

RWL II Series

LED Roadway Lighting

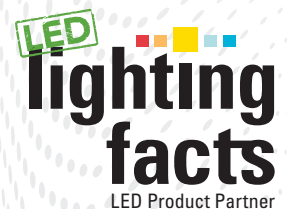


Advantages of RWL II

- **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



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LED Roadway Lighting

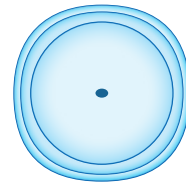
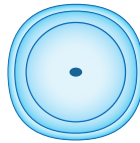
Optics Options

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

S - Short

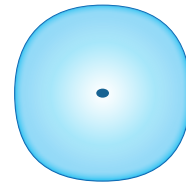
M - Medium

L - Long



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

L - Long

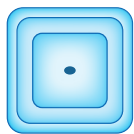


S5 - Type V Square / symmetric for street, parking lot and pedestrian walkway applications

S - Short

M - Medium

L - Long



RWL II Series

LED Roadway Lighting

Ordering Information

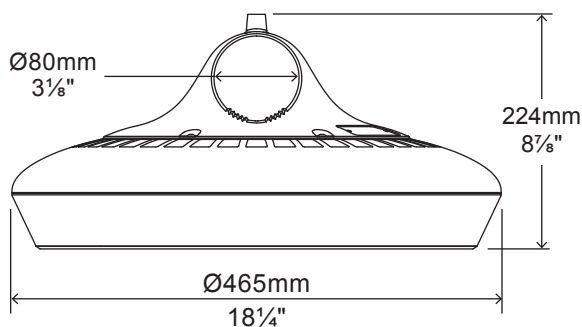
RWLI	Wattage	Voltage	Optics	Pitch	CCT	Driver
	075 = 75Watt 100 = 100Watt 120 = 120Watt 150 = 150Watt 185 = 185Watt 220 = 220Watt	UV = 90-277VAC HV = 305-528VAC	02 = Type II R5 = Type V Round S5 = Type V Square F5 = Type V Frosted	S = Short M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable 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
RWLI220HV-S5S-50DS	LED Road Way Light / 225 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 - 220Watt

Specification - Type V Round Medium

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	220 Watt
Lumens (Total) *	26,180 Lumens
Efficacy *	119 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@700mA
CRI	70 / 80
T _J - Junction Temp (T _a @ 25°C)	71°C
L70 Rating @ T _a 25°C	> 150K 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	6kV / 3kA (L - L, L-G)

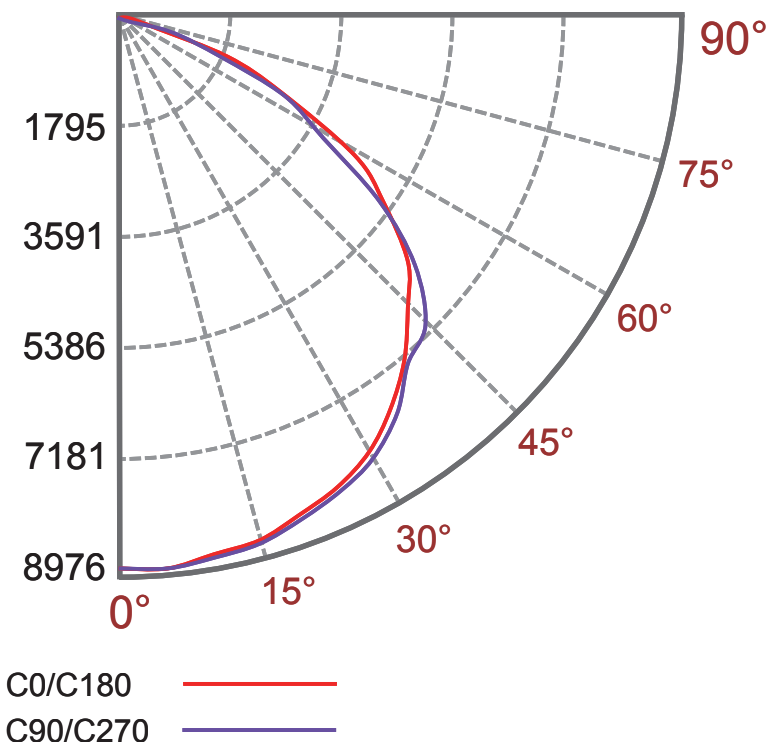
* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	7251.9	27.7%
0-40	12147.5	46.4%
0-60	22200.6	84.8%
0-90	26180.0	100.0%
0-180	26180.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	558	52
5m / 16.5ft	357	33
6m / 20ft	248	23
7m / 23ft	182	17
8m / 26ft	139.5	13
9m / 29.5ft	110	10
10m / 33ft	89	8

