

# RWL3525 Series

LED Roadway Lighting



## Advantages of RWL3525

- Future-proof LED roadway / street light
- Available in 35 ~ 100 Watt configurations with various optics
- Ultra-bright industry leading high efficacy up to 179 lm / W
- Proprietary reflector optics enabling glare-free uniform lighting and 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
- Ultra-wide angle butterfly optics enabling longer pole spacing
- Optional wireless smart control system with daylight sensor enabling greater savings and flexibility
- Titanium rated high efficiency LED driver with smart circuitry
- L70 ≥ 135,000 hours with an exceptional 10-year limited warranty
- Designed and engineered in the USA

## Applications

- Residential Streets
- Urban Roads
- Parking Lots
- Perimeters
- Parks and Playgrounds
- Walkways



Years Warranty



Smart Control



Wet Location



Impact Resistance

# RWL3525 Series

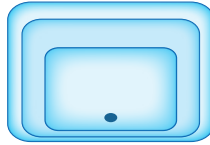
## LED Roadway Lighting

### Optic Options

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

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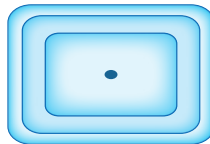
**M - Medium**



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

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**M - Medium**



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

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**L - Long**



# RWL3525 Series

LED Roadway Lighting - 100Watt

## Ordering Information

| RWL3525- | Wattage   | Voltage   | Optics  | Pitch                  | CCT                                    | Driver & Control *   |
|----------|---|---|---|------------------------|--|--|
|          | 035 = 35Watt<br>055 = 55Watt<br>075 = 75Watt<br>100 = 100Watt | UV = 100-277VAC<br>HV = 200-480VAC<br>DV = 127-390VDC | 02 = Type II<br>S5 = Type V<br>Rectangular<br>F5 = Type V Frosted | M = Medium<br>L = Long | 30 = 3000K<br>40 = 4000K<br>50 = 5000K | ND = Non-Dimmable<br>DM = Dimmable<br>DS = Daylight Sensor<br>SC = Smart Control |

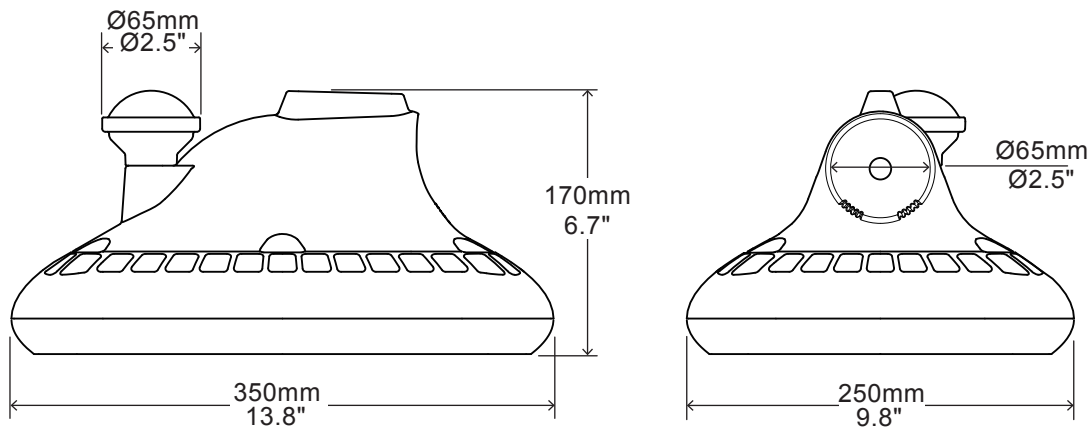
NOTE: Gray is the standard exterior color.

\* Smart control & daylight sensor available with ZHAGA standard receptacle module for AC powered models only.

## Example

| Part Number            | Part Description  |
|------------------------|---|
| RWL3525-100UV-S5M-50ND | LED Roadway Light / 100 Watt / 100-277VAC / Type V Rectangular / Medium Pitch / 5000K Cool White / Non-Dimmable |

## External Dimensions



## Packaging Information

| Case Quantity | Dimensions (LxWxH)                            | Weight             |
|---------------|---|--------------------|
| 1             | 38.5 x 28.5 x 21.5 cm<br>15.2 x 11.2 x 8.5 in | 6.2 kg<br>13.6 lbs |



