

ADDENDUM NO. 1

Bid Forms, Specifications and Contract Documents
For
Beaver County Friendship Circle Roads Paving Project

All Bidders submitting proposals for the above referenced project shall review the following modifications, additions, corrections, and interpretations of the BID DOCUMENTS and SPECIFICATIONS. The items discussed in this ADDENDUM shall be considered and included in all proposals and shall become a part of the CONTRACT DOCUMENTS. Receipt of this ADDENDUM shall be acknowledged in the space provided in the BID FORM. Failure to acknowledge receipt of this ADDENDUM on the space provided may be sufficient cause for rejection of the bid.

Instructions:

Item 9000-0004

Product Grid Shift Solar Lighting shall be accepted as an approved equal per product specification attached.

Light pole material and installation shall be included in the pay item.

Indicate receipt of Addendum No. 1 by signing below and returning this addendum by fax to Widmer Engineering Inc. at (724) 847-0419 or by email to vhutton@widmerengineering.com before close of business on June 1, 2026.

Name

Company

Date

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

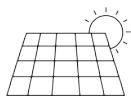
- Monitor
- Set Timing
- Get Alerts



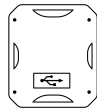
Certifications



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



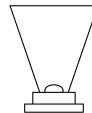
Monocrystalline
Solar Module



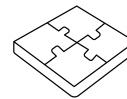
Self Learning
Controller



LiFePO4
Lithium-Iron
Battery



Philips Lumileds
Luxeon 5050
Chip



All-in-One



Optional
Motion Sensor



AMERICAN COMBAT VETERAN OWNED COMPANY



405-673-8684

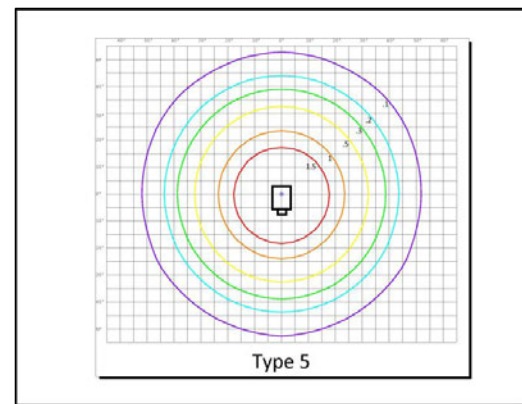
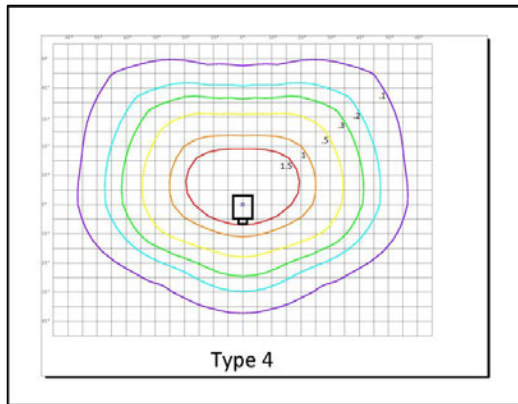
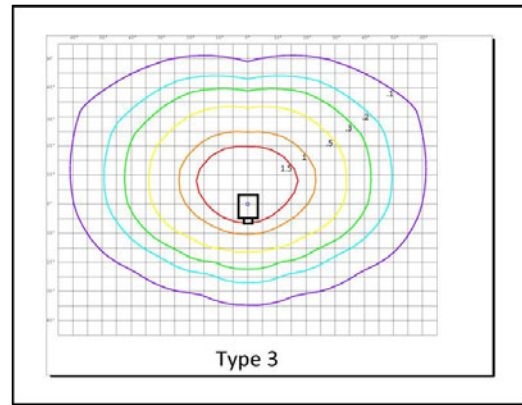
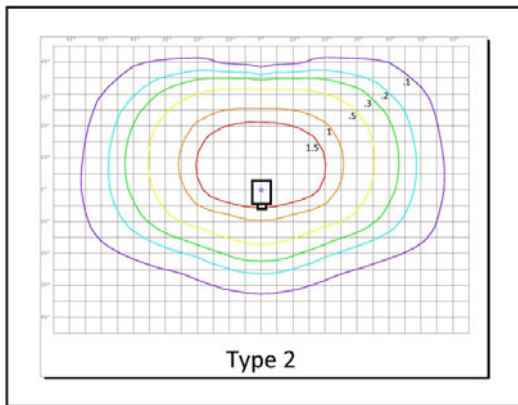
www.gridshiftsolar.lighting

