

Permanent Mount Control Light - Rotates and Pivots - 7, 3-Watt CREE LEDs - 625' Spot Beam

Part #: PML-7LED-3C

**Buy American Compliant**

The Magnalight PML-7LED-3C Permanent Mount Control Light offers high light output and a compact profile combined with durable permanent mounting and versatile power options. This IP68 rated LED light bar is waterproof to 3 meters and produces 1596 lumens while drawing only 21 watts of power @1.7 amps from a 12 volt electrical system. This light can run on any voltage from 9 to 48 VDC and provides a durable and compact lighting solution that is ideal for use in commercial, law enforcement, marine, security and military applications.

The PML-7LED-3C control light from Magnalight produces a 625" long by 50' wide light beam with 1596 lumens of bright light. Seven Edison Edixeon® Emitters containing CREE EZBright® three watt LEDs producing 228 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam with limited spread or light spillage. Unlike other LED units, this model is NOT a wide spot. We also offer, however, optional floodlight versions with 40 degree optics to produce a wider beam spread and more light over a larger area nearer the fixture, making flood versions ideal for use as work and area lights.

The PML-7LED-3C Permanent Mount Control Light is IP68 rated and waterproof to 3 meters, sealed against intrusion by dust and dirt and ruggedly constructed to withstand demanding environments, conditions and applications. The 4 inch square mounting base has 4 corner bolt holes to keep the spotlight secured to the mounting surface under extreme vibration and off-road conditions and includes a solid polypropylene handle for easy adjustability of light angles..

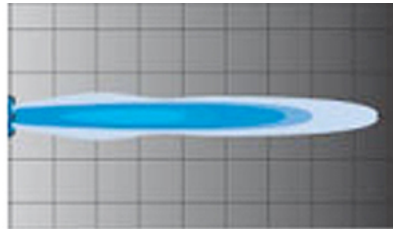
Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating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

Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These light bars can operate on current ranging from 9 to 48VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and standalone applications such as those found on commercial boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

**PML-7LED-3C 40° Flood Beam
(Opt)**



**PML-7LED-3C 10° Spot Beam
(Std)**



Durability: The PML-7LED-3C LED control light from Magnalight offers IP68 rated construction that is designed to withstand the rigors of demanding of environmental and operating conditions. These units can operate in temperatures of -40 degrees Celsius to 80 degrees Celsius, are waterproof to 3 meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The Edixeon® LEDs offer inherent LED resistance to shocks and vibrations contributing to these units 15.6Grms rating of vibration tolerance.

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.

Note: Most Magnalight LEDLB, LEDP3W, LEDP10W, and LED10W series LED spotlights and floodlights are terminated with a Deutsch IPD / LADD DT04-2P connector. The mating connector plug is DT06-2S. Most LEDLB and LED10W series lights ship with mating connector as part of a harness or pigtail, depending on the model. Some larger LED lights like the LEDLB-160X2 or LEDLB-200X2 or multiple function LED lights (i.e. high/low beam, modulating, IR/Visible combos) will have different Deutsch connectors.

Specifications / Additional Information**PML-7LED-3C****LEDs:** 7-Cree 3 Watt LED Emitters**Dimensions:** 4.49"-L 4.49"-H 3"-D**Watts:** 21**Voltage:** 9-48 VDC**Weight:** 2.65 Lbs**Lighting Configuration:** 10° Spot or 40° Flood**Mounting:** 4" Inch Square Mounting Plate**Wiring:** Deutsch IPD / LADD DT04-2P connector**Amps:** 1.7 (on 12 volts)**Lumens:** 1596**LED Light Color:** 6000K**LED Life Expectancy:** 50,000 hours**Optics Efficiency:** 90%**Materials:** Aluminum Housing, Polycarbonate Lens**Housing Colors:** Black or White**PML-7LED-3C Features**

Cree 3 Watt LED Emitters

LEDs Driven At 80%

-40 C~ +80C Operating Temp Range

RoHS Compliant

70% Lumen Retention @65,000 hours

Permanent Mount, Adjustable Hinge

IP68 Rated Waterproof to 3 meters

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@magnalight.com**CE Certified**

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics' Magnalight at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics Magnalight will provide a return label via email to the customer. When the failed light is returned, Magnalight will ship a new replacement.

[Scroll Down to Purchase-](#)[Part #: PML-7LED-3C \(48699\)](#)