RWL II Series

LED Roadway Lighting - 220Watt

Specification - Type V Round Long

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	220 Watt
Lumens (Total) *	26,180 Lumens
Efficacy *	119 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@700mA
CRI	70 / 80
T _J - Junction Temp (T _a @ 25°C)	71°C
L70 Rating @ T _a 25°C	> 150K 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	6kV / 3kA (L - L, L-G)

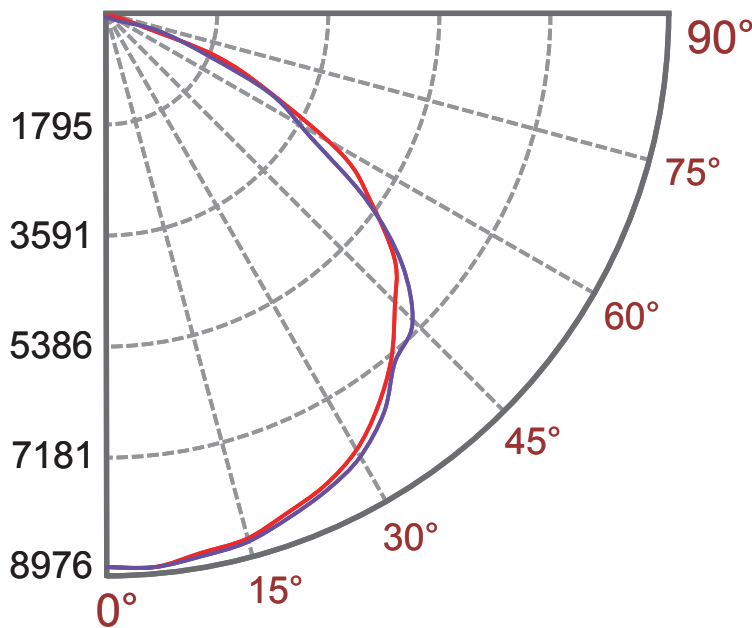
* Test data @ 25°C

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NOTE: Light intensities measured directly below fixture



Light Distribution Curve



C0/C180 —
 C90/C270 —

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	7278.0	27.8%
0-40	11754.8	44.9%
0-60	20603.7	78.7%
0-90	26075.3	99.6%
0-180	26180.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	558	52
5m / 16.5ft	357	33
6m / 20ft	248	23
7m / 23ft	182	17
8m / 26ft	139.5	13
9m / 29.5ft	110	10
10m / 33ft	89	8

RWL II Series

LED Roadway Lighting - 220Watt

Specification - Type V Frosted Long

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	220 Watt
Lumens (Total) *	23,540 Lumens
Efficacy *	107 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@700mA
CRI	70 / 80
T _J - Junction Temp (T _a @ 25°C)	71°C
L70 Rating @ T _a 25°C	> 150K 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	6kV / 3kA (L - L, L-G)

