

RWLII Series

LED Roadway Lighting



Advantages of RWLII

- Available in 100 ~ 220 Watt configurations with various optics
- Ultra-bright high efficacy up to 170 lm / W
- Proprietary reflector optics enabling glare-free uniform lighting, eliminating the need for costly and fragile plastic lenses
- Advanced thermal technology enables low LED junction temperatures (Tj) for maintenance free long life
- IP68 rated tri-proof (dust, vapor & water-proof) luminaire
- Dark Sky compliant / full cut-off optics
- Available with versatile mounting options for various street lighting applications
- Titanium rated high efficiency LED driver with smart circuitry
- L70 ≥ 150,000 hours with an exceptional 10-year limited warranty
- Designed and engineered in the USA



Years Warranty



Wet Location



Impact Resistance

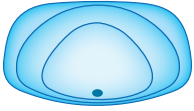
Applications

- Residential Streets
- Urban Roads
- Motorways
- Boulevards
- Perimeters
- Parking Lots

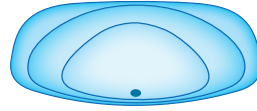
Optic Options

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

S - Short

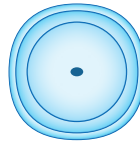


M - Medium



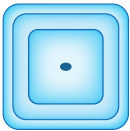
R5 - Type V Round / symmetric for street, parking lot and pedestrian walkway applications

M - Medium



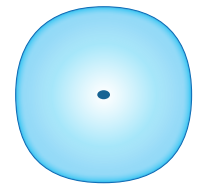
S5 - Type V Square / symmetric for street, parking lot and pedestrian walkway applications

S - Short



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

L - Long



RWLII Series

LED Roadway Lighting - 220Watt

Ordering Information

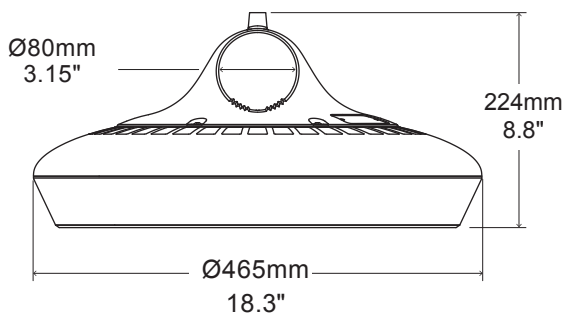
| RWLII | Wattage | Voltage | Optics | Pitch | CCT | Driver & Control |
|-------|--|---|--|-------------------------------------|--|------------------------------------|
| | 100 = 100W 125 = 125W 150 = 150W 185 = 185W 220 = 220W | UV = 100-277VAC HV = 200-480VAC DV = 127-390VDC | 02 = Type II R5 = Type 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 |

NOTE: Gray is the standard exterior color.

Example

| Part Number | Part Description |
|----------------------------|--|
| RWLII220UV-R5M-50DM | LED Roadway Light / 220 Watt / 100-277VAC / Type II Round / Medium Pitch / 5000K Cool White / Dimmable |

External Dimensions



Packaging Information

| Quantity | Dimensions (LxWxH) | Weight |
|----------|--|-------------------|
| 1 | 50 x 50 x 31 cm 19.7 x 19.7 x 12.2 in | 13 kg 28.6 lbs |



