

# RWL3525 Series

## LED Roadway Lighting



### Advantages of RWL3525

- Future-proof LED roadway / street light
- Available in 35 ~ 100 Watt configurations with various optics
- Optional solar powered DC input voltage available for 35 ~ 65 Watt systems
- Ultra-bright industry leading high efficacy up to 150 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

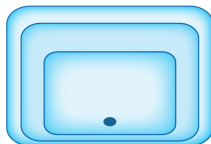
## LED Roadway Lighting

### Optic Options

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

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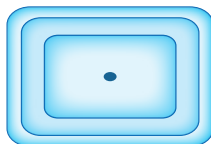
**M - Medium**



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

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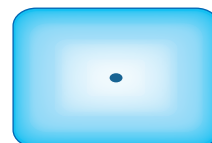
**M - Medium**



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

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**L - Long**



# RWL3525 Series

LED Roadway Lighting - 55Watt

## Ordering Information

RWL3525-	Wattage	Voltage *	Optics	Pitch	CCT	Driver & Control **
	035 = 35Watt 055 = 55Watt 075 = 75Watt 100 = 100Watt	UV = 100-277VAC HV = 200-480VAC DV = 127-390VDC SP = 12-32VDC	02 = Type II S5 = Type V Rectangular F5 = Type V Frosted	M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable DS = Daylight Sensor SC = Smart Control

NOTE: Gray is the standard exterior color.

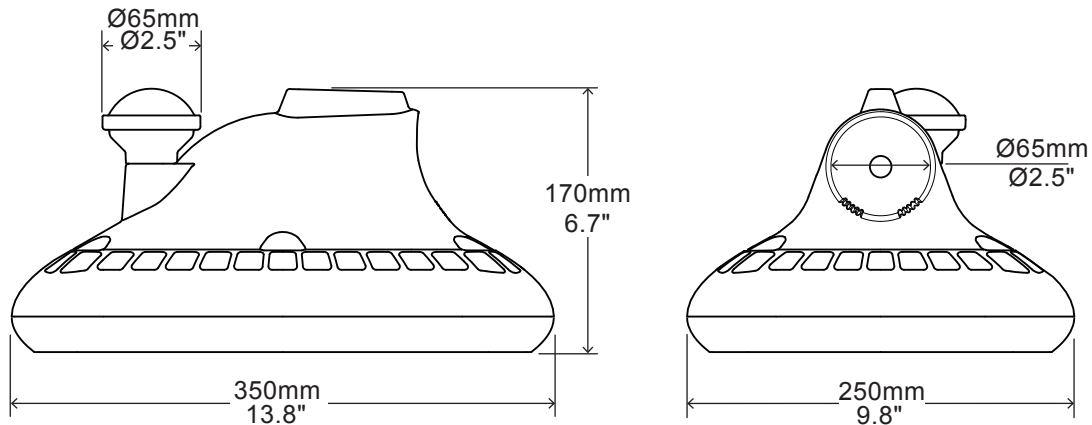
\* Input voltage 12-32VDC available only for solar powered models with DC driver ranging from 35 - 65 Watts.

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

## Example

Part Number	Part Description
RWL3525-055UV-S5M-50ND	LED Roadway Light / 55 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 15.2 x 11.2 x 8.5 in	6.2 kg 13.6 lbs



# RWL3525 Series

LED Roadway Lighting - 55Watt

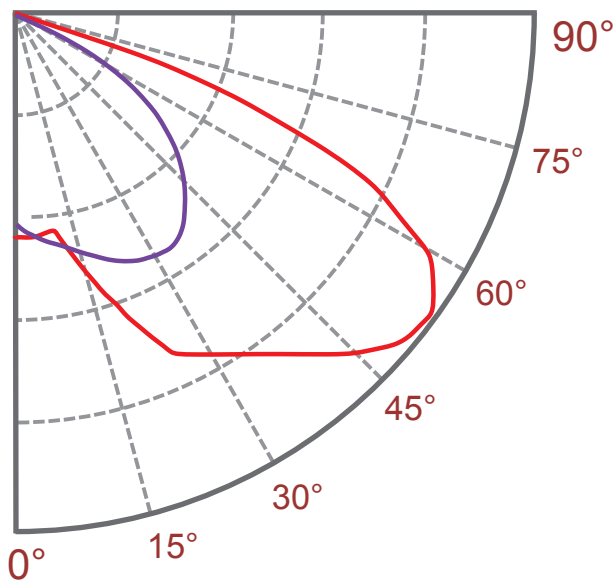
## Specification - Type II Medium

Fixture Watts	55 W
Lumens (Total) *	7,865 lm
Efficacy *	143 lm / W
Number of LEDs & Driving Current	48@370mA
T <sub>s</sub> - Solder Point Temp *	56°C / 133°F
L70 Rating @ T <sub>a</sub> 25°C	> 160K hours
Operational Temperature (T <sub>a</sub> )	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC / Solar 12-32VDC
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 —

### Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	2533	32.2%
0-40	4570	58.1%
0-60	7338	93.3%
0-90	7818	99.4%
0-180	7865	100.0%

# RWL3525 Series

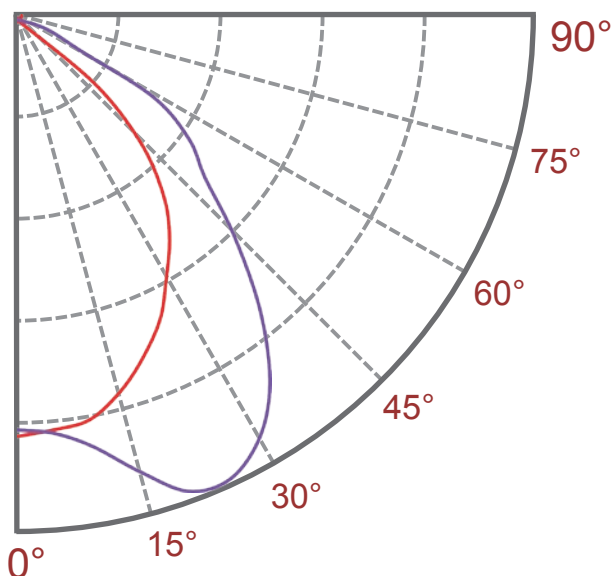
LED Roadway Lighting - 55Watt

## Specification - Type V Rectangular

Fixture Watts	55 W
Lumens (Total) *	8,030 lm
Efficacy *	146 lm / W
Number of LEDs & Driving Current	48@370mA
T <sub>s</sub> - Solder Point Temp *	54°C / 131°F
L70 Rating @ T <sub>a</sub> 25°C	> 160K hours
Operational Temperature (T <sub>a</sub> )	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC / Solar 12-32VDC
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 ————

## Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	3019	37.6%
0-40	4866	60.6%
0-60	7629	95.0%
0-90	8006	99.7%
0-180	8030	100.0%

# RWL3525 Series

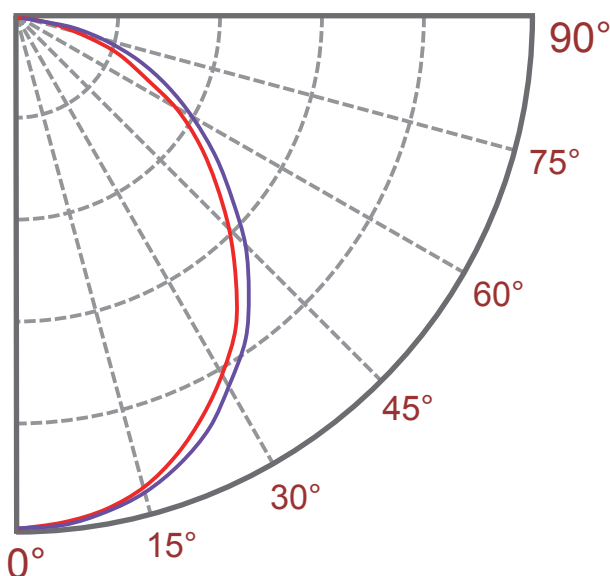
LED Roadway Lighting - 55Watt

## Specification - F5 Type V Frosted

Fixture Watts	55 W
Lumens (Total) *	7,315 lm
Efficacy *	133 lm / W
Number of LEDs & Driving Current	48@370mA
T <sub>s</sub> - Solder Point Temp *	55°C / 131°F
L70 Rating @ T <sub>a</sub> 25°C	> 160K hours
Operational Temperature (T <sub>a</sub> )	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC / Solar 12-32VDC
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 ————

### Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	2370	32.4%
0-40	3789	51.8%
0-60	6115	83.6%
0-90	7271	99.4%
0-180	7315	100.0%