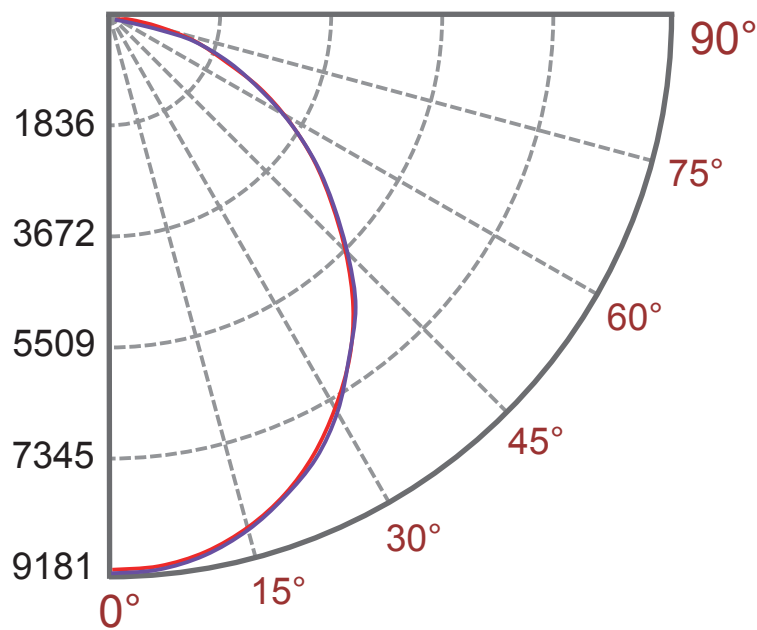
* Test data @ 25°C

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	6897.2	29.3%
0-40	11134.4	47.3%
0-60	18949.7	80.5%
0-90	23492.9	99.8%
0-180	23540.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	559.5	52
5m / 16.5ft	358	33
6m / 20ft	249	23
7m / 23ft	183	17
8m / 26ft	140	13
9m / 29.5ft	110.5	10
10m / 33ft	89.5	8

RWL II Series

LED Roadway Lighting - 220Watt

Specification - Type V Square Short

Input Voltage	90-277VAC 47~63Hz (348 & 480VAC available)
Fixture Watts	220 Watt
Lumens (Total)*	26,400 Lumens
Efficacy*	120 Lumens / W
LED Model	Lumileds / Nichia / Cree
Number of LEDs & Driving Current	28@700mA
CRI	75
T _J - Junction Temp (T _a @ 25°C)	71°C
L70 Rating @ T _a 25°C	> 150K 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	6kV / 3kA (L - L, L-G)

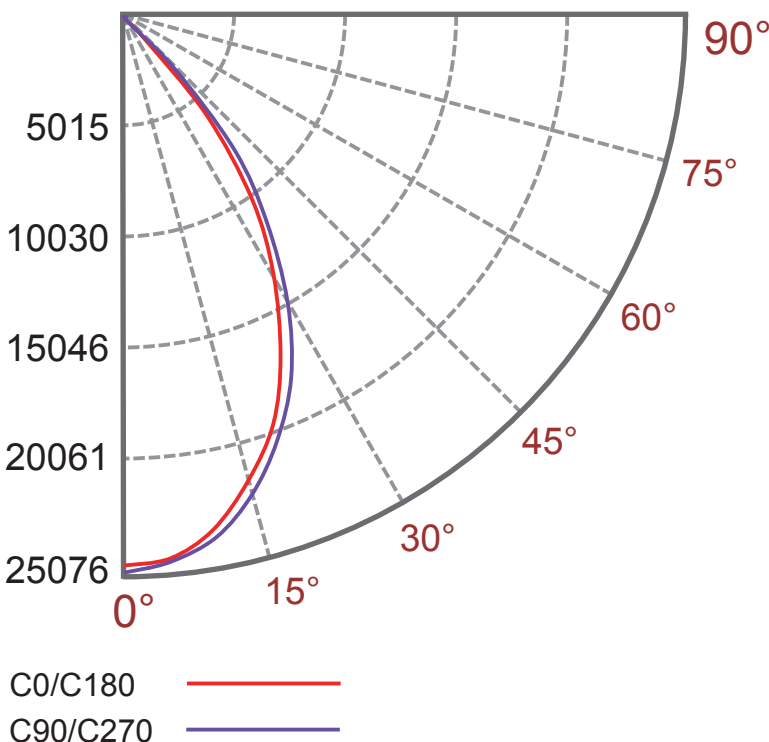
* Test data @ 25°C

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NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	15919.2	60.3%
0-40	22756.8	86.2%
0-60	26373.6	99.9%
0-90	26400.0	100.0%
0-180	26400.0	100.0%

Illumination Levels

Mounting Height	LUX	FC
4m / 13ft	1542	143
5m / 16.5ft	987	92
6m / 20ft	685	64
7m / 23ft	503	47
8m / 26ft	385	36
9m / 29.5ft	305	28
10m / 33ft	247	23