RWLII Series

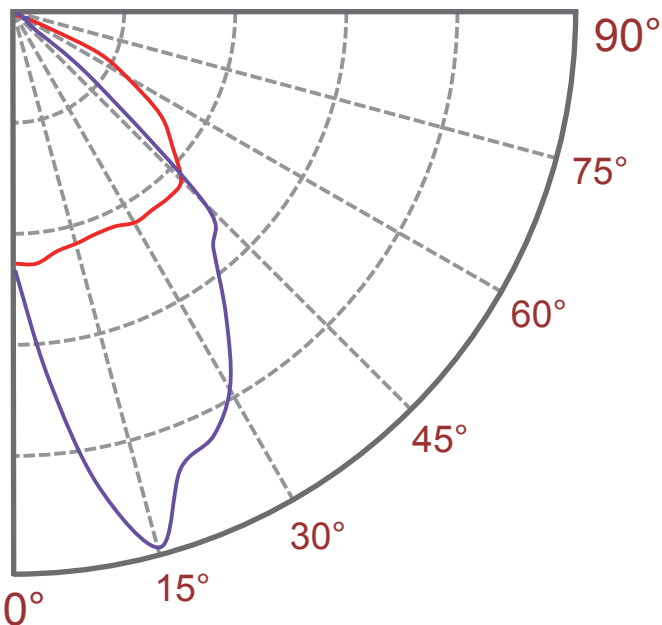
LED Roadway Lighting - 220Watt

Specification - Type II Short

| | |
|---|---|
| Fixture Watts | 220 W |
| Lumens (Total)* | 28,600 lm |
| Efficacy * | 130 lm / W |
| Number of LEDs & Driving Current | 96@730mA |
| T _s - Solder Point Temp * | 68°C / 154°F |
| L70 Rating @ T _a 25°C | >150K hours |
| Operational Temperature (T _a) | -40° ~ 55°C / -40° ~ 131°F |
| Input Voltage | 100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC |
| LED Model | Lumileds / Nichia / Cree |
| CRI | >75 |
| Lighting Control | Dimmable (0-10V, PWM) |
| Warranty | 10-Year Limited |
| Storage Temp. / Humidity | -50° ~ 80°C / -58° ~ 176°F / IP68 Rated Fixture |
| Transient Surge Protection | 10kV / 5kA (L-L, L-G) Optional 20kV / 10kA |

* Test data @ T_a: 25°C. All lumen 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 | 11,612 | 40.6% |
| 0-40 | 18,304 | 64.0% |
| 0-60 | 27,542 | 96.3% |
| 0-90 | 28,571 | 99.9% |
| 0-180 | 28,600 | 100.0% |

RWLII Series

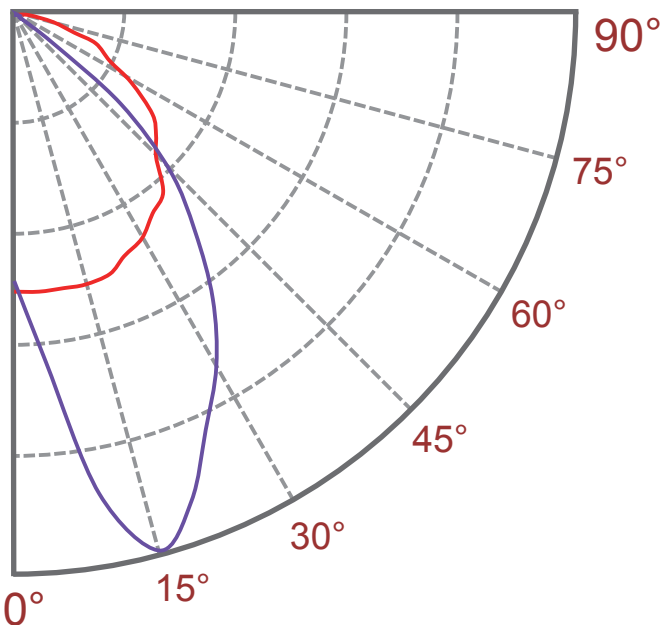
LED Roadway Lighting - 220Watt

Specification - Type II Medium

| | |
|---|---|
| Fixture Watts | 220 W |
| Lumens (Total)* | 27,500 lm |
| Efficacy * | 125 lm / W |
| Number of LEDs & Driving Current | 96@730mA |
| T _s - Solder Point Temp * | 68°C / 154°F |
| L70 Rating @ T _a 25°C | >150K hours |
| Operational Temperature (T _a) | -40° ~ 55°C / -40° ~ 131°F |
| Input Voltage | 100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC |
| LED Model | Lumileds / Nichia / Cree |
| CRI | >75 |
| Lighting Control | Dimmable (0-10V, PWM) |
| Warranty | 10-Year Limited |
| Storage Temp. / Humidity | -50° ~ 80°C / -58° ~ 176°F / IP68 Rated Fixture |
| Transient Surge Protection | 10kV / 5kA (L-L, L-G) Optional 20kV / 10kA |

