz (348 & 480VAC available)
Fixture Watts	75 Watt
Lumens (Total) *	9,150 Lumens
Efficacy *	122 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	24@290mA
CRI	75
T <sub>s</sub> - Solder Point Temp*	46°C
L70 Rating @ T <sub>a</sub> 25°C	> 185K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



### Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	392	36.5
5m / 16.5ft	267	24.5
6m / 20ft	171	16
7m / 23ft	131	12
8m / 26ft	96	9
9m / 29.5ft	68	6.5
10m / 33ft	48	4.5

# RWL II Series

## LED Roadway Lighting - 75Watt - Type II

### Specification - Type II Medium

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	75 Watt
Lumens (Total) *	9,225 Lumens
Efficacy *	123 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	24@290mA
CRI	75
T <sub>s</sub> - Solder Point Temp*	46°C
L70 Rating @ T <sub>a</sub> 25°C	> 185K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



### Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	325	30
5m / 16.5ft	228	21
6m / 20ft	144	13.5
7m / 23ft	110	10
8m / 26ft	80	7.5
9m / 29.5ft	57	5.5
10m / 33ft	41	3.5

# RWL II Series

## LED Roadway Lighting - 75Watt - Type V Round

### Specification - Type V Round Medium

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	75 Watt
Lumens (Total) *	10,575 Lumens
Efficacy *	141 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@250mA
CRI	70 / 80
T <sub>s</sub> - Solder Point Temp *	44°C
L70 Rating @ T <sub>a</sub> 25°C	> 190K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

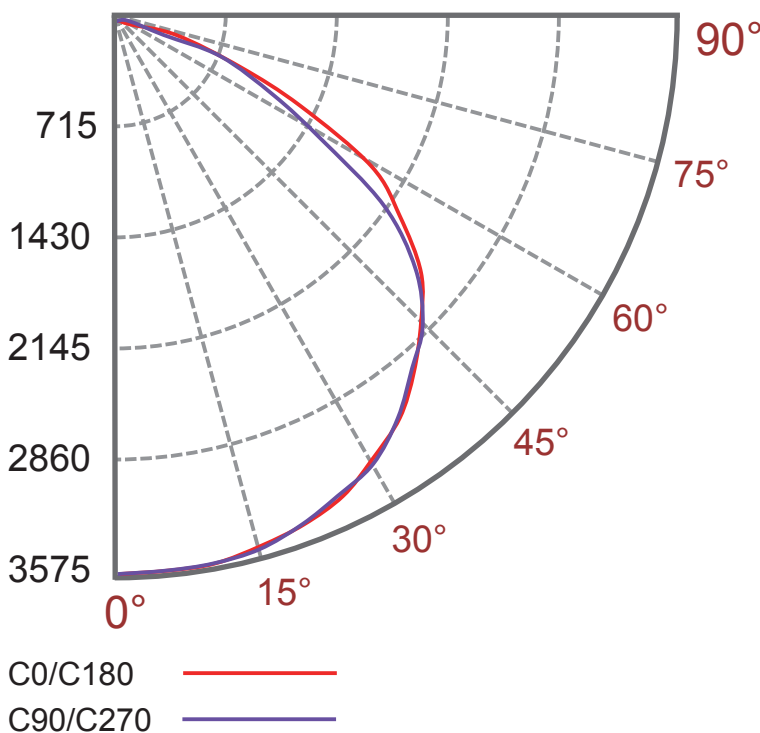
\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



### Light Distribution Curve



### Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	2897.6	27.4%
0-40	4864.5	46.0%
0-60	8925.3	84.4%
0-90	10557.0	100.0%
0-180	10575.0	100.0%

### Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	222	21
5m / 16.5ft	142	13
6m / 20ft	99	9
7m / 23ft	73	6.5
8m / 26ft	55	5
9m / 29.5ft	44	4
10m / 33ft	36	3.5

