

LED ROADWAY LIGHT LRL5 – 030 ~ 200



LRL5 LED ROADWAY LIGHT

High Efficacy up to 160 lm/W and up to 80% in energy savings, available in 30W-200W configurations.

Applications

- Parking
- Roadway
- Automotive
- Service Center
- Parks & Recreation

DIMENSIONS & WEIGHT							PACKAGING		
PRODUCT LINE	LENGTH (cm)	HEIGHT (cm)	WEIGHT (Kg)	20' GP	40' GP	40' HC			
LRL5-030-070	53.0	24.0	6.6	513 Pieces	1062 Pieces	1298 Pieces			
LRL5-090-120	59.0	27.2	7.6	459 Pieces	945 Pieces	1155 Pieces			
LRL5-150-200	68.0	30.8	9.8	378 Pieces	783 Pieces	870 Pieces			

AUTHORIZED BY:	
NAME:	DATE:



S – Small
(30-70W)



M – Medium
(90-120W)



L – Large
(150-200W)

ORDERING INFORMATION								
CNX-LRL5								
PRODUCT TYPE	INPUT VOLTAGE	OPTICS		COLOR TEMPERATURE	WATTAGE	FIXTURE SIZE	CONTROL	FIXTURE COLOR
CNX-LRL5	P1 – 100~277 VAC P2 – 277~480 VAC P3 – SOLAR	1 – TYPE I 2 – TYPE II 3 – TYPE III 4 – TYPE IV 5 – TYPE V	S – SHORT M – MEDIUM W – WIDE	30 – 3000K 40 – 4000K 50 – 5000K	030 – 30 WATTS 050 – 50 WATTS 070 – 70 WATTS 090 – 90 WATTS 100 – 100 WATTS 120 – 120 WATTS 150 – 150 WATTS 180 – 180 WATTS 200 – 200 WATTS	S – SMALL M – MEDIUM L – LARGE	CTR – CNX CONTROL XX7 – 7 PIN RECEPTACLE DALI – DALI 10V – 0-10 VDC PHT – PHOTOSENSOR MTN – MOTION SENSOR XXX – NO CONTROL	GRY – GREY BLK – BLACK BRZ – BRONZE WHT – WHITE CST – CUSTOM

PRODUCT SPECIFICATIONS

Construction Characteristics:

- Corrosion resistant LM6 aluminum housing
- Powder coat finish
- Tool-less access and locking mechanism
- Passive thermal management
- Safety cable
- Auto power disconnect switch
- Architectural design
- IP 66 – suitable for outdoor use
- Self-cleaning heat sink design
- Multiple mounting options
- Built-in ventilator

Optical Characteristics:

- CRI (Color Rendering Index): >70
- Tempered Glass cover
- > 200,000 hours L70

Electrical Characteristics:

- Input Voltage: 100 ~ 277 VAC or 277 ~ 480 VAC, 50/60 Hz
- Power Factor: >0.9 at full load
- THD = <20%
- Operating Temperature Range: -40 ~ +50C
- Standard 10kV Surge Protection
- Optional 20kV Surge Protection Available

PRODUCT OPTIONS

INTELLIGHT	SURGE PROTECTION	TIMER
ADP – ADAPTIVE CONTROL INT – INTELLIGENCE COM – COMMUNICATIONS XXX – NON-PROVISIONED	10K-P – 10KV/KA PARALLEL 10K-S – 10KV/KA SERIES 20K-P – 20KV/KA PARALLEL 20K-S – 20KV/KA SERIES XXX – NO SURGE PROTECTION	TIM – BUILT-IN TIMER XXX – NO TIMER

ELECTRICAL DATA

SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
30 WATTS	4,800 LUMENS	160 LM/W
50 WATTS	8,000 LUMENS	160 LM/W
70 WATTS	11,200 LUMENS	160 LM/W
90 WATTS	14,400 LUMENS	160 LM/W
100 WATTS	16,000 LUMENS	160 LM/W
120 WATTS	19,200 LUMENS	160 LM/W
150 WATTS	24,000 LUMENS	160 LM/W
180 WATTS	28,800 LUMENS	160 LM/W
200 WATTS	32,000 LUMENS	160 LM/W



MOUNTING OPTIONS (universal mount for vertical and horizontal applications)

VERTICAL MOUNTING



HORIZONTAL MOUNTING



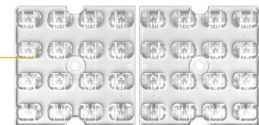
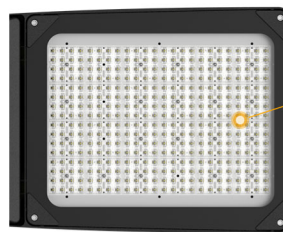
UNIVERSAL MOUNT

Accepts 34-60mm tenon

Capable of vertical & Horizontal mounting



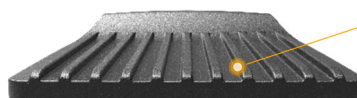
0-20 degree tilt
(5 degree increments)