* Test data @ T_a: 25°C. All lumen 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 | 9,240 | 33.6% |
| 0-40 | 14,630 | 53.2% |
| 0-60 | 23,485 | 85.4% |
| 0-90 | 27,418 | 99.7% |
| 0-180 | 27,500 | 100.0% |

RWLII Series

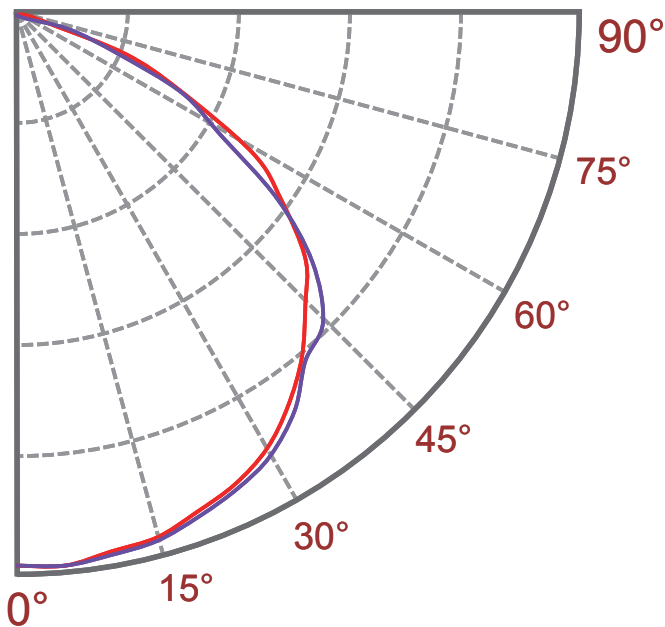
LED Roadway Lighting - 220Watt

Specification - Type V Round Medium

| | |
|---|---|
| Fixture Watts | 220 W |
| Lumens (Total)* | 32,340 lm |
| Efficacy * | 147 lm / W |
| Number of LEDs & Driving Current | 112@625mA |
| T _s - Solder Point Temp * | 66°C / 151°F |
| L70 Rating @ T _a 25°C | >150K hours |
| Operational Temperature (T _a) | -40° ~ 55°C / -40° ~ 131°F |
| Input Voltage | 100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC |
| LED Model | Lumileds / Nichia / Cree |
| CRI | >75 |
| Lighting Control | Dimmable (0-10V, PWM) |
| Warranty | 10-Year Limited |
| Storage Temp. / Humidity | -50° ~ 80°C / -58° ~ 176°F / IP68 Rated Fixture |
| Transient Surge Protection | 10kV / 5kA (L-L, L-G) Optional 20kV / 10kA |

* Test data @ T_a: 25°C. All lumen 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 | 8,958 | 27.7% |
| 0-40 | 15,006 | 46.4% |
| 0-60 | 27,424 | 84.8% |
| 0-90 | 32,340 | 100.0% |
| 0-180 | 32,340 | 100.0% |

