

12V & 24V Medium-Base Bulbs

These low-cost bulbs are the least efficient of all lamps that we sell, but they are still more than 30% more efficient than 120-volt lamps. They have a standard medium base, so they fit into standard sockets found in most 110 VAC fixtures. AC lamp sockets rated for up to 300 watts at 110 VAC can usually handle up to 50 watts at 12 VDC. Use 600-watt rated sockets for 100-watt 12-volt bulbs. 300-watt rated sockets are good for 100 watts at 24 volts.



Volts	Watts	Length	Item code	Price
12	25	4"	066-00025	\$2
12	50	4"	066-00029	\$2
12	75	5"	066-00033	\$4
12	100	5.5	066-00037	\$4
24	25	4"	066-00139	\$5
24	50	4"	066-00143	\$5
24	100	5.5	066-00147	\$9

12V Candelabra Base Lamps



The 6-watt miniature screw or "candelabra" base bulbs look like regular nightlight bulbs. The 15-, 25- and 40-watt bulbs have a decorative candle flame shape.

Volts	Watts	Length	Item code	Price
12	6	1.75"	066-00061	\$1.85
12	15	3.5"	066-00065	\$2.50
12	25	3.5"	066-00069	\$2.50
12	40	3.5"	066-00073	\$2.50

12V MR-16 Flood Lamps

Tungsten-halogen bulb with a multifaceted dichroic reflector provides sharp, clean light and excellent color rendition. These bulbs have a GX5.3 2 pin base and will fit a medium base socket when used with the MR-16 adapter. These lamps have a glass cover over the halogen lamp to prevent damage from splashed water or human contact.



Volts	Watts	Item code	Price
12	20	066-01332	\$4
12	35	066-01334	\$4
12	50	066-01336	\$8

Halogen Bi Pin Lamps



These tiny halogen lamps are very bright. They are recommended for locations where they will not get wet or be looked at directly.

Volts	Watts	Item code	Price
12	20	066-01310	\$4
12	50	066-01314	\$4
24	20	066-01311	\$4
24	50	066-01315	\$5

GX5.3 to Medium Base Adapter

This adapter allows 12-volt MR-16 reflector lamps and halogen bi-pin lamps to be used in any standard medium-base socket powered by 12 volts. Lamps plug into holes in adapter. A tight friction fit allows adapter to be used safely with lamp pointing downward.



Description	Item code	Price
Medium-base adapter	066-01340	\$9

Dr. LED

Mars Dome

The Mars Dome is a general purpose, surface-mount, two-level white-LED light fixture. These lights produce a warm white light and are fabricated from the highest quality components to assure long life and trouble-free function. Their patented internal circuitry provides consistent brightness and makes them immune to life-shortening voltage fluctuations. Their incredibly low power draw makes them the perfect way to reduce energy consumption in your RV, boat or solar off-grid cabin. The three-position switch lets you choose off, 0.09A on low and 0.18A on high. Internal circuitry provides for constant current consumption, regardless of voltage fluctuations from 11 to 15 VDC. 5.5" diameter chrome flush mount fixture.



Description	Item code	Price
Mars dome 2-level 5.5" LED fixture	066-04270	\$80

Luxeon 12V LED Flood Lamp

Screw-in. Notice wide light spread angle. Luxeon new technology is too bright to look directly into. Has internal voltage regulator for constant full brightness with varying battery voltage.



Description	Amps	Item code	Price
Luxeon LED flood	0.2	066-04107	\$55

12V LED Cabin Light

This high-efficiency, wall-mount 12-volt light has an adjustable swivel that puts the light where you want it. It has a push button on/off switch and three ultra-bright white LEDs. All parts are plastic. Power consumption is only 30mA, less than 1/2 watt!



Description	Watts	Item code	Price
LED cabin light	0.5	066-04503	\$32

Dr. LED Lamps

Unique, cutting-edge internal circuitry and the highest quality components make Dr. LED lamps the longest lasting, most energy efficient LED products on the market. These high quality, general purpose bulbs produce a warm, white light, and are the perfect way to reduce energy consumption in your boat, or even your home. They have a long service life, are shock proof, and UV-, lead- and mercury-free. They produce a spot-type beam and are best used in directional light fixtures.

The eBulb

This high quality Par-20 36 LED bulb produces a warm, slightly golden white light, and is the perfect way to reduce energy consumption in an off-grid home. It has an extra long service life, is shock proof, and UV-, lead- and mercury-free. This bulb best used in directional light fixtures such as desk lamps.



