

RWL II Series

LED Roadway Lighting

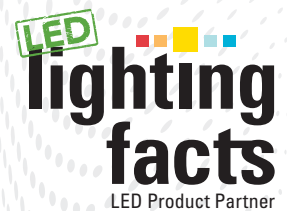


Advantages of RWL II

- **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 160,000 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 V Round
- Type V Square
- Parking Lots
- Perimeter Lighting
- Parks and Walkway Lighting



RWL II Series

LED Roadway Lighting

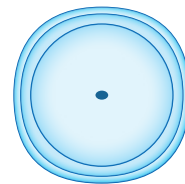
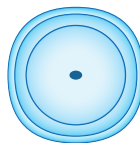
Optics Options

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

S - Short

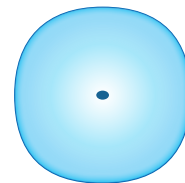
M - Medium

L - Long



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

L - Long

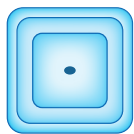


S5 - Type V Square / symmetric for street, parking lot and pedestrian walkway applications

S - Short

M - Medium

L - Long



RWL II Series

LED Roadway Lighting

Ordering Information

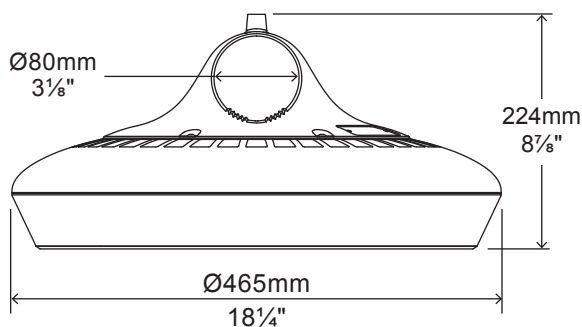
RWLII	Wattage	Voltage	Optics	Pitch	CCT	Driver
	075 = 75Watt 100 = 100Watt 120 = 120Watt 150 = 150Watt 185 = 185Watt 220 = 220Watt	UV = 90-277VAC HV = 305-528VAC	02 = Type II R5 = Type V Round S5 = Type V Square F5 = Type V Frosted	S = Short M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable 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
RWLII185HV-S5S-50DS	LED Road Way Light / 185 Watt / 305-528VAC / Type V Square / Short 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 - 185Watt - Type V Round

Specification - Type V Round Medium

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	185 Watt
Lumens (Total) *	22,940 Lumens
Efficacy *	124 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@590mA
CRI	80
T _J - Junction Temp (T _a @ 25°C)	63°C
L70 Rating @ T _a 25°C	> 170K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T _a)	-40°C ~ 50°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

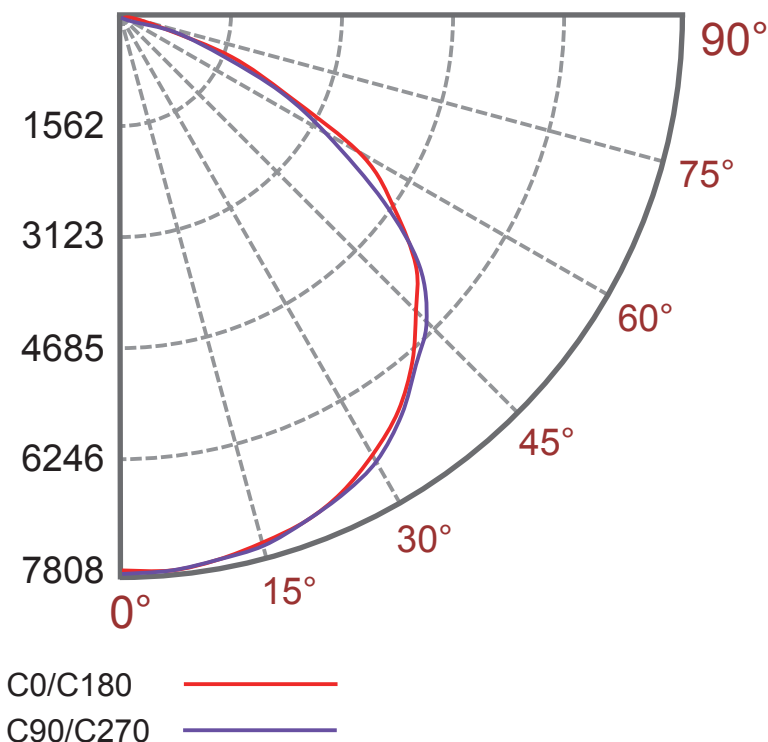
* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	6331.4	27.6%
0-40	10621.2	46.3%
0-60	19430.2	84.7%
0-90	22940.0	100.0%
0-180	22940.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	486	45
5m / 16.5ft	311	29
6m / 20ft	216	20
7m / 23ft	159	15
8m / 26ft	121.5	11
9m / 29.5ft	96	9
10m / 33ft	78	7

