

RWL600 Series

LED Roadway Lighting



Advantages of RWL600

- Energy efficient and a cost effective LED roadway light
- Available in 30 / 50 / 70Watt configurations
- Optional solar powered DC input voltage available for 25 ~ 70 Watt systems
- Ultra-bright industry leading high efficacy up to 180 lm /W
- Field serviceable cost effective modularized light engine and LED driver
- Wide angle optics with built in 10° vertical tilt for more uniform lighting distribution
- Advanced thermal technology for maintenance free long life
- Optional smart control, daylight sensor and surge & lightning protection with externally mounted ZHAGA standard receptacle
- L70 ≥ 50,000 hours with an operating temperature of -40°C ~ 50°C
- Titanium rated high efficiency LED driver with smart circuitry
- Ideal for budgetary street lighting projects
- SUS 316 marine rated stainless steel housing for superior weather and corrosion protection
- 15-year limited warranty on housing & structure
- 5 year limited warranty on light engine and LED driver
- Designed and Engineered in the USA

Applications

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



Years Warranty



Smart Control



Wet Location



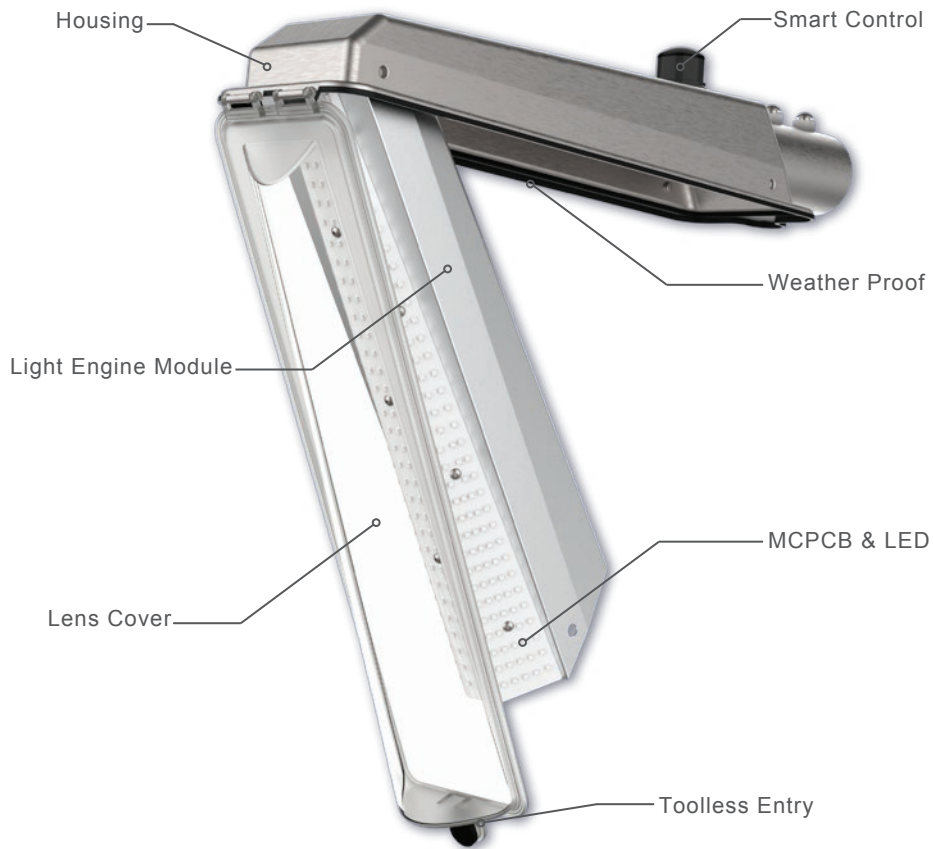
Corrosive Area



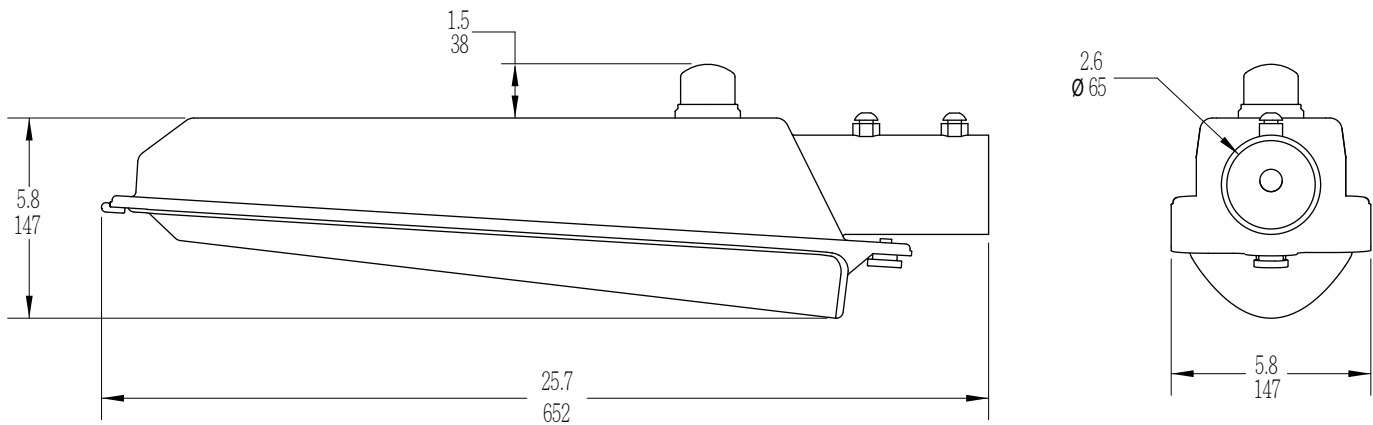
Impact Resistance

RWL600 Series

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External Dimensions



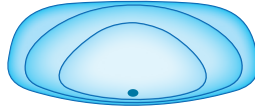
RWL600 Series

LED Roadway Lighting - 70Watt

Optics Options

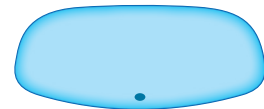
02 - Type II / asymmetric for street and pedestrian walkway applications

M - Medium



F2 - Type II Opaque - Frosted / asymmetric for ultra uniform & low glare applications

L-Long



Ordering Information

RWL60 -	Wattage	Voltage *	Optics	CCT	Driver & Control **
	030 = 30Watt 050 = 50Watt 070 = 70Watt	UV = 100-277VAC HV = 200-480VAC SP = 12-32VDC	02M = Type II Clear Medium F2L = Type II Frosted Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable DS = Daylight Sensor SC = Smart Control

* Input voltage 12-32VDC available only for solar powered models with DC driver ranging from 25 - 70 Watts.

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

Example

Part Number	Part Description