PAR16-24

This medium screw-base lamp has 24 LEDs per bulb (equivalent to 48 ultra-bright LEDs). Its soothing warm white (~3200K) spot seems like a 30W lamp within the main beam and is good enough to read a book.



MR16 LED Bulb

This high quality bulb produces a cold, bluish white light. It is designed to replace MR16 halogen lamps in track lighting and similar fixtures that use a twin-pin connector bulb working at 12 volts.



All Dr LED products feature a one-year warranty.

Description	Amps	Diameter	Length	Item code	Price
Par20 36 LED eBulb	0.3	2.0"	4.13"	066-04232	\$40
Par16 24 LED lamp	0.12	2.0"	2.0"	066-04238	\$30
MR-16 24 LED lamp	0.12	2.0"	2.0"	066-04251	\$30

EverLite

Solar LED Spotlight

This is a high-tech solar spotlight with eight ultra-bright, 50,000 mcd white LEDs and a built-in nickel-metal hydride battery pack. The lightweight 2 pound EverLite is ideal for camping, backpacking or other outdoor activities. It operates 24 hours or more from its fully-charged battery and provides 12 hours of light output from about 3 hours of charging in full sun or 10 hours of gray overcast sky. The solar panel sits on the ground or can be mounted to almost any surface. It connects to the light with a 15-foot detachable cord that can be disconnected to make the light portable. EverLite's waterproof design makes it suitable for outdoor use. The lamp turns off when you fold it down into the closed position. When unfolded, it automatically turns on at dusk and turns off at dawn.

The compact Everlite has the same bright light with half the battery and charging capacity. It runs for 12 hours on a full charge and provides 6 hours of light output from about 3 hours of charging in full sun.

Optional chargers include a 12VDC charger with a cigarette lighter plug, a 12-volt hard-wire kit for permanent connection to a 12-volt battery system, and a 120VAC charger. All of the optional chargers plug into the same jack as the solar module.

Other optional accessories allow the EverLite battery pack to charge cell phones and other portable devices. The 12-volt converter has a cigarette lighter receptacle to plug in a standard cell phone car charger. The 5-volt converter can recharge or operate your personal CD player, electronic game, iPod or PDA, and comes with 6 different DC plug styles that will fit most handheld electronic devices.

EverLite has a 2-year replacement warranty for any defects in parts or workmanship.



EverLite part #	Description	Item code	Price
EL-6D	EverLite solar spotlight	066-07144	\$78
EL-6C	EverLite compact solar spotlight	066-07146	\$60
EA-3	AC charger	066-07149	\$11
EA-4	12-volt charger	066-07147	\$11
EA-5	12-volt hard-wire charger	066-07151	\$11
EA-1	12-volt converter	066-07152	\$19
EA-2	5-volt converter	066-07153	\$19
AF-1	Nylon travel case	066-07155	\$19

Power Up

12V LED Rope Light

This long-life high-intensity LED rope light uses 0.96 watts per foot and has an LED every inch. It can be cut to length. A maximum of 80 feet can be used before dimming is noticeable. Dimensions are 10.5mm x 12.5mm (0.41 inch x 0.4 inch) and we can supply up to 150 feet in one length. Order the number of feet required and a power cord, connector and end cap.

Description	Item code	Price
12-volt white LED rope light - per foot	066-04062	\$20
Rope light end cap	066-04067	\$3
Rope light power connector	066-04069	\$3
Rope light 6-foot power cord	066-04068	\$4

Osram

Co-Pilot Halogen Lights

These 12-volt, 5-watt lights have a flat black finish with a flexible arm and focused reflector. The lights use very little power but focus a large amount of quality light in a small area. They are great for reading and hand tasks. The base is designed to be permanently mounted to the work surface with two screws or plugged into a cigarette lighter plug in the case of the 7" model.

Description	Item code	Price
Copilot 20" 5W 12V	066-01285	\$30
Copilot 12" 5W 12V	066-01288	\$30
Copilot 7" 5W 12V w/ lighter plug	066-01291	\$28
5W replacement bulb	066-01328	\$7



Low-Voltage Compact Fluorescent Lamps

CFL (Compact Fluorescent Lamps) lighting provides very high illumination levels with an 80% savings in power consumption over incandescent lamps. These high quality DC lamps are designed to be used in 12-volt and 24-volt battery systems. Cool-white 6400°K lamps provide a bright blue-white glow. Warm-white 2700°K lamps provide a light similar to incandescent lamps. The life span of the lamp is more than 6,000 hours. A special electronic circuit guarantees more than 50,000 switching cycles. The lamps have a standard E27/Edison socket. 2-year warranty.