RWL II Series

LED Roadway Lighting - 185Watt - Type V Round

Specification - Type V Round Long

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	185 Watt
Lumens (Total) *	19,980 Lumens
Efficacy *	108 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@590mA
CRI	80
T _J - Junction Temp (T _a @ 25°C)	63°C
L70 Rating @ T _a 25°C	> 170K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T _a)	-40°C ~ 50°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

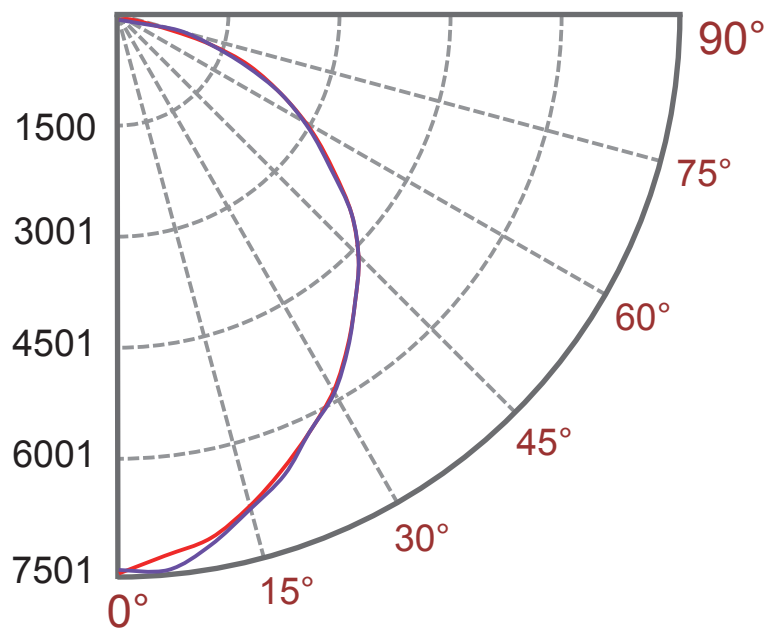
* Test data @ 25°C

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	5534.5	27.7%
0-40	8971.0	44.9%
0-60	15704.3	78.6%
0-90	19940.0	99.8%
0-180	19980.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	468	43.5
5m / 16.5ft	299.5	28
6m / 20ft	208	19
7m / 23ft	153	14
8m / 26ft	117	11
9m / 29.5ft	92.5	8.5
10m / 33ft	75	7

RWL II Series

LED Roadway Lighting - 185Watt - Type V Frosted

Specification - Type V Frosted Long

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	185 Watt
Lumens (Total) *	20,165 Lumens
Efficacy *	109 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@590mA
CRI	80
T _J - Junction Temp (T _a @ 25°C)	63°C
L70 Rating @ T _a 25°C	> 170K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T _a)	-40°C ~ 50°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

