

Solar LED NEMA Head

SLN Series

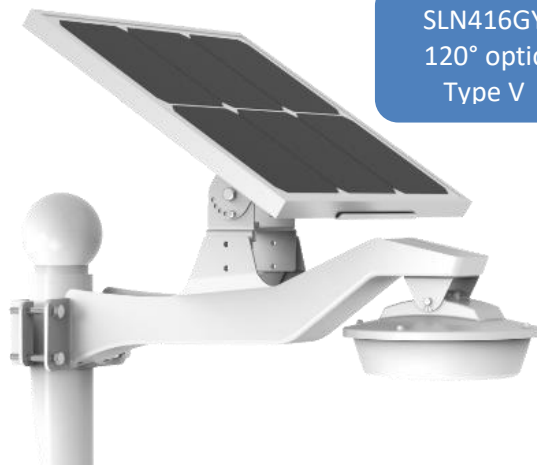
SLN Series Solar LED NEMA Head Light is designed for extreme installation flexibility. Its 2-axis adjustable panel design allows for optimal positioning of solar panel without compromising site illumination. Premium, high-efficacy, LEDs combined with the long lifespan of the lithium iron phosphate battery make this a great lighting solution for applications where electric power is not available.

Features

- Die-cast housing with UV resistant powder coat finish
- Independently controllable monocrystalline silicon solar panel
- High performance, long life LUMILEDS 5050 LED chips
- Color Rendering Index CRI >70
- Motion sense, fixed output, or time-based control selectable with remote control programmer. (Use order code SLS-RC for remote control programmer)
- Automatically turns on and off based on ambient light
- LiFePO₄ battery with 2000 cycle design life (~5.5y)
- Operating Temperature -20°C/-4°F to +50°C/122°F. *Charging* is disabled below freezing temperatures to protect battery. The battery will not charge but will continue to operate the LEDs.
- High efficiency MPPT charge controller
- High transmittance, UV-inhibited, flame retardant polycarbonate lens
- IP65 rated, CE listed
- Ships standard with pole mounting accessory
- Warranty: 3 years on battery
- Warranty: 5 years on fixture
- **No warranty on performance** due to its dependence on environmental factors, and proper aiming requirements of the panel per site's geographic location. Natural variations in weather, and environmental conditions greatly impact performance. No assurance of any specific performance criterion (lumens, duration) is implied.

Applications

- Security Lighting
- Rural Roadways
- Recreation Areas
- Walkways



SLN416GY
120° optic
Type V



SLN440GY/SLN460GY models
70°x150° optic; Type II

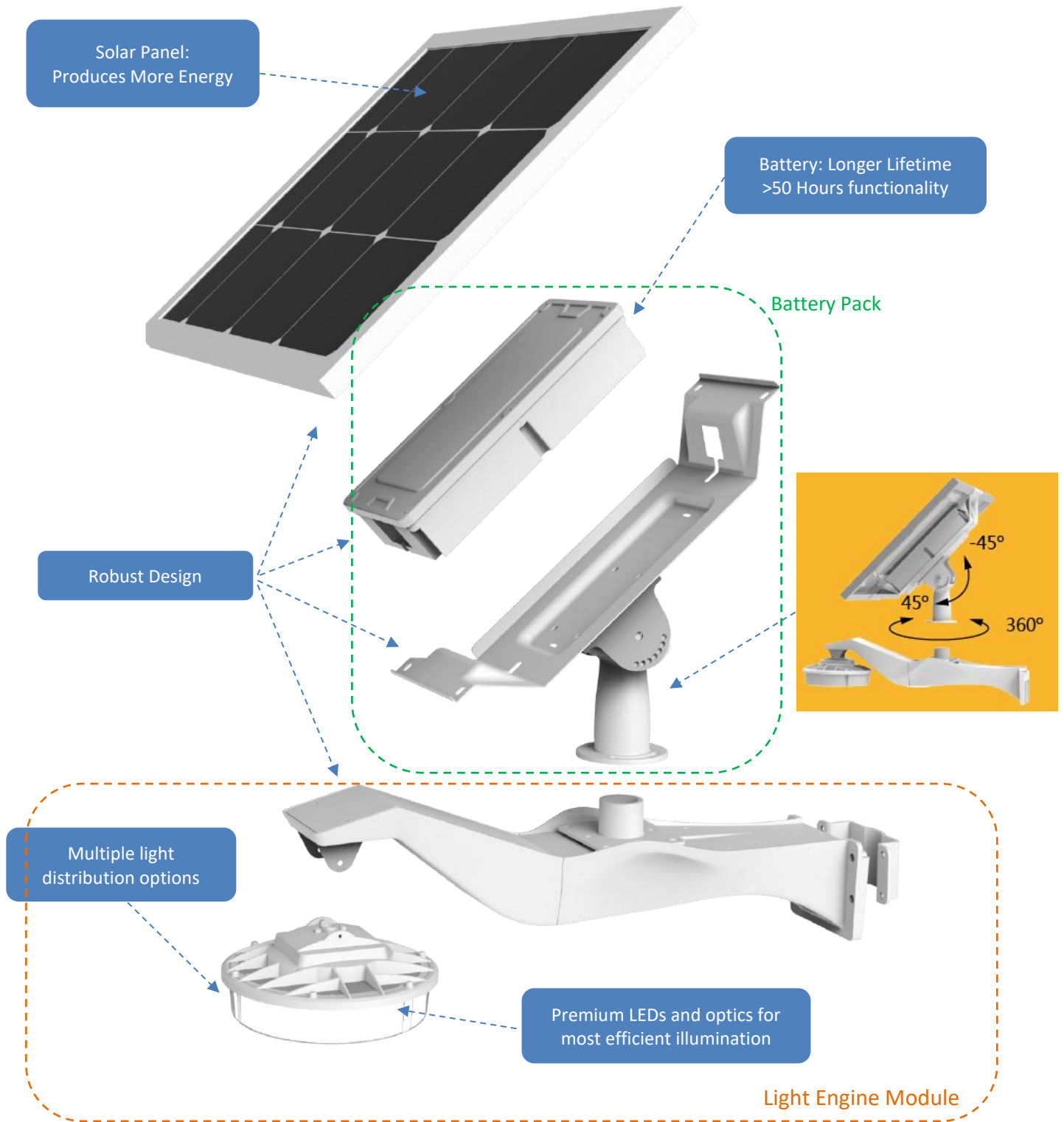
Note: One remote is required to turn on the fixtures for the first time. Order code: SLS-RC, sold separately.