RWLII Series

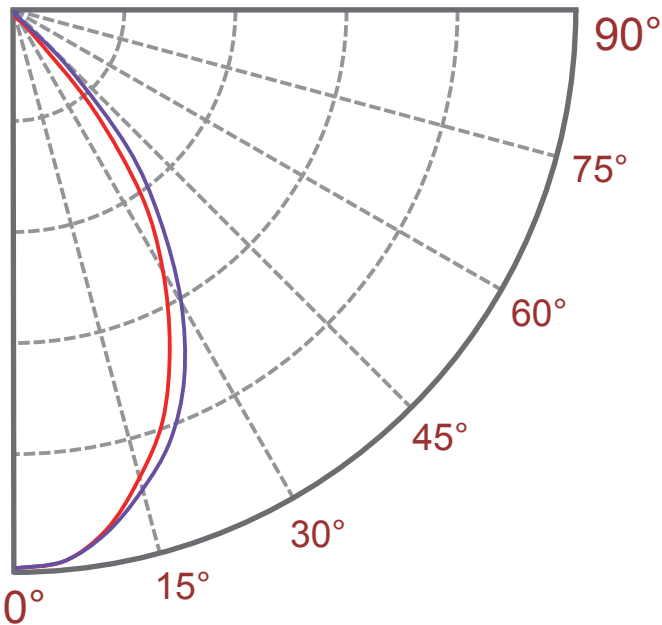
LED Roadway Lighting - 220Watt

Specification - Type V Square Short

| | |
|---|---|
| Fixture Watts | 220 W |
| Lumens (Total)* | 30,360 lm |
| Efficacy * | 138 lm / W |
| Number of LEDs & Driving Current | 112@625mA |
| T _s - Solder Point Temp * | 68°C / 154°F |
| L70 Rating @ T _a 25°C | >150K hours |
| Operational Temperature (T _a) | -40° ~ 55°C / -40° ~ 131°F |
| Input Voltage | 100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC |
| LED Model | Lumileds / Nichia / Cree |
| CRI | >75 |
| Lighting Control | Dimmable (0-10V, PWM) |
| Warranty | 10-Year Limited |
| Storage Temp. / Humidity | -50° ~ 80°C / -58° ~ 176°F / IP68 Rated Fixture |
| Transient Surge Protection | 10kV / 5kA (L-L, L-G) Optional 20kV / 10kA |

* Test data @ T_a: 25°C. All lumen 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 | 18,307 | 60.3% |
| 0-40 | 26,140 | 86.1% |
| 0-60 | 30,299 | 99.8% |
| 0-90 | 30,330 | 99.9% |
| 0-180 | 30,360 | 100.0% |

RWLII Series

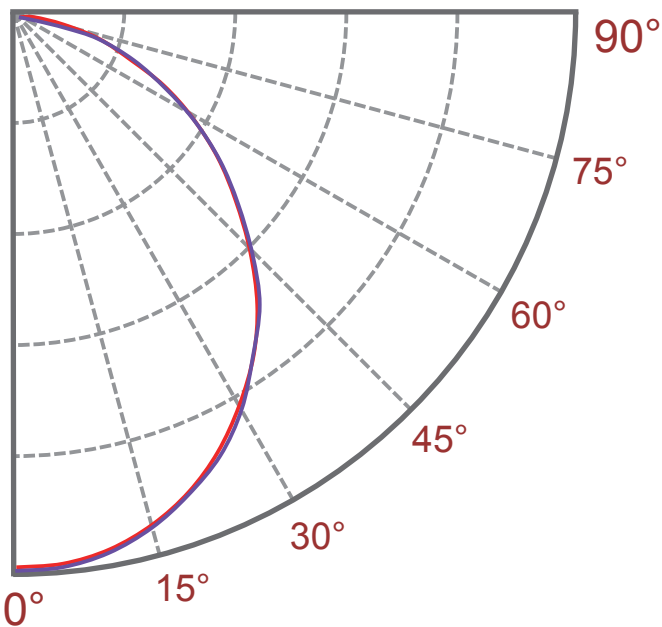
LED Roadway Lighting - 220Watt

Specification - Type V Frosted Long

| | |
|---|---|
| Fixture Watts | 220 W |
| Lumens (Total)* | 27,500 lm |
| Efficacy * | 125 lm / W |
| Number of LEDs & Driving Current | 112@625mA |
| T _s - Solder Point Temp * | 67°C / 153°F |
| L70 Rating @ T _a 25°C | >150K hours |
| Operational Temperature (T _a) | -40° ~ 55°C / -40° ~ 131°F |
| Input Voltage | 100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC |
| LED Model | Lumileds / Nichia / Cree |
| CRI | >75 |
| Lighting Control | Dimmable (0-10V, PWM) |
| Warranty | 10-Year Limited |
| Storage Temp. / Humidity | -50° ~ 80°C / -58° ~ 176°F / IP68 Rated Fixture |
| Transient Surge Protection | 10kV / 5kA (L-L, L-G) Optional 20kV / 10kA |

* Test data @ T_a: 25°C. All lumen 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 | 8,058 | 29.3% |
| 0-40 | 13,008 | 47.3% |
| 0-60 | 22,138 | 80.5% |
| 0-90 | 27,445 | 99.8% |
| 0-180 | 27,500 | 100.0% |