

solar SOLUTIONS[®]

LED LIGHTING CATALOG



PROFESSIONAL SUPPLY, INC.
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Solid State Lighting Retrofits



Solar Solutions by PSI (Professional Supply Inc.) can provide retrofit lighting kits for many outdoor applications, such as parking lot lighting, wall packs and canopy lighting. We have the ability to accommodate most outdoor fixture types.

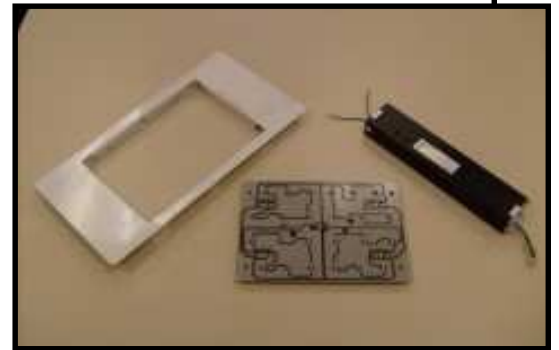
The UL-approved solid state LED lighting board is a direct replacement for 150w, 250w, and 400w metal halide and mercury vapor bulbs commonly found in parking lots today. The LED lighting board uses just 25% of power to produce the same light output.

Based on operating the light an average of 12 hours per day, the average 50,000 hour life span should produce 11 or more years of operation.

Solid state lighting contains no harmful Mercury or PCBs. Also, each order is supplied with a pre-paid EasyPak recycle container.

Installation of retrofit kits is quick and easy. Just remove the old lens, bulb, and reflector and disconnect power to the existing ballast. Connect power to the retrofit kits, screw the kit into place, and you are done.

For proper pricing, forward to us the make and model of your existing fixture and the voltage requirements. With this information, along with your existing electric utility rate, we can give you firm quotation along with a simple return on investment for the installation.



Based on today's electric rates and no maintenance for 10 years, these lights can have an ROI of 18 to 24 months.



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Benefits of Retrofit Kits



- **Cost**

1. Retrofits are significantly lower in first cost.
2. Installs into any existing fixture without having to replace entire housing which saves on labor and installation costs.
3. Federal tax benefits are better for retrofits rather than new fixtures

- **Superior Heat Management over other Manufacturers**

1. Our heat sink is specially engineered for proper cooling and heat dissipation within an enclosure.

- **Renewable Ready**

- **Other Advantages to our Product:**

1. All products are made in the U.S.
2. Our products are the only LED Manufacturer which has a UL (component) listing. (UL # E326977 registered in US and Canada) which means that this can go into any existing fixture on the market.
3. We only use CREE LEDs, ranked the leader in LED technology.
4. We have 3 years of field testing, with 2 years of it at our own facility here in Fremont.



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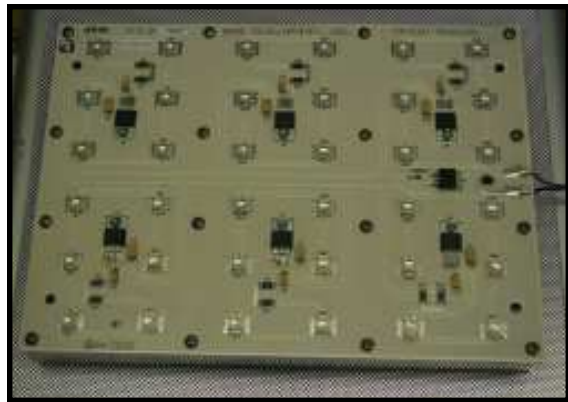
SS-7s

The SS-7s is best suited for Solar applications.

The SS-7s was developed for the solar industry. These are sold as components to solar companies who have extensive knowledge in solar design and need a light source that can deliver high output and energy efficiency.

These light boards run at 48v and draws 88 watts to produce an equivalent of a 400 watt bulb (which actually consumes 465 watts).

They can also be adapted to retrofit current fixtures where solar panels have been adopted for primary power.



