Solar-Powered LED 12V / 4-Bulb Lighting System / 50W

SLR002-50W-TPW-001

Clean, Renewable Off-Grid High-Intensity Light Source for Off-Grid Environments

Complete System: From Sunlight to Bulb Light — Up to 6 Hours of Continuous Illumination per Full Charge

SYSTEM INCLUDES

Everything needed to convert sunlight to electricity for lighting:

- **Solar Panel:** 50-Watt / IP65
- **Cables:** (4) 20-ft/18 ga. with (4) Light Sockets
  (1) 20-ft/18 ga. w/ Cigarette Lighter Connector
  (1) 12-inch/18 ga. w/Cellphone Charge Conn.
  (1) 6-ft/14 ga. battery cable
- **Solar Power Box** with Charge Controller
- **Lamps:** (4) 12/14VDC White LED Floodlights

OPTIONAL ACCESSORIES

- **Battery:** 12V / 18-Amp-hour / Sealed
- **Fan:** 8 inch (203.2mm) / 12VDC / 1.5A Max
  18 Watts Max

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	SLR002-50W-TPW-001
PV MODULE / SOLAR PANEL	
Cell Type	Monocrystalline
Frame Material	Anodized Aluminum Alloy
Front Cover	Tempered Glass
Maximum Power (Pmax)	69 W typ @ 1000W/m²
Working Voltage (Vmax)	12V-17V
Max. Power Current (Imax)	4.60A
Open Circuit Voltage (Voc)	21.50V
Short Circuit Current (Isc)	4.80A
Dimensions	31.10" x 26.10" x 1.08" 789.9 x 663.0 x 27.4mm
Weight	12.76 lbs / 5.8 kg
Environmental Rating	IP65 (Protected from Dust & Rain)
LAMPS	
Emitted Color	True White
Color Temperature	4800K-5200K
Viewing Angle	*4 x* 40° *[Full Beam Width @50% Intensity]*
Input Voltage	12-14VDC
Input Current	422mA
Input Power	5 Watts
Efficacy	82 lm/W
Maximum Candela	680 cd
Total Lumens	410 lm

BATTERY

- Rechargeable Sealed Lead Acid / 12V / 18Ah
- 1000~2000 Charge/Discharge Cycles – Lifespan of up to 6 Years

SOLAR POWER BOX

- 14 AWG Wiring, Terminal Block, Voltage Regulator with Low-Voltage Disconnect
- 5 Amps Maximum Current
- **Autoswitching** 12/24 VDC
- **Fused** for Protection
- **Charge Time:** 8 Hrs. in Sunlight
- **Operational Time:** Up to 6 Hrs. with 4 Lamps, 1 8-inch Fan, 1 Cell Phone Charger
- Battery **Overcharge and Overdischarge Protection**
- **RCA Jacks:** 12VDC – Power (4) Light Sockets, (1) Cellphone Charger, (1) Fan

CELLPHONE CHARGE CONNECTORS

- (2) Cigarette Lighter Connectors: (1) 12-ft, (1) 20-ft
- 0.3A Max

CUSTOM OPTIONS

- Larger Sized Solar Panels Available
- Larger Sized Batteries
- Optional 12-Volt Lamp Styles
- Other White Light Color Temperatures

FEATURES

- **Kit Warranty:** 1 Year
- 12V Power Connectors for **4 Lamps, 1 Fan** & 1 **Cellphone Charging** Adapter
- Solar Panel Meets **IP65** for Environmental Protection from Dust & Rain
- **ON/OFF Switch-Selectable** for Lamps & Solar Panel Charge
- Houses Charge Controller and Battery
- Battery Lasts 3 to 6 Years

APPLICATIONS

- **Emergency:** Roving Blackouts or Power Outage Home Backup Lighting
- **Off-Grid Sites:** Remote Cabins, Offshore Oil Platforms
- Marine & Boating
- Recreational Vehicle or Motor Homes / Cabins
- **Nature Enthusiasts:** Campers & Hunters
- **Disasters:** Earthquake and Hurricane Emergency Kits

***White LED technology** is patent protected in the United States. LEDtronics white LED products are covered under these patents.*

BENEFITS

- **Major Energy Cost Savings:** Solar-Rechargeable Battery Offers Utility-Independence
- Fully-Charged Battery Powers 4 High-Intensity Lamps, 1 Fan & Charges 1 Cellphone for Approx. 6 Hours
- **Eco-Friendly:** Solar-Rechargeable Battery Eliminates Environmental Impact Associated with One-Time-Use Batteries
- **Easy & Quick to Install** and Virtually Maintenance-Free
- **Eliminates Hazards** (Fires, Burns, Fumes, Spills and Explosions) and Fuss of Using Propane or Kerosene-Fueled Lighting
- **Clean, Green Energy** from the Sun: Using LED Lamps with Renewable Energy Sources Helps Reduce Reliance on Fossil Fuels