RWL60-070UV-02M-50ND	LED Roadway Light / 70 Watt / 100-277VAC / Type II Clear Medium / 5000K Cool White / Non-Dimmable

Packaging Information

Model	Case Quantity	Dimensions (LxWxH)	Weight
RWL600	1	67 x 7 x 10 cm 26.4 x 2.8 x 4 inch	2.7 kg 6 lbs



RWL600 Series

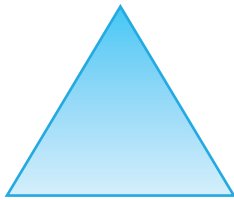
LED Roadway Lighting - 70Watt

Specification - Type II Clear Medium

Fixture Watts	70 W
Lumens (Total) *	11,900 lm
Efficacy *	170 lm / W
Number of LEDs & Driving Current	388@55mA
T _s - Solder Point Temp *	69°C / 156°F
L70 Rating @ T _a 25°C	> 50K hours
Operational Temperature (T _a)	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / Solar 12-32VDC
LED Model	Nichia 3030
CRI	85
Lighting Control	Dimmable (0-10V, PWM) / Smart Control / Daylight Sensor
Warranty	5-Year Limited
Storage Temp.	-40° ~ 80°C / -40° ~ 176°F / IP66 Rated Fixture
Transient Surge Protection	10kV / 5kA (L-L, L-G)

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance

Illumination Levels - Type II Clear



<i>Type II - Medium</i>		
Height	LUX	FC
4m / 13ft	405	38
5m / 16.5ft	296.5	27.5
6m / 20ft	196	18
7m / 23ft	155	14.5
8m / 26ft	113	10.5

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	4831.4	40.6%
0-40	7616.0	64.0%
0-60	11459.7	96.3%
0-90	11888.1	99.9%
0-180	11900.0	100.0%

RWL600 Series

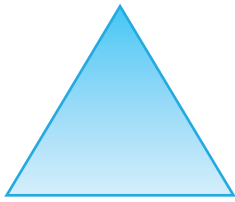
LED Roadway Lighting - 70 Watt

Specification - Type II Frosted Long

Fixture Watts	70 W
Lumens (Total) *	10,710 lm
Efficacy *	153 lm / W
Number of LEDs & Driving Current	388@55mA
T _s - Solder Point Temp *	70°C / 158°F
L70 Rating @ T _a 25°C	> 50K hours
Operational Temperature (T _a)	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / Solar 12-32VDC
LED Model	Nichia 3030
CRI	85
Lighting Control	Dimmable (0-10V, PWM) / Smart Control / Daylight Sensor
Warranty	5-Year Limited
Storage Temp.	-40° ~ 80°C / -40° ~ 176°F / IP66 Rated Fixture
Transient Surge Protection	10kV / 5kA (L-L, L-G)

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance
NOTE: Light intensities measured directly below fixture

Illumination Levels - Type II Frosted



Type V Frosted - Long		
Height	LUX	FC
3m / 9.8ft	403	37
4m / 13ft	288	26
5m / 16.5ft	211	19
6m / 20ft	146	13

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	4348.2	40.6%
0-40	4926.6	64.0%
0-60	10313.7	96.3%
0-90	10699.2	99.9%
0-180	10710.0	100.0%