Ordering Information (Example: SLN440GY)				Remarks		
Model Series	CCT	Nominal Lumen Output*	Housing Color	Battery Capacity	Solar Panel Specs**	Dimensions (in)
SLN	4	— —	GY			
SLN Solar LED NEMA Head	4 4000K	16: 1500 — 1600 Lm	GY: Grey	9AH 12.8V	18V 20W	16.6 x 23.7 x 13.4
		40: 3800 — 4000 Lm		19.2AH 12.8V	18V 48W	31.1 x 33.0 x 21.0
		60: 5700 — 6000 Lm		30AH 12.8V	18V 64W	

*Max delivered lumens at 100% output settings **[Please review solar panel orientation guidelines](http://www.solarelectricityhandbook.com/solar-angle-calculator.html) for your area for optimal performance. Here is a helpful website: <http://www.solarelectricityhandbook.com/solar-angle-calculator.html>

Accessory: SLS-RC: Remote control – one needed to turn on the fixtures. Works with multiple luminaires.

Product Breakdown

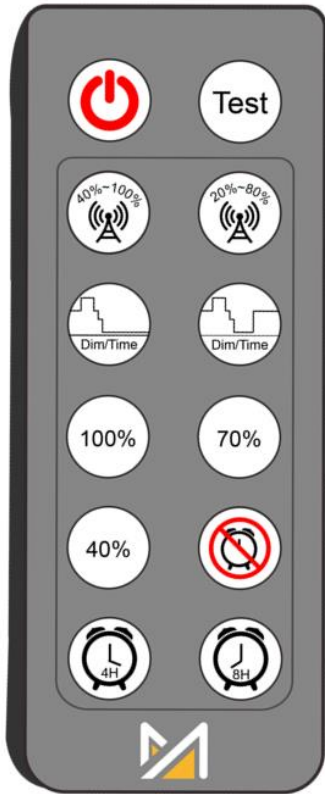


Remote Control Programmer Operation Settings

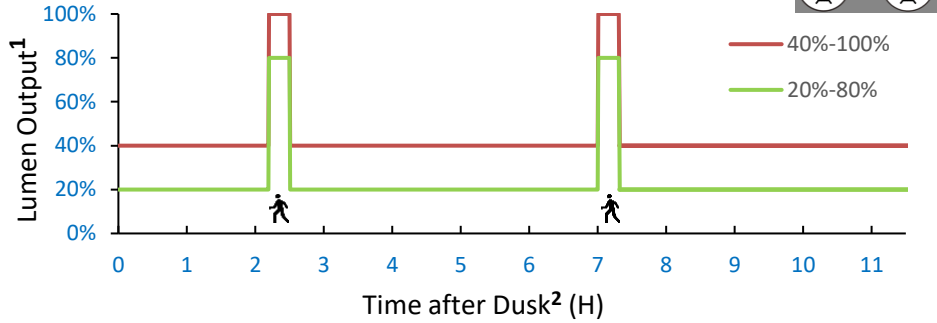
NOTE:

The Luminaire will flash twice when mode selection is received.