www.LEDtronics.com

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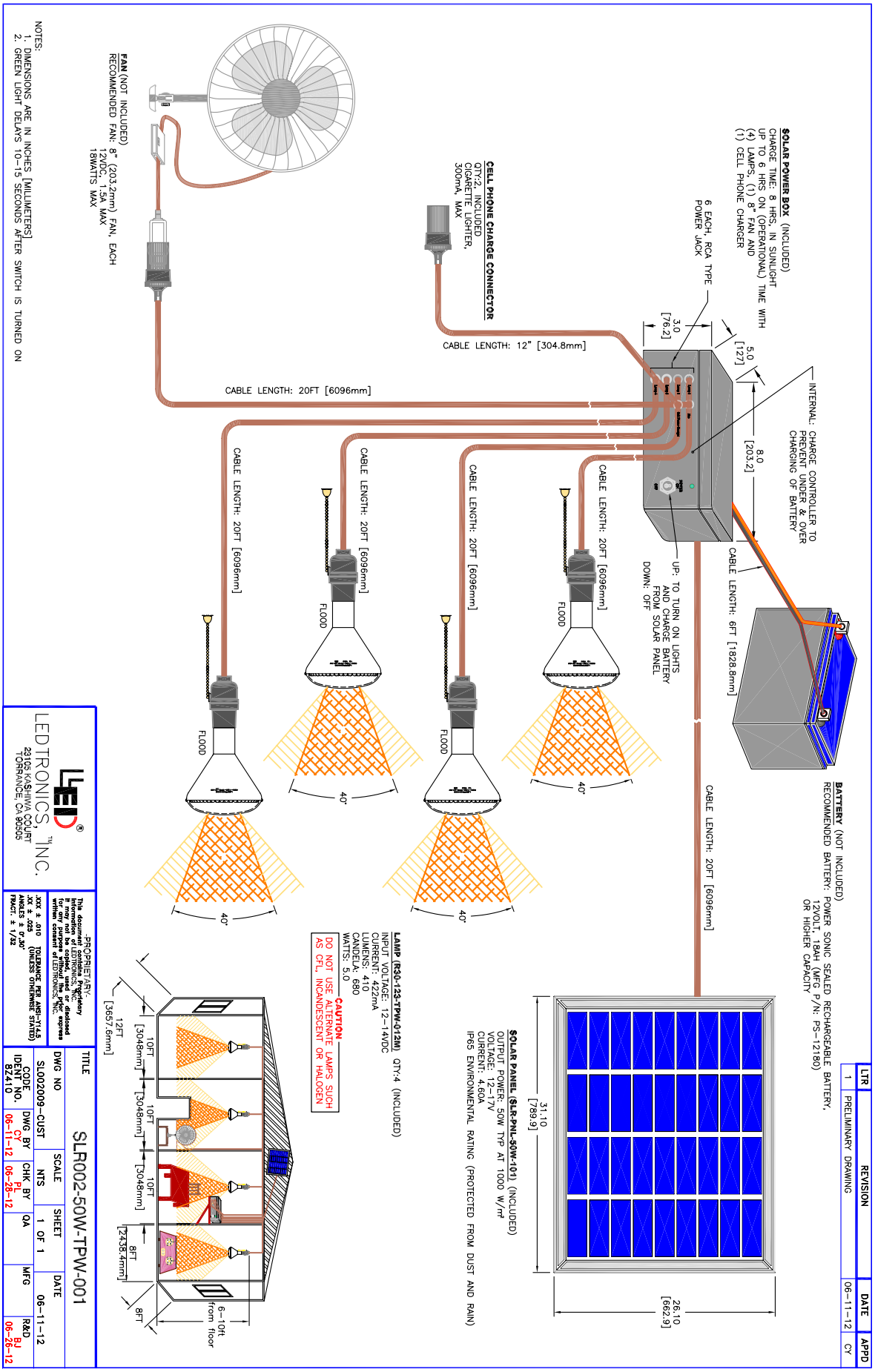
Check **LEDTRONICS.COM** for latest data. Printed material may be outdated.

LEDTRONICS®
Creating the Future of Light Since 1983™

ISO 9001:2008 CERTIFIED by DNV

23105 Kashiwa Court, Torrance, CA 90505
Phone: (800) 579.4875 / (310) 534.1505
Fax: (310) 534.1424
E-mail: info@ledtronics.com
Website: www.ledtronics.com



NOTES:
1. DIMENSIONS ARE IN INCHES [MILLIMETERS]
2. GREEN LIGHT DELAYS 10-15 SECONDS AFTER SWITCH IS TURNED ON

LTR	REVISION	DATE	APPD
1	PRELIMINARY DRAWING	06-11-12	CY

UNLESS OTHERWISE STATED:
XXX ± .010
XX ± .020
ANGLES ± 0° 30'
FRACT. ± 1/32

LEDTRONICS, INC.
23105 KIDDY ST.
TORRANCE, CA 90505

TITLE	SLR002-50W-TPW-001		
DWG NO	SL002009-CUST	SCALE	NTS
SHEET	1 OF 1		
CODE IDENT NO.	92410	DWG BY	CY
CHK'D BY	QA	MFG	
DATE	06-11-12	06-11-12	06-26-12
R&D			06-26-12

NOTE

- Wiring and bulb sockets are not rated for outdoor use. These devices are subject to corrosion if left outdoors.
- Do not use alternate lamps such as CFL, incandescent or halogen
- Green light delays 10-15 seconds after switch is turned on
- When charging a cell phone with the Solar Kit, the user will need to provide a POWER ADAPTER used to convert 12-volt automotive power to their cell phone's power needs, typically 5V with a Micro-USB plug.