

PML-LED65WRE

65W LED Spotlight - Adjustable Tilting Base - Permanent Mount - 3000' Spot Beam

Product ID: 273140

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

PML-LED65WRE LED Spotlight

Lamp Type: Cree LED

Dimensions:Light - 11.82"-H x 6.2"-OD / Handle - 4.5"-L

Watts: 65

Led Drive %: 90%

Voltage: 12-32 V DC

Spot Beam: 3000' L

Lighting Configuration: 10° Spot, 60° Flood

Wiring: 16' Cigarette Coil, 16' Cigarette, 21' Ring Terminals, 16' Battery Clamps, or 16' Flying Leads

Amps: 5.42 @ 12 V DC - 2.71 @ 24 V DC

Lumens: 4355

LED Light Color: 6000K

LED Life Expectancy: 50,000 hours

Materials: Aluminum Housing, Polycarbonate Lens

Housing Colors: Black or White

Internal LED Driver Features

Fast Average Current Control

Programmable Off-Time Switching

Linear Dimming Input

Short Protection w/ Skip Mode

Ambient Op Temp -40°C to +85°C

Pin-Compatible with the HV9910B

[View Avg-Mode Driver Control PDF](#)

CE Certified

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

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The PML-LED65WRE from Larson Electronics is a LED Handheld Spotlight that is ideal for use in marine environments, industrial and commercial applications, heavy equipment illumination, vehicle lighting, and law enforcement. This ultra compact LED light produces a 4,355 lumen output with

low voltage and amp draw, 50,000 hour service life and 12 to 32 volt compatibility providing operators with a versatile and powerful LED lighting solution. This spotlight offers high light output in a compact profile combined with a durable handle and a permanent mount adjustable base.

The PML-LED65WRE LED handheld spotlight from Larson Electronics produces 4,355 lumens of bright light while drawing less than 5.42 amps from a 12 volt electrical system. A single Cree 65 watt LED producing 4,355 lumens is combined with a high output reflector to produce a narrow 10° spread spot beam approximately 3000' long. This particular unit is ultra compact at 6.7" OD, which makes it ideal for applications where electrical power and mounting space is at a premium.

The LED WRE series LED lights are waterproof to 3 meters, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications. The versatile mounting and high output adjustable light head make this spotlight ideal for hunting and off-road applications.



This photo shows an open parking lot lit only by ambient light at approximately 9:00 PM.

[Click Photo to Enlarge](#)



This photo shows the LED25WRE in spot configuration. The building in the distance is 300' away, well illuminated by the LED spotlight.

[Click Photo to Enlarge](#)

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Voltage: These units are also able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LED WRE series LED lights can operate on current ranging from 12 V to 32 V DC without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in vehicle electrical systems which would otherwise result in burning up or premature LED failure without it.

Durability: As well as unparalleled heat control, the LED WRE series of LED lights from Larson Electronics also offer IP68 rated construction that is designed to withstand

extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40° Celsius to 85° Celsius, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The CREE LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

Mounting: This light has a 4 inch square steel mounting plate that is secured to the mounting surface via 4 screws. The mounting assembly on this unit allows the unit to be rotated and adjusted vertically. The adjusting hinges on this light are tensioned, allowing the user to simply position the light as desired without any need for locking the unit into place. Once positioned, the light will hold its position until the user again repositions it. The heavy gauge steel handle bracket supports the hinged lamp head and a solid polypropylene handle for easy adjusting of the light beam.



16ft Coil Cord w/Cigarette Plug
Click Images to Enlarge



21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

Wiring: Each light comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin Deutsch connector which easily and securely attaches and detaches the coil cord from the spotlight. Other cords, including 21 foot cords with ring terminals (C-21RT), 16 foot cord with spring battery clamps (alligator clips) (C-16BC) and a 16 foot straight cord with cigarette plug (C-16CP) are available. This light can be ordered in either 12 volt or 24 volt configuration, allowing it to be used with any vehicle or ATV equipped with a cigarette plug. Choose voltage below when ordering.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)

PML-LED65WRE

Product ID: 273140

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

PML-LED65WRE-Cord

Example: PML-LED65WRE-16CP

Cord	
COIL CORD	-16CP
STRAIGHT CORD	-16SC
BATTERY CLAMP	-21BC
RING TERMINALS	-21RT

Links (Click on the below items to view):

- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)