Features:

1. Rugged Vibration Resistant
2. Unlimited Mounting Configurations
3. Compact 7.25" w x 10.0" l x 1.75" h
4. Polarity Protection

Electrical Specifications:

1. 36 Hi Power Cool White LEDs
2. 50,000 hours Minimum
3. 48v DC
4. 88 watts

Photometric Characteristics:

1. Color Temperature - Cool White 5600 K(avg).
2. 87.9 nominal lumens per watt



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SS-8

The SS-8 was specifically designed for the Service Station and Parking Lot industry.

Its superior heat management and compact design make it ideal for retrofitting existing fixtures commonly found in these environments.

It is designed for both recessed and surface mount Canopy lighting including Pole Lights as long as the diameter is over 14", and Street Lighting (Cobra Head) Fixtures.

These light boards run at 48v and draws 88 watts to produce an equivalent of a 400 watt bulb (which actually consumes 465 watts).

Features:

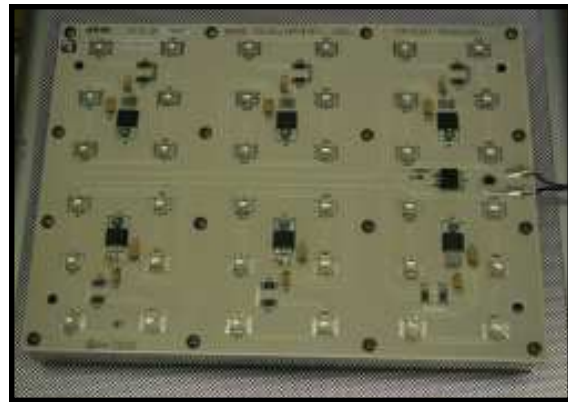
1. Rugged Vibration Resistant
2. Unlimited Mounting Configurations
3. Compact 7.25" w x 10.0" l x 1.75" h
4. Polarity Protection

Electrical Specifications:

1. 36 Hi Power Cool White LEDs
2. 50,000 hours Minimum
3. 90v - 277v 60Hz
4. 88 watts

Photometric Characteristics:

1. Color Temperature - Cool White 5600 K(avg).
2. 87.9 nominal lumens per watt



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SS-9

The SS-9 was specifically designed for Wall Pack and Street Lighting Retrofits.

Its superior heat management and compact design make it ideal for retrofitting existing fixtures commonly found in these environments.

It is best suited for common Wall Packs as long as the diameter is over 12", and Street Lighting (Cobra Head) Fixtures.

These light boards run at 24v and draws 59 watts to produce an equivalent of a 250 watt bulb (which actually consumes 295 watts).

Features:

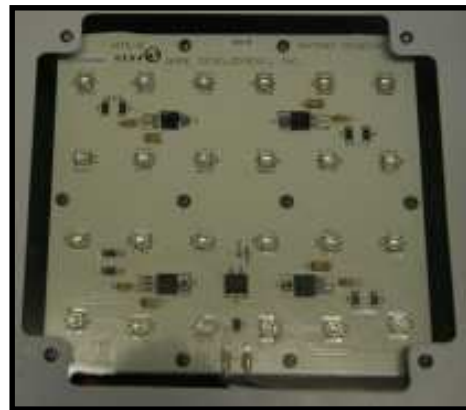
1. Rugged Vibration Resistant
2. Unlimited Mounting Configurations
3. Compact 7.25" w x 7.25" l x 1.75" h
4. Polarity Protection

Electrical Specifications:

1. 24 Hi Power Cool White LEDs
2. 50,000 hours Minimum
3. 90v - 277v 60Hz
4. 59 watts

Photometric Characteristics:

1. Color Temperature - Cool White 5600 K(avg).
2. 87.9 nominal lumens per watt



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SS-9a

The SS-9a is best suited for common Wall Packs and Decorative Lighting Fixtures.

Its superior heat management and compact design make it ideal for retrofitting existing fixtures commonly found in these environments.