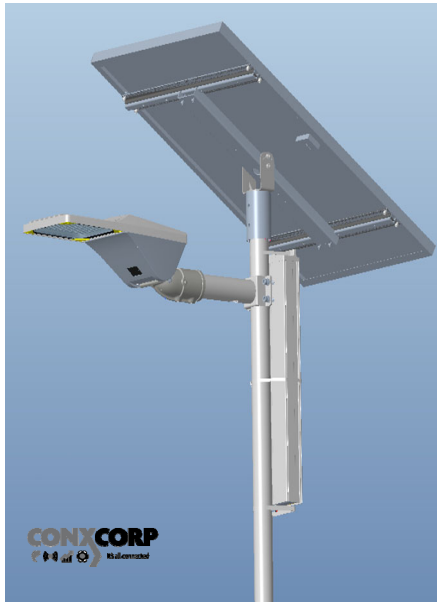
Modular/highly configurable
light engine



Tool-less access



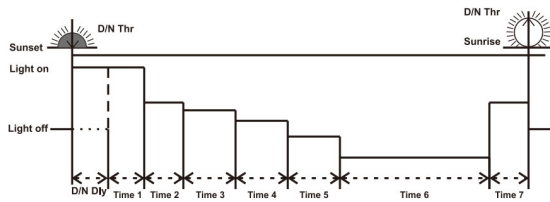
Self-cleaning, passive
thermal management



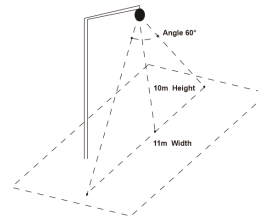
Product Information							
Model No.	CNX-LRL5-P3-3M-40-050-S						
Power Consumption (W)	50						
Battery	LiFePO4 battery						
Battery Capacity (WH)	153.6						
Solar Panel	mono-crystalline solar panel						
Solar Panel Wattage (W)	70						
Charging Time (Hours)	3						
Operating Time	2.5 - 3 hours @ full power, 3 days - intelligent mode						
Solar Charge Controller	MPPT						
Default Operation (Intelligent Mode)		Time 1	Time 2	Time 3	Time 4	Time 5	Time 6
	Working hours	0.5H	1H	1.5H	1.5H	1.5H	10H
	Detected	100%	30%	26%	20%	12%	10%
	Not detected	30%	10%	8%	6%	5%	3%
Control	microwave induction						
EPA	5.28ft ²						
IP Rating	IP66						
Category of corrosion	C3 - C5						
Operating Temperature (°C)	0 to + 50						
Life Time of LED @Ta=25°C (hours)	40,000hrs - L90						
	82,000hrs - L80						
	131,000hrs - L70						

Intelligent Control Mode

7 Stage Night Mode

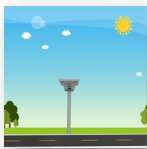


*Configurable 7 stage timed dimming : set via remote controller

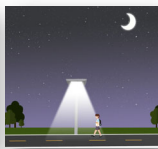


Microwave Sensor Detection Range

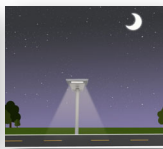
Example Intelligent Mode Setting:



With sufficient natural light the fixture keeps charging



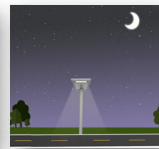
The fixture operates @ 100% when motion is detected during the 1st configured period



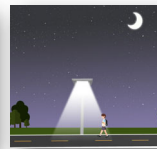
The fixture operates @ 30% when no motion is detected after 30 sec hold time during the 1st configured period



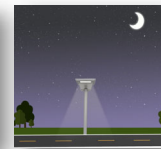
The fixture operates @ 30% when motion is detected during the 2nd configured period



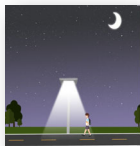
The fixture operates @ 10% when no motion is detected after 30 sec hold time during the 2nd configured period



The fixture operates @ 26% when motion is detected during the 3rd configured period



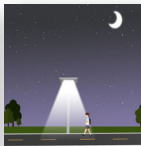
The fixture operates @ 8% when no motion is detected after 30 sec hold time during the 3rd configured period



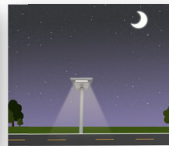
The fixture operates @ 20% when motion is detected during the 4th configured period



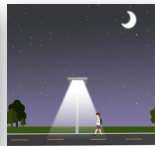
The fixture operates @ 6% when motion is detected after 30 sec hold time during the 4th configured period



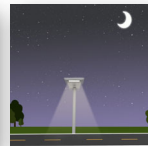
The fixture operates @ 12% brightness when motion is detected during the 5th configured period



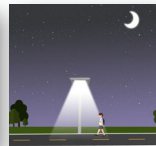
The fixture operates @ 5% when no motion is detected after 30 sec hold time during the 5th configured period



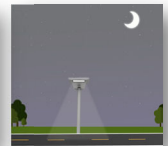
The fixture operates @ 10% when motion is detected during the 6th configured period



The fixture operates @ 3% when no motion is detected after 30 sec hold time during the 6th configured period



The fixture operates @ 30% when motion is detected during the 7th configured period



The fixture operates @ 10% when no motion is detected after 30 sec hold time during the 7th configured period

The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~ 8.0V