Nominal voltage	Lamp type	Watts	Color temperature	Dimensions L" x dia."	Item code	Price
12	Spiral	7.5	2700K	4½ x 1¼	066-02131	\$14
12	Spiral	11	2700K	4½ x 1¼	066-02138	\$14
12	Spiral	11	6400K	5 x 2¼	066-02139	\$14
12	Spiral	15	2700K	5 x 2¼	066-02150	\$20
12	Spiral	15	6400K	5 x 2¼	066-02152	\$20
12	3 U tube	30	2700K	8 x 3	066-02172	\$35
12	3 U tube	30	6400K	8 x 3	066-02170	\$35
24	Spiral	15	2700K	5 x 2¼	066-02261	\$20
24	Spiral	15	6400K	5 x 2¼	066-02263	\$20



Thin-Lite Low-Voltage Fluorescent Lighting

Thin-Lite 12- and 24-volt fluorescent fixtures are both efficient and attractive. Anodized aluminum housing and clear acrylic diffuser lenses provide high light output on three sides. They are designed for commercial and industrial vehicles, and for use in remote area housing, schools and medical facilities in conjunction with alternative sources of energy. Comes with tube and ballast. Some models come with a switch on the side. These fixtures use the same standard fluorescent tubes as AC fluorescent fixtures. Replacements can be purchased locally. 1-year warranty.



193



181 & 281



194



957

Thin-Lite model	Fluorescent tube watts	# of tubes	Lumens	Volts	Amps	Switch	Dimensions L" x W" x D"	Item code	Price
193	15	1	870	12	1.3	yes	18 x 2.25 x 2.44	066-02431	\$35
194	15	2	1740	12	2.1	yes	18 x 4.5 x 1.5	066-02439	\$48
181	20	1	1250	12	1.6	no	24 x 3.63 x 3.5	066-02435	\$47
957	36	1	2618	12	2.45	no	18.9 x 4.5 x 1.5	066-02441	\$62
281	20	1	1250	24	0.8	no	24 x 3.63 x 3.5	066-02464	\$55

12V Fluorescent Outdoor Flood Light



These weatherproof lights are designed to meet the demand for solar powered sign lighting and area lighting. They have ½" male pipe thread mounts and can be used for up lighting or down lighting. They use an electronic ballast that will operate down to -20 ° F. Replacement fluorescent tube is S/E 13-watt tube. This light uses 1 amp at 12VDC.

Description	Watts	Item code	Price
12V fluorescent flood	13	066-02478	\$75

12V Low-Pressure Sodium Outdoor Light



These are 12 volt versions of common LPS street lights. Low pressure sodium give the most lumens per watt of power consumed, but the light is an orange-pink color.

Cast aluminum housing has a vandal resistant polycarbonate diffuser. A wall or wood pole mount bracket is included. Warm-up time is 7 to 10 minutes. Also has a photocell and a 1 to 15 hour adjustable timer may be used or by-passed. Weight is 6.30 lbs (2.857 kg)

Model	Watts	Lumens	Item code	Price
LPS-118LT	18	1800	066-05818	\$380
LPS-135LT	35	4800	066-05821	\$380

American Solar Electric

Solar Coach Light

The Solar Coach Light is a commercial solid metal light fixture with integrated solar modules, designed to light streets and yards. It has 42 powerful extra-bright LEDs, 18 watts of charging solar modules, a automatic on/off light sensor and a 12-volt, 12 amp-hour sealed battery. This is no garden light ! The Solar Coach Light will stay on over 30 hours (that's 2-4 nights depending on time of year) without sunlight charge. The solar modules are guaranteed for 10 years and are made of tempered glass, Monocrystalline and Tedlar lamination (just like large commercial-grade modules). The battery should last 1 - 3 years depending on temperature and the LEDs 30,000 hours. It was originally designed for Las Vegas and the southwestern states to replace the resource-wasting gas lights that are sold by the gas company and remain on 24 hours per day. When gas was cheap, the idea of burning the lamps day and night seemed acceptable, but now with higher natural gas prices, it has become very costly.



Description	Item code	Price
Solar Coach Light	066-04581	\$1,240

Light Pollution is any adverse effect of artificial light, including sky glow, glare, light trespass, light clutter, decreased visibility at night, and energy waste.

The mission of the **International Dark-Sky Association (IDA)** is to preserve and protect the nighttime environment and our heritage of dark skies through quality outdoor lighting.

Goals:

1. Stop the adverse effects of light pollution.
2. Raise awareness about light pollution, its adverse effects, and its solutions.
3. Educate about the values of quality outdoor lighting.

For more information: www.darksky.org