These light boards run at 24v and draws 36 watts to produce an equivalent of a 150 watt bulb (which actually consumes 188 watts).



Features:

1. Rugged Vibration Resistant
2. Unlimited Mounting Configurations
3. Compact 3.38" w x 7.25" l x 1.75" h
4. Polarity Protection

Electrical Specifications:

1. 12 Hi Power Cool White LEDs
2. 50,000 hours Minimum
3. 90v - 277v 60Hz
4. 29 watts

Photometric Characteristics:

1. Color Temperature - Cool White 5600 K(avg).
2. 87.9 nominal lumens per watt



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General Installation Instructions for all SS-Series Retrofit Kits



Typical Installation of 2x2 Surface Mount and Pole Lights

1. After insuring the affected circuits are properly connected, drop down lens frame and clean the glass.
2. Remove the bulb and carefully deposit in recycle container provided.
3. Remove reflector and ballast.
4. Remove Retrofit Kit from container.
5. Attach electric wires from kit to existing leads in fixture.
6. Secure kit using screws provided.
7. Close lens frame.
8. Test for proper operation.

Questions about installation? Call 419-332-7373.

Safety Warning:

All SS-Series Retrofit Kits should be installed by qualified personnel familiar with safe electrical practices. Lock out tag out procedures should be observed.



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EASYPAK



Recycling Made Easy



The EasyPak™ Recycling Program is offered for our many customers who generate spent lamps, batteries, ballasts, and/or thermostats and cannot meet our quantity minimums for bulk pick-ups. Small shipments are instead shipped through pre-paid FedEx Ground transportation services. The program is simple, requires little paperwork, and is a practical option for facilities nationwide.

When you need to dispose of lamps, ballasts, batteries, and thermostats, simply order EasyPak™ containers. EasyPak™ containers make it easy to recycle and comply with today's changing regulations. One price includes everything you need: container, shipping to recycling center, recycling fees, and certificates of recycling.

EasyPak™ Program Advantages

- Minimize storage - when it's full, ship it, it's pre-paid.
- Simplify paperwork - no complicated, expensive manifests.
- One order can provide recycling services for an entire year.
- Customer service representatives are available to assist you.
- Reduces the administrative burden while retaining control of disposal.
- Easy ordering process. Simply go to our website at www.lamprecycling.com or call toll-free 888-640-6700.
- Easy to follow instructions, complete with illustrations that are printed on the box in English and Spanish.
- Minimizes the chance of facility contamination by reducing on-site storage and subsequent accidental breakage and/or leakage.

EasyPak™ Products:

- **4' EasyPak™ Lamp Recycling Box** - holds (32) T12 or (64) T8 4ft straight fluorescent lamps; can also hold U-tube, HID, and Shattershield lamps.
- **8' EasyPak™ Lamp Recycling Box** - holds (15) T12 or (30) T8 8ft straight fluorescent lamps.
- **EasyPak™ Battery Recycling Container** - holds up to 55lbs of dry cell batteries. Various types of dry cell batteries include alkaline, nickel, cadmium, nickel metal hydride, iron, zinc carbon, and silver, as well as AA, AAA, C, D, & 9-volt.
- **EasyPak™ Ballast Recycling Container** - holds up to 55lbs of TSCA exempt non-PCB lamp ballasts.
- **EasyPak™ Thermostat Recycling Container** - holds up to 13lbs of mercury containing thermostats.



Here's how it works:

1. Order as many containers as you need for your facility. The more you buy, the more you save!
2. The EasyPak™ containers will be shipped to you with a return shipping label and instructions.
3. Once the container is full, tape the box closed or seal the lid on the bucket, fill out the supplied shipping label with your facility's name and address.
4. Ship the container via FedEx Ground to the recycling facility for processing. Certificates of Recycling will be issued, provided the generator information label is completed. If you have larger quantities of lamps, ballasts, batteries, or computer hardware, we offer competitive pricing, containers, documentation, and nationwide service coverage for bulk pickups.

www.lamprecycling.com • 888-640-6700