

#### Specification Highlights

- MADE IN USA
- 27" x 31" solar panel-90 Watt monocrystalline
- 78 AH 12.8V Lithium Iron Phosphate Battery
- Philips Lumileds 5050 LED
- 5 Year Standard Warranty
- Burn Time Certified
- Core Restore battery recycling included
- Wildlife/Turtle friendly amber CCT available

#### All in One Design

- Solar panel, battery & controller in one attractive luminaire
- No visible solar panel or battery box
- Low EPA for less strain on pole and lower install costs
- Easy retro-fit to existing poles



10 Year Available  
15 Year Available



**OPTIONS**  
Motion Sensor & Light Shield



Exclusive Free  
Battery Recycling  
Program

Available with:



5G Remote Access

- Monitor
- Set Timing
- Get Alerts




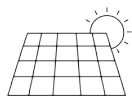
#### Certifications



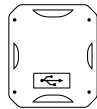
LISTED  
Components



Model #	Solar Panel Wattage	Battery	Charge Time (In Hours)		BUG Rating
CS-SIE-2731-25W	90	78AH 12.8V	9	36 hrs	B1-U0-G1
CS-SIE-2731-30W	90	78AH 12.8V	9	35 hrs	B1-U0-G1
CS-SIE-2731-35W	90	78AH 12.8V	9	28 hrs	B1-U0-G1
CS-SIE-2731-40W	90	78AH 12.8V	9	25 hrs	B1-U0-G1
CS-SIE-2731-45W	90	78AH 12.8V	9	22 hrs	B1-U0-G1



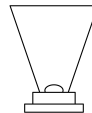
Monocrystalline  
Solar Module



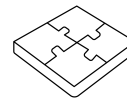
Self Learning  
Controller



LiFePO4  
Lithium-Iron  
Battery



Philips Lumileds  
Luxeon 5050  
Chip



All-in-One



Optional  
Motion Sensor



AMERICAN COMBAT VETERAN OWNED COMPANY



405-673-8684

[www.gridshiftsolar.lighting](http://www.gridshiftsolar.lighting)

**GRIDSHIFT™**  
SOLAR LIGHTING

Corporate: 2803 Broadway Ct. Edmond, OK 73013  
California: 1341 Distribution Way, Suite 20, Vista, CA 92081

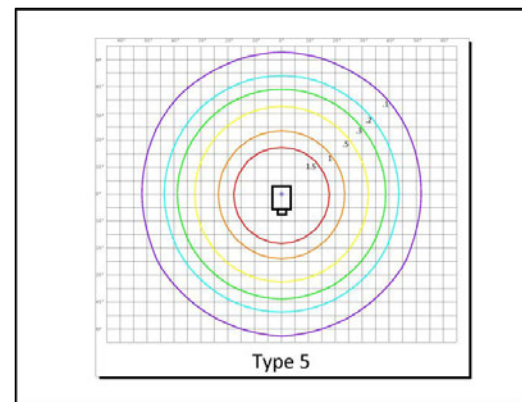
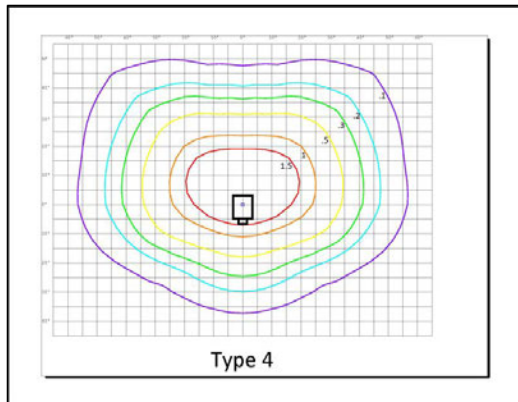
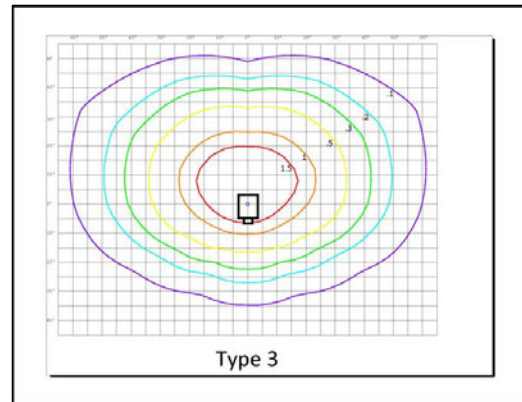
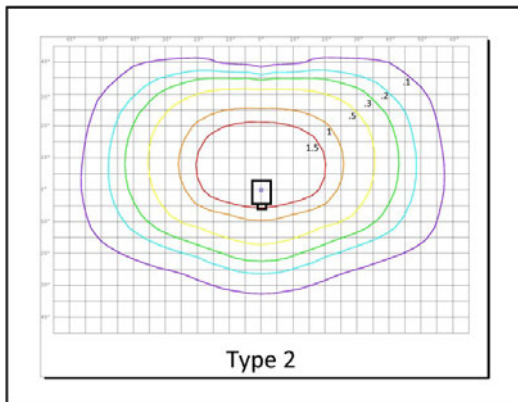
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Wounded Warrior Project



**Photometrics**



\*Please note, for pattern reference only. Model shown is 30W at 20' mounted height. Email for current IES files.