# RWL II Series

## LED Roadway Lighting - 75Watt - Type V Round

### Specification - Type V Round Long

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	75 Watt
Lumens (Total) *	9,075 Lumens
Efficacy *	121 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@250mA
CRI	75
T <sub>s</sub> - Solder Point Temp *	44°C
L70 Rating @ T <sub>a</sub> 25°C	> 185K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

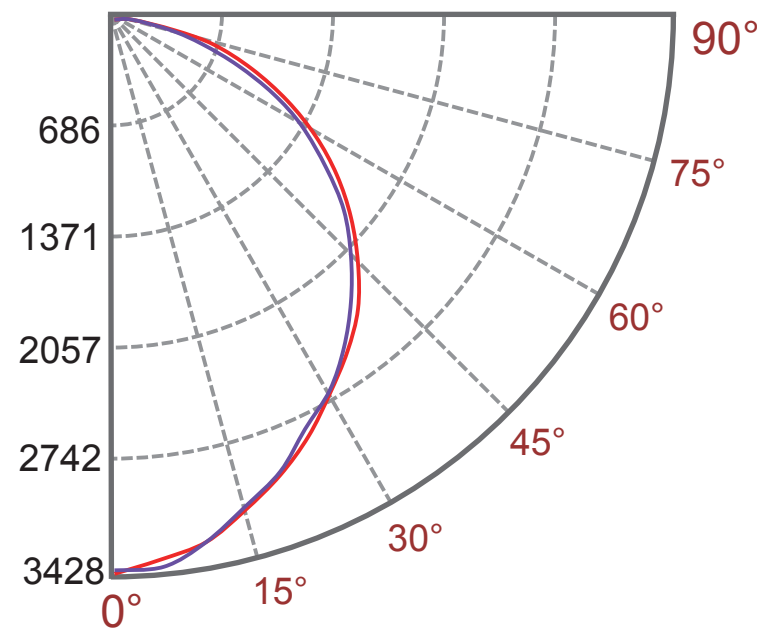
\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



### Light Distribution Curve



C0/C180 —  
 C90/C270 —

### Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	2513.8	27.7%
0-40	4065.6	44.8%
0-60	7133.0	78.6%
0-90	9038.7	99.6%
0-180	9075.0	100.0%

### Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	214	20
5m / 16.5ft	137	13
6m / 20ft	95	9
7m / 23ft	70	6.5
8m / 26ft	53.5	5
9m / 29.5ft	42	4
10m / 33ft	34	3

# RWL II Series

## LED Roadway Lighting - 75Watt - Type V Frosted

### Specification - Type V Frosted Long

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	75 Watt
Lumens (Total) *	9,300 Lumens
Efficacy *	124 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@250mA
CRI	75
T <sub>s</sub> - Solder Point Temp *	44°C
L70 Rating @ T <sub>a</sub> 25°C	> 185K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

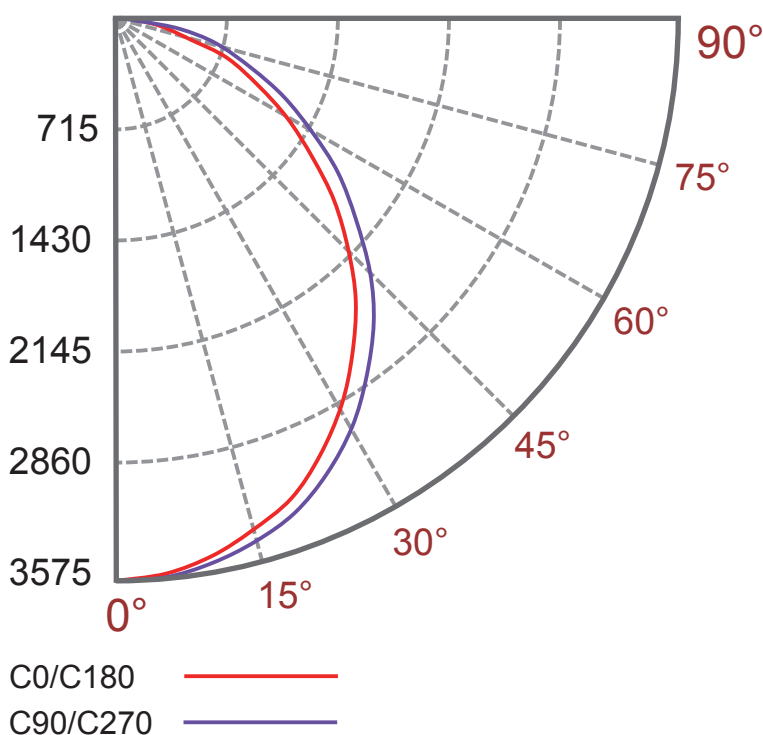
\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



