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PML-70-DP-120

Permanent Mount 70 Watt HID Spotlight w/ Adjustable Handle - Pivots and Rotates - 120 VAC

Product ID: 48684

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-70-DP-120 HID Spotlight

Lamp Type: Xenon D2 lamp
Watts: 70
Voltage: 120VAC - 12VDC@5.9amps
Lighting Configuration: Spot or Flood
Mounting: Flat Surface - Adjustable Tensioners
Wiring: Deutsch Connector on Light, Straight Plug on Converter
Amps: 5.9 (on 12 volts) Lamp Only
Light Color: 6500K
Lumens: 6300 +/- 400 lumens
Ballast : 70 Watt, Instant on, 3 Seconds to Full Power
Vibration tolerance: 12G RMS
HID Lamp Life Expectancy: 3,500 hours
Materials: High Impact Nylon, Steel, Polycarbonate, Borosilicate lens

Ratings/Features

IP67 Waterproof
12G RMS Vibration Tolerance
4800` - 6500K Light Beam
AC or DC Power Options

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics PML-70-DP-120 70 Watt HID Spotlight produces 6,300 lumens of

intense bright light and offers the versatility of both 120VAC and 12VDC operation from a compact spotlight profile. This permanent mount HID spotlight is equipped with a rugged polycarbonate control handle and tension hinges that allow the unit to be easily adjusted and set into position and produces a powerful light beam reaching over 4800 feet in length.

This 70 watt HID spotlight contains a single Xenon D2 lamp powered by an internally contained 70 watt HID ballast with instant on capability and reaches full power light output within 3 seconds. Producing 6,300 lumens of bright white light while drawing only 5.9 amps, the light beam from this unit in spot configuration exceeds 4,800 feet in length while an optional flood configuration covers an area approximately 400 feet wide by 350 feet long. The housing on this spotlight is constructed of high impact nylon for light weight and durability while the handle assembly is constructed of powder coated steel and solid polycarbonate.

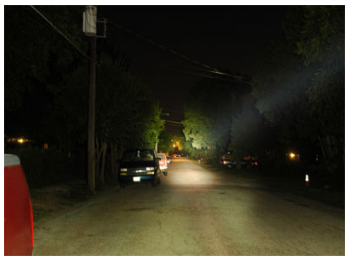
The 4 inch square mounting base has 4 corner bolt holes to keep the spotlight secured to the mounting surface under extreme vibration and off-road conditions. Tension hinges incorporated into the mounting assembly allow the light to hold its position once adjusted without the need to set or lock any hardware before releasing the adjusting handle. The operator simply adjusts the unit to the desired position and releases it to set the unit into position.

This unit includes our DCP-11-DP transformer that converts common 120VAC current into 12VDC current, allowing operation of this spotlight from vehicles with 120 AC power sources, indoors or outdoors and anywhere 12 volt DC power is not readily available. The transformer can be easily disconnected and the light connected directly to 12 volt DC power sources as well, adding further versatility and convenience to this spotlight's already versatile design.



This image shows a dark street with no illumination but the distant street lights

Click Photo to Enlarge



PML-70-DP-120 being used to fill the entire street in length and width. Street terminates at 4200` however, the HID reaches that distance easily.

Click Photo to Enlarge

Durability: The housing on the PML-70-DP-120 is constructed of high impact nylon to provide resistance to impacts, shocks and vibration. Rubber isolators connect the housing to the adjustable steel tensioner hinges to further provide protection from vibration and give this unit a 12G RMS vibration resistance rating. The mounting assembly is constructed of steel and the adjusting handle is constructed of powder coated steel with a solid polycarbonate handle. The High Intensity Discharge Lamp has no filament and is highly resistant to damage from vibrations and shocks. The lamp is protected by a Borosilicate hardened glass lens. This spotlight is gasketed and sealed and IP67 rated, making it weatherproof and waterproof and resistant to the ingress of water, dust and other contaminants.

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.

Power: This light can be operated on either common 120 volt ac power or 12 volt DC current and includes a 25` SOOW Cord to allow the operator to mount the light itself at a different location than the transformer. The transformer included with this unit can operate with voltages within the 90-295VAC range, giving it

near universal AC power capability. The inline power transformer has a normal straight plug for connecting to common household type outlets and is connected to the light with a 2 pin Deutsch connector. The light can be disconnected from the transformer and connected directly to a 12VDC power simply by unplugging it from the Deutsch connector and connecting the unit to the 12 volt power supply. **Note:** You will need a matching Deutsch connector from the 12 volt power source to connect this unit without the transformer.

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Frequently Asked Questions (FAQ)

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PML-70-DP-120

Product ID: 48684

Harmonized System (HS) Code: 9405.10.8020
Export Control Classification Number (ECCN): EAR99

Options:

PML-70-DP-120-Beam Pattern

Example: PML-70-DP-120-S

Beam Pattern	
SPOT	-S
FLOOD	-F

Links (Click on the below items to view):

- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**