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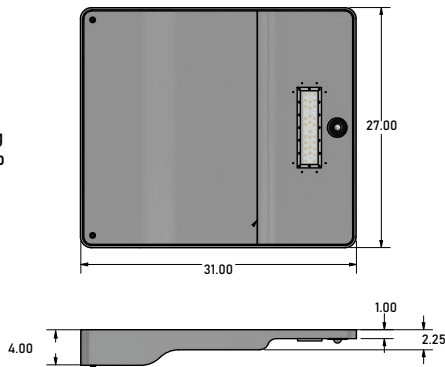


**CS-SIE-2731-2**

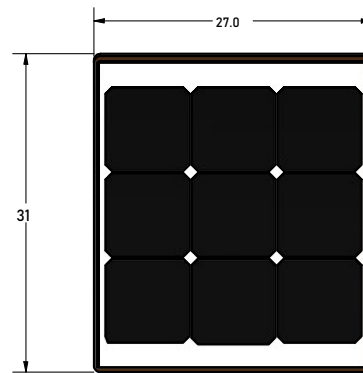


**CS-SIE-2731-3**

Comes with internal mounting system with 2.5" dia. x 7" deep opening



Weight: 53lbs  
EPA: .62



Comes with 2.5" OD X 3" tall Post Top Mounting Provision that fits 2.375" O.D. X 3" tall Tenon

\*Custom mounting systems available upon request. Consult with factory for details.

Model #	Watts	Lumens	Available Optic Types	Color Temp in 100K	Color (BLK-Black/BRZ-Bronze/GRY-Grey/CUST-Custom)	Optional 5G Remote Access (Yes/No)	Style (see above)
Cuesta Sol CS-SIE-2731	25	4500	II / III / IV / V	19K / 30K / 40K / 50K / 57K / 65K	BLK / BRZ / GRY / CUS	Y / N	2/3
Cuesta Sol CS-SIE-2731	30	5400	II / III / IV / V	19K / 30K / 40K / 50K / 57K / 65K	BLK / BRZ / GRY / CUS	Y / N	2/3
Cuesta Sol CS-SIE-2731	35	6300	II / III / IV / V	19K / 30K / 40K / 50K / 57K / 65K	BLK / BRZ / GRY / CUS	Y / N	2/3
Cuesta Sol CS-SIE-2731	40	7200	II / III / IV / V	19K / 30K / 40K / 50K / 57K / 65K	BLK / BRZ / GRY / CUS	Y / N	2/3
Cuesta Sol CS-SIE-2731	45	8100	II / III / IV / V	19K / 30K / 40K / 50K / 57K / 65K	BLK / BRZ / GRY / CUS	Y / N	2/3

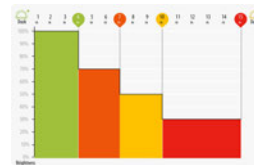
Ordering Description Example							
Cuesta Sol CS-SIE-2731	25	4500	III	30K	BLK	Y	2

Ordering Description							
Cuesta Sol CS-SIE-2731	25	4500					
Cuesta Sol CS-SIE-2731	30	5400					
Cuesta Sol CS-SIE-2731	35	6300					
Cuesta Sol CS-SIE-2731	40	7200					
Cuesta Sol CS-SIE-2731	45	8100					

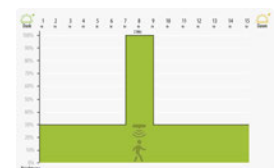


**Standard Profile**

- a. On at dusk 100% to dawn.
- b. SMART controller prevents "dark" nights by adjusting to use available power.



**Custom Profiles Avail.**



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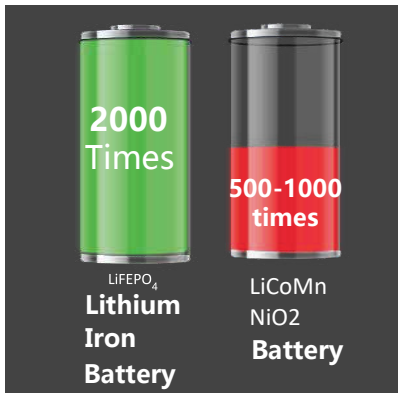
## Solar Panel



### High Efficiency Mono-Crystalline Module

18.5% photoelectric Conversion Efficiency  
Ending with 85% output in 20 years  
3.2mm tempered glass lamination for excellent  
mechanical load resistance.

## Lithium Iron Battery



### Lithium Iron Phosphate Battery (LiFe P04)

This integrated solar street lamp series uses high-efficiency lithium iron phosphate battery, high temperature performance, high current discharge, and has a cycle life of more than 2000 times.

## Led Chip

LUMILEDS



LUXEON 5050

### Philips Lumileds Luxeon 5050 Chip

By using the Philips luxeon LED chips, our single lumen value is 180Lm/w. It has excellent heat dissipation and maintains high levels of brightness with little fading. The sealed lenses are made with strong UV protected PC and have anti-aging and shock resistant values. The well optimized light distribution makes for a uniform photometric footprint.

## Burn Time

### Burn Time Certification



Burn Time Testing works in conjunction with ASTM standards to evaluate and validate the solar luminaire's performance in a controlled environment based on your required lighting profile. This testing also equalizes the environment, tests the products performance, and provides reliable results that can be compared without subjectivity. Burn Time Testing ensures that the product being considered has undergone stringent, objective, 3rd party testing



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