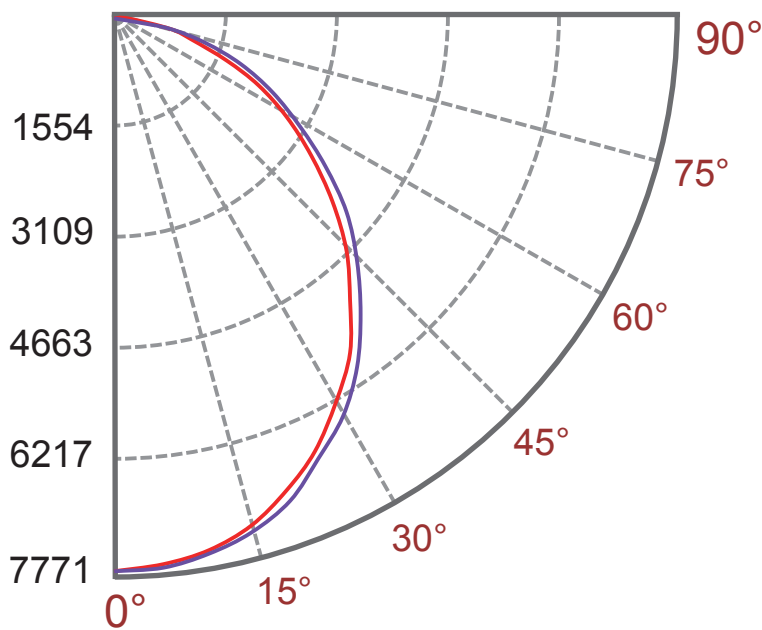
* Test data @ 25°C

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	5928.5	29.4%
0-40	9578.4	47.5%
0-60	16273.2	80.7%
0-90	20144.8	99.9%
0-180	20165.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	485.5	45
5m / 16.5ft	311	29
6m / 20ft	216	20
7m / 23ft	158.5	15
8m / 26ft	121	11
9m / 29.5ft	96	9
10m / 33ft	78	7

RWL II Series

LED Roadway Lighting - 185Watt - Type V Square

Specification - Type V Square Short

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	185 Watt
Lumens (Total) *	22,940 Lumens
Efficacy *	124 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@590mA
CRI	75
T _J - Junction Temp (T _a @ 25°C)	67°C
L70 Rating @ T _a 25°C	> 160K hours
Lighting Control	Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor
Warranty	10-Year Limited
Operational Temperature (T _a)	-40°C ~ 50°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP68 Waterproof Rated Fixture
Transient Surge Protection	20kV / 10kA (L - L, L-G)

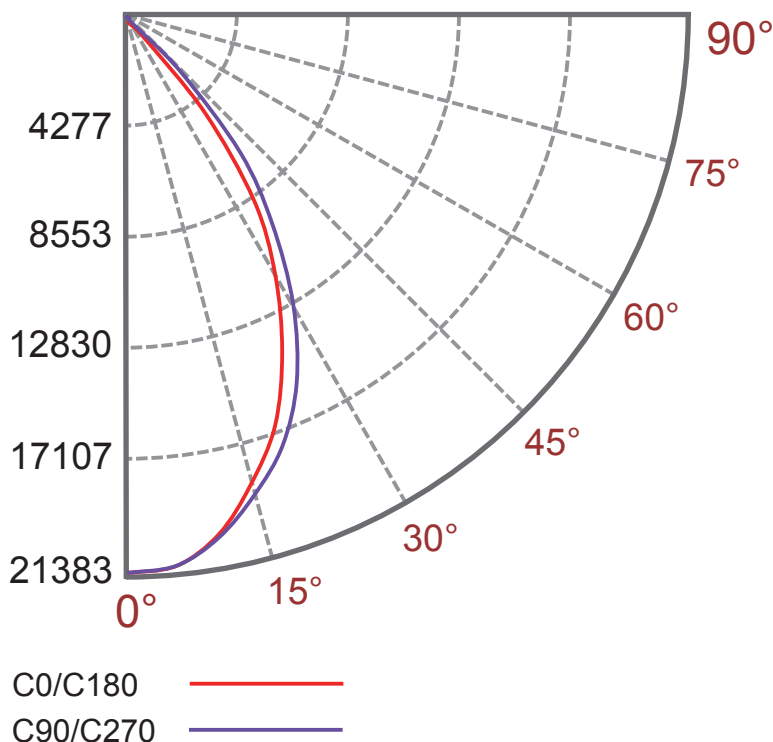
* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	13832.8	60.3%
0-40	19751.3	86.1%
0-60	22894.1	99.8%
0-90	22917.1	99.9%
0-180	22940.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	1335	124
5m / 16.5ft	854.5	79
6m / 20ft	593.5	55
7m / 23ft	436	40.5
8m / 26ft	334	31
9m / 29.5ft	264	24.5
10m / 33ft	214	20