

Features & Benefits

All-in-One Design

Solar panel, battery, controller, and LED system integrated into one luminaire
No trenching, conduit, wiring, or utility electrical service
Fast installation with minimal site disruption

Performance & Control

High-efficiency lighting maximizes available solar energy
Aimable LED clusters optimize light distribution
CERTIFIED Burn Time performance
Programmable dusk-to-dawn and optional motion-based operation

Easy Maintenance

Easy-access service cabinet with field-replaceable components
Plug-and-play connections with no exposed electrical terminals
Standardized components simplify maintenance and replacement-parts inventory

Municipal Ready

Low-profile design minimizes pole loading
Multiple mounting configurations for new and existing poles
Application-specific photometric and technical support



Certifications



10 Year Available
15 Year Available

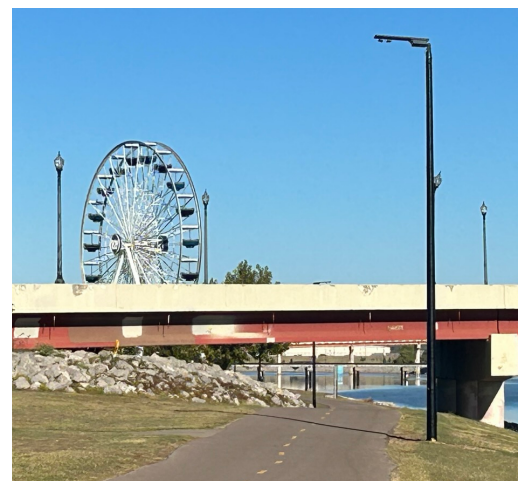


405-673-8684
www.gridshiftsolar.lighting
Corporate: 2803 Broadway Ct. Edmond, OK 73013
California: 3230 Production Ave. STE A Oceanside, CA 92058



Technical Specifications

System Type: Self-contained, off-grid solar LED lighting system
 LED Operating Output: Configurable by energy-system/application requirements
 LED Efficacy: Up to 209 lumens per watt
 LED Source: Philips Lumileds
 LED Rated Life: L90B10 – 100,000 hours at Tq 25°C
 CCT Options: 3000K / 4000K / 5000K / 5700K / 6500K
 CRI: 70 / 80
 Optical Distribution: IES Type II / III / IV / V
 LED Adjustment: Up to 140° aimable LED clusters
 Luminaire Rating: IP65 in accordance with EN 60529
 Housing: Heavy-duty die-cast aluminum with anti-UV, corrosion-resistant exterior finish
 Optical Lens: Sealed UV-protected polycarbonate
 Battery Chemistry: Lithium Iron Phosphate (LiFePO4)
 Battery Voltage: 12.8V nominal
 Battery Cycle Life: >2,000 charge/discharge cycles
 Solar Panel: Bifacial monocrystalline photovoltaic
 Controller: MPPT solar charge controller
 Controller Enclosure: IP67 aluminum enclosure
 Control Modes: Programmable time and power control / optional motion sensing
 Electrical Protection: Battery and PV reverse-polarity protection; LED short-circuit, open-circuit, and power-limit protection
 Electrical Connections: IP65 weather-resistant connections; no exposed power terminals
 Serviceability: Field-replaceable battery with tilt-up service access
 Operating Temperature: -10°C to 50°C (14°F to 122°F)
 Storage Temperature: -20°C to 45°C (-4°F to 113°F)
 Warranty: 5-year non-prorated standard warranty



Bracket Options

(Custom brackets available)



Standard Slip Fit
2 3/8" Tenon



GS-MB-2
Square Pole/Wall Mount



GS-MB-3
Fixed angle



GS-MB-4
Wall Mount

Model	Output Wattage	Lumens	Efficacy	Solar Panel	Battery Voltage	Battery Watt Hours	Burn Time @ 100%	Battery Charging Time	Fixture Dimension	Weight	EPA
CS-COM-SSL-20W	20w	4174lm	210lm/w	80W/18V	12.8V 42AH	537.6WH	24+ Hr	5.76 Hrs	55.83"x 14.37"x 8.32"	43.21 lbs	.85
CS-COM-SSL-40W	40w	8382lm	209lm/w	80W/18V	12.8V 42AH	537.6WH	12+ Hr	6.40 Hrs	55.83"x 14.37"x 8.32"	43.21 lbs	.85





Model #	Wattage	Motion	Color Temperature	Optic Type	Mount
GS-COM-SSL	20	00-No Motion	3000K	II	S – Standard
	40	SN-Motion Sensor	4000K	III	2 - GS-MB-2
			5000K	IV	3 – GS-MB-3
			5700K	V	4 – GS-MB-4
			6500K		C-Custom

Example: GS-COM-SSL-40-SN-3K-II-S



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