# RWL3525 Series

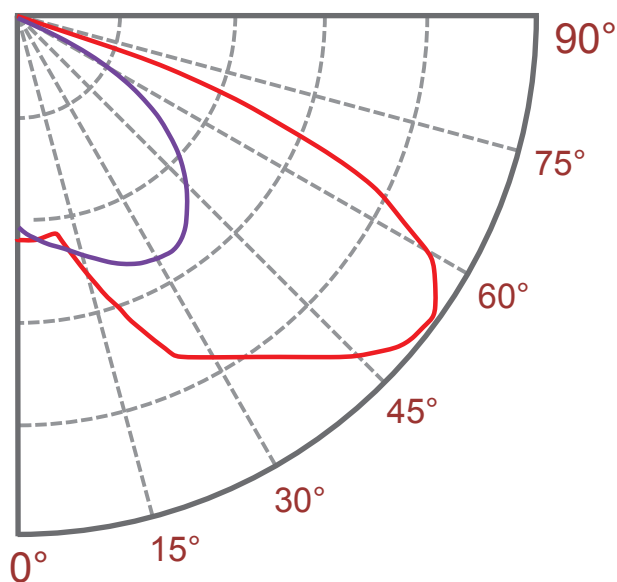
LED Roadway Lighting - 100Watt

## Specification - Type II Medium

|   |   |
|---|---|
| Fixture Watts                             | 100 W   |
| Lumens (Total) *                          | 14,800 lm   |
| Efficacy *                                | 148 lm / W  |
| Number of LEDs & Driving Current          | 48@670mA  |
| T <sub>s</sub> - Solder Point Temp *      | 63°C / 145°F  |
| L70 Rating @ T <sub>a</sub> 25°C          | > 135K hours  |
| Operational Temperature (T <sub>a</sub> ) | -40° ~ 50°C / -40° ~ 122°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) / Smart Control / Daylight Sensor |
| Warranty                                  | 10-Year Limited   |
| Storage Temperature / 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<sub>a</sub>: 25°C. All lumen values have ±7% tolerance  
NOTE: Light intensities measured directly below fixture

## Light Distribution Curve



C0/C180 ————  
C90/C270 ————

# RWL3525 Series

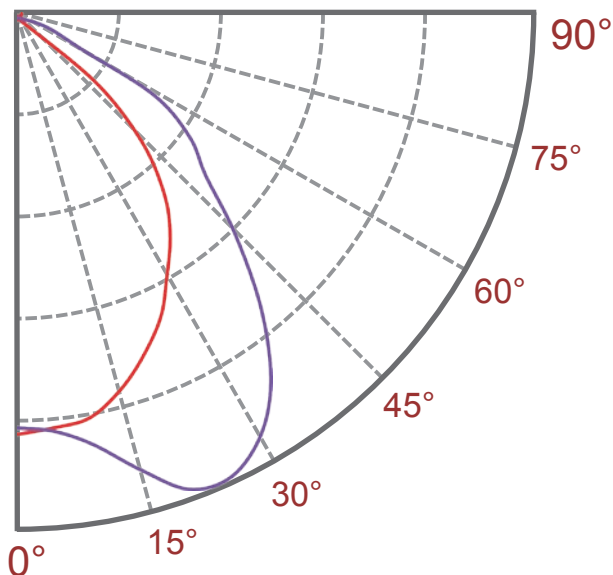
LED Roadway Lighting - 100Watt

## Specification - Type V Rectangular

|   |   |
|---|---|
| Fixture Watts                             | 100 W   |
| Lumens (Total) *                          | 14,900 lm   |
| Efficacy *                                | 149 lm / W  |
| Number of LEDs & Driving Current          | 48@670mA  |
| T <sub>s</sub> - Solder Point Temp *      | 62°C / 144°F  |
| L70 Rating @ T <sub>a</sub> 25°C          | > 135K hours  |
| Operational Temperature (T <sub>a</sub> ) | -40° ~ 50°C / -40° ~ 122°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) / Smart Control / Daylight Sensor |
| Warranty                                  | 10-Year Limited   |
| Storage Temperature / 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<sub>a</sub>: 25°C. All lumen values have ±7% tolerance  
NOTE: Light intensities measured directly below fixture

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C0/C180 —  
C90/C270 —

# RWL3525 Series

LED Roadway Lighting - 100Watt

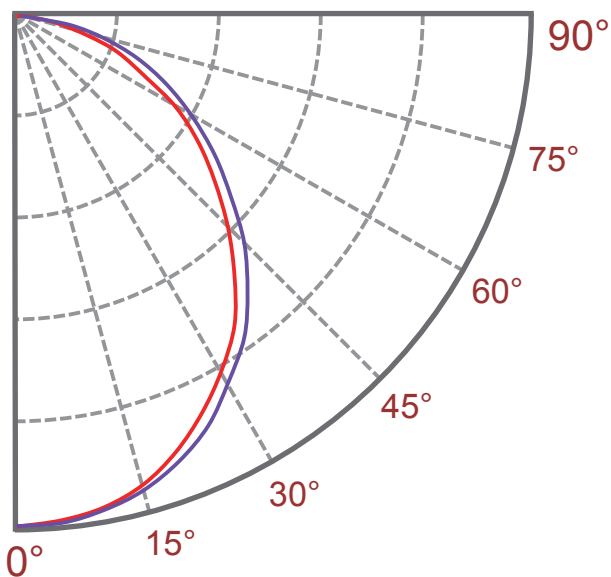
## Specification - F5 Type V Frosted

|   |   |
|---|---|
| Fixture Watts                             | 100 W   |
| Lumens (Total) *                          | 13,400 lm   |
| Efficacy *                                | 134 lm / W  |
| Number of LEDs & Driving Current          | 48@670mA  |
| T <sub>s</sub> - Solder Point Temp *      | 64°C / 147°F  |
| L70 Rating @ T <sub>a</sub> 25°C          | > 135K hours  |
| Operational Temperature (T <sub>a</sub> ) | -40° ~ 50°C / -40° ~ 122°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) / Smart Control / Daylight Sensor |
| Warranty                                  | 10-Year Limited   |
| Storage Temperature / 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<sub>a</sub>: 25°C. All lumen values have ±7% tolerance

NOTE: Light intensities measured directly below fixture

## Light Distribution Curve



C0/C180 ————  
C90/C270 ————