### Light Distribution Curve



### Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	2734.2	29.4%
0-40	4408.2	47.4%
0-60	7505.1	80.7%
0-90	9262.8	99.6%
0-180	9300.0	100.0%

### Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	223	21
5m / 16.5ft	143	13
6m / 20ft	99	9
7m / 23ft	73	6.5
8m / 26ft	56	5
9m / 29.5ft	44	4
10m / 33ft	36	3.5



# RWL II Series

## LED Roadway Lighting - 75Watt - Type V Square

### Specification - Type V Square Short

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	75 Watt
Lumens (Total) *	10,575 Lumens
Efficacy *	141 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@250mA
CRI	75
T <sub>s</sub> - Solder Point Temp *	44°C
L70 Rating @ T <sub>a</sub> 25°C	> 185K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

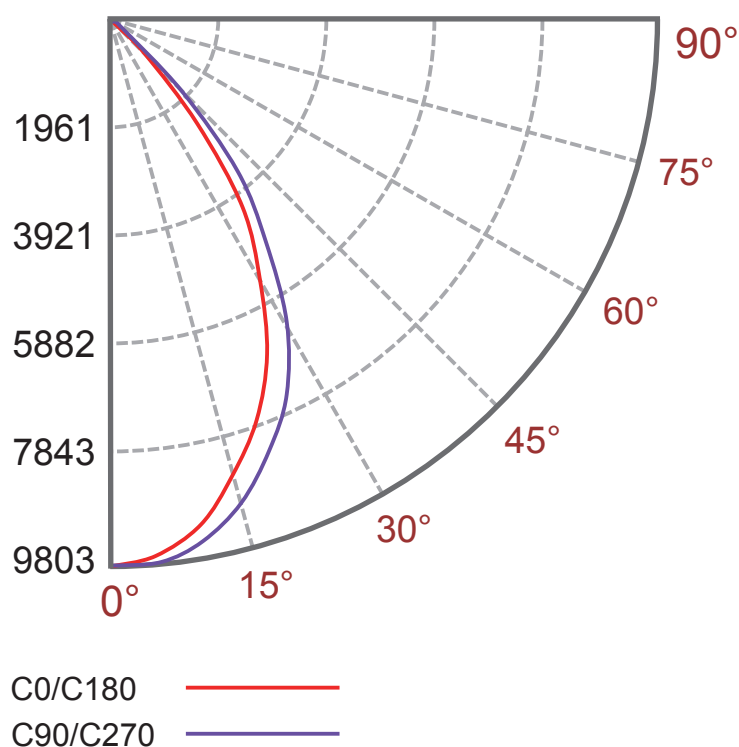
\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



### Light Distribution Curve



### Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	6302.7	59.6%
0-40	9009.9	85.2%
0-60	10546.4	99.9%
0-90	10575.0	100.0%
0-180	10575.0	100.0%

### Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	613	57
5m / 16.5ft	392	36.5
6m / 20ft	272	25
7m / 23ft	200	18.5
8m / 26ft	153	14
9m / 29.5ft	121	11
10m / 33ft	98	9