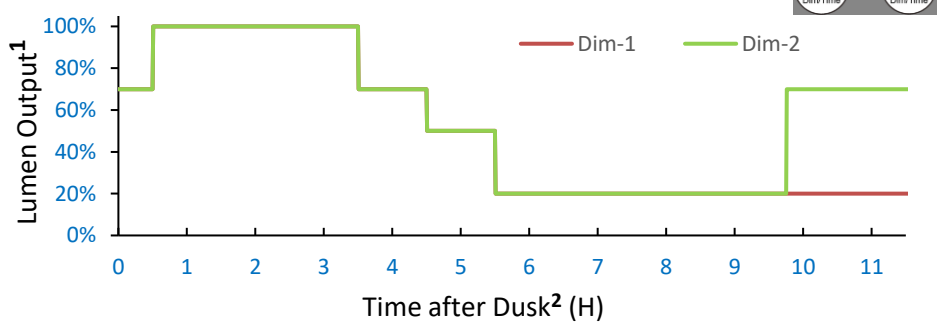
The luminaire will reduce to half power when battery is less than 15% charged



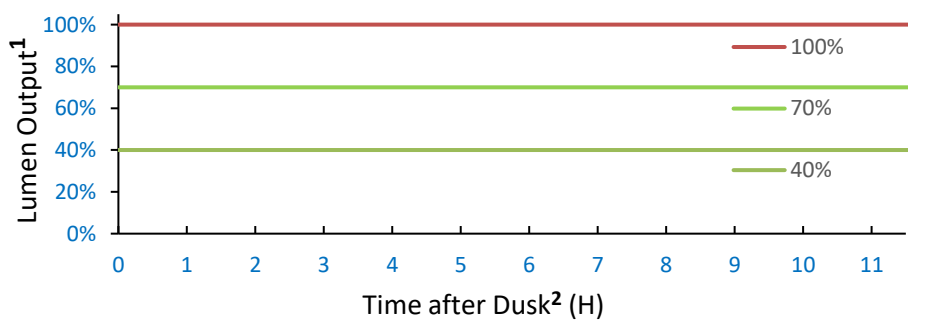
Motion Sensing Modes



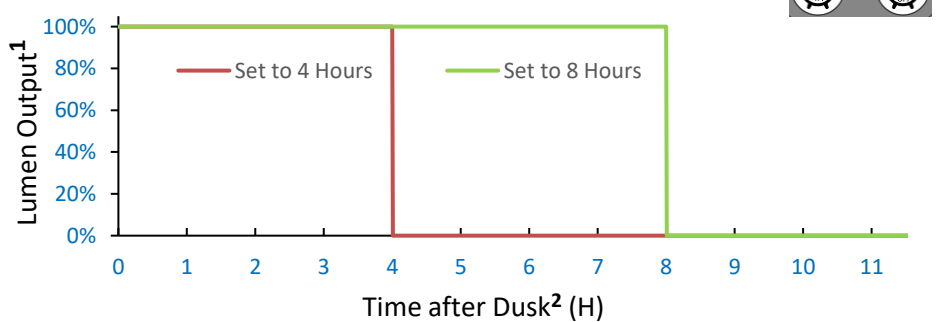
Time Based Modes



Constant Output Modes



Set Time Modes



1. Fully Charged Battery
2. Optimal Conditions

Accessories	
<u>SLN416GY</u> includes	I. SLN16-LE4GY : Light Engine Module – 1600 Lumen, 4000K, 120° optic, Gray Housing II. SLN16-BPGY : Battery Pack – 9AH 12.8V, Gray Housing III. SLN16-SP : Solar Panel – 18V 20W
<u>SLN440GY</u> includes	I. SLN40-LE4GY : Light Engine Module – 4000 Lumen, 4000K, 70°x150° optic, Gray Housing II. SLN40-BPGY : Battery Pack – 19.2AH 12.8V, Gray Housing III. SLN40-SP : Solar Panel – 18V 48W
<u>SLN460GY</u> includes	I. SLN60-LE4GY : Light Engine Module – 6000 Lumen, 4000K, 70°x150° optic, Gray Housing II. SLN60-BPGY : Battery Pack – 30AH 12.8V, Gray Housing III. SLN60-SP : Solar Panel – 18V 64W
Compatible with all models	SLS-RC : Remote control programmer; required to program and turn on the fixtures for the first time . Works with multiple luminaires.

Useful Resources:

Solar panels should always face true south if you are in the northern hemisphere. The tilt angle depends on your latitude and season.

- 1) To calculate optimum solar panel tilt when the latitude of the project site is known:
<https://www.solarpaneltilt.com/>
- 2) Solar angle calculator based on nearest town or city of the project site (works best for US and Canada):
<http://solarelectricityhandbook.com/solar-angle-calculator.html>