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





Photometrics



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



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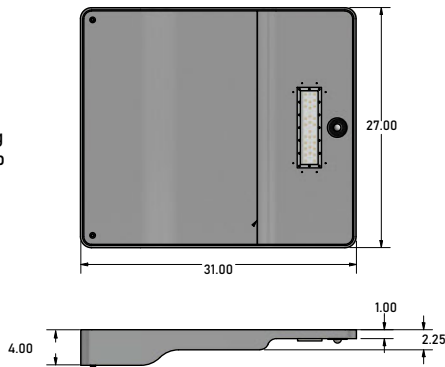


CS-SIE-2731-2

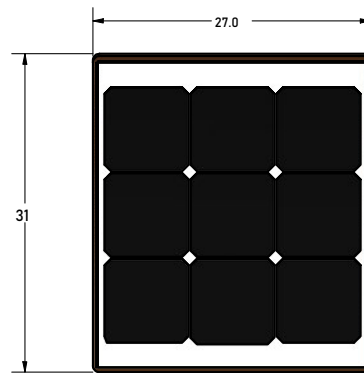


CS-SIE-2731-3

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

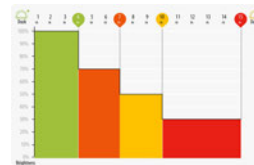
Ordering Description Example							
Cuesta Sol CS-SIE-2731	25	4500	III	30K	BLK	Y	2

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					

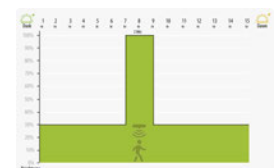


Standard Profile

- 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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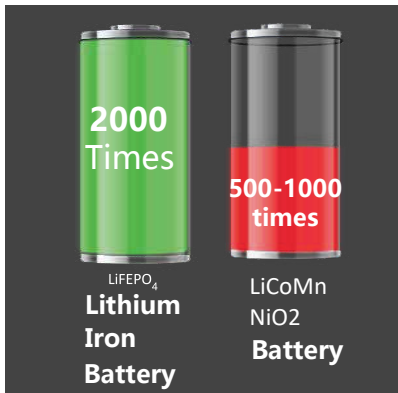
Solar Panel



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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GRIDSHIFT™
SOLAR LIGHTING

405-673-8684
www.gridshiftsolar.lighting

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Wounded Warrior Project

Specifications

GRID SHIFT SOLAR LIGHTING	
Luminaire Power:	60w
Luminous Flux:	10800
Luminous Efficacy:	180 lm/w
Color Temperature:	3000-5000
CRI:	70 or 80
Beam Angle	t2,t3, t4, t5
Lighting Duration:	16.64 hrs
Full Charge Duration:	9
Fixture Weight:	43.21
Luminaire Housing Material:	Aircraft grade Aluminum USA MADE
Luminaire Finish:	Powdercoat
Solar Panel Size:	90w
Battery Location:	Internal-all in one
Charging Operating Temperature:	-4 to 131F
Discharging Operating Temperature:	-22 to 40F

Sonaray	GridShift SIEGE 2731	
State Luminaire Power 60	State Luminaire Power	60
Battery AH 76	Battery AH	78
Battery Volts 12.8	Battery Volts	12.8
Watt hours 972.8	Watt hours	998.4
MAX run time no reserve 16.21333333	MAX run time no reserve	16.64