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LEDPLL-150W-DNS-7P

150W Weatherproof Light Pole Light w/ 0-10V Dimming - General Area LED Light – IP65 Rated Street Light - 7-Pin Photocell

Product ID: 280525

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.

LEDPLL-150W-DNS-7P - General Area LED Light w/ 0-10V Dimming

Lamp Type: LED General Area Light
Dimensions: 27.16" x 14.96" x 6.10" (*Please note that dimensions approximate and subject to change*)
Weight: 13.16 lb (*Please note that weight is approximate and subject to change*)
Input Voltage: 120-277 V AC, 50/60 Hz
Total Watts: 150 Watts
Light Output: 19,500 Lumens (3000K)
Light Efficacy: 130 Lm/W (3000K)
Color Temp: 3000K (19,500 Lumens / 130 Lm/W), 3500K (20,250 Lumens / 135 Lm/W), 4000K (21,000 Lumens / 140 Lm/W), 4500K (21,000 Lumens / 140 Lm/W), 5000K (21,000 Lumens / 140 Lm/W), 5700K (20,250 Lumens / 135 Lm/W)
Color Rendering Index: 770
Beam Options: 10°, 30°, 60°, 110°, Down Light, Type II M, Type III M, Type IV M, Type V S, Tunnel, Wide Flood
Expected Lifespan: 100,000+ Hours
Operating Temp Range: -40°C ~ +50°C
Housing Material: Die-cast Aluminum w/ Polyester Powder Coat Paint
Mount Options: Square Pole, Round Pole, Tenon Pole Top, Trunnion

Quick Summary

Weatherproof

IP65 Rated

ETL Listed for Wet Locations
ROHS Compliant
IESNA LM-79 and LM-80 Standards

Special Orders - Special Requirements

Contact us for special requirements

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The LEDPLL-150W-DNS-7P from Larson Electronics is a General Area LED Light w/ 0-10V Dimming that is a robust and versatile fixture suitable for a wide range of commercial spaces, including parking lots, roadways,

outdoor venues, and permanent work sites. The 150-watt unit operates on 120-277 V AC with an operating lifespan of over 100,000+ hours. For superior durability, the fixture features a die-cast aluminum housing finished in polyester powder coat paint. Buyers may choose from several mounting options and beam configurations (see below forselection).

Features: The LEDPLL-150W-DNS-7P is designed to meet the standards of today`s commercial businesses and projects. LED drivers and electrical components found in this luminary are hard mounted to the die-cast housing for optimal heat sinking and operating efficiency. It is compatible with the following input voltages: 120-277 V AC. This 150-watt unit emits light at 19,500 lumens (for 3000K color temperature) with a 130 lumens-per-watt ratio and a CRI rating above 70.

With a lifespan of over 100,000+ hours, the LEDPLL-150W-DNS-7P features an active heat dissipating system that offers even heat distribution and lower temperature rise. The aluminum fins design also helps to disperse heat and promote a long, reliable LED life. This light comes with the following beam configuration options: 10°, 30°, 60°, 110°, Down Light, Type II M, Type III M, Type IV M, Type V S, Tunnel or Wide Flood. When it comes to mounting, Square Pole, Round Pole or Pole Top options are available. The cast aluminum arm includes bolt guides, allowing for easy positioning of the fixture during installation to pole. Standard single carton packaging of housing, square pole arm and round pole adapter provide contractor-friendly installation.

During operation, the outdoor fixture is suitable for ambient environments, ranging between -40°C ~ +50°C. The LEDPLL-150W-DNS-7P is constructed from one-piece, die-cast aluminum housing with high quality outdoor powder coating finish and shock-resistant lenses. This weatherproof fixture`s black housing is sealed from moisture and harmful environmental contaminants, making it extremely resilient against rain, fade and wear. The luminary is ETL listed for wet locations, IP65 rated and ROHS compliant. Inside the fixture, the LEDs comply with IESNA LM-79 and LM-80 standards.

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.

This LED light fixture features 0-10V dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the brightness needs of any lighting situation. A 0-10V dimmable light works through the use of a DC control signal that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications.

7-Pin Photocell: The LEDPLL-150W-DNS-7P general area LED light is equipped with a 7-pin photocell. An upgrade over older 3-pin photocells, a 7-pin photocell allows the connected fixture to be controlled without running wires to a dimming switch and other controllers. Users can control an entire network of lights via an app when 7-pin photocells are used. Standard 3-pin photocells can be still be used in a 7-pin receptacle if desired and easily switched out for more advanced

controllers down the line. The LEDPLL-150W-DNS-7P can automatically dim depending on ambient light levels.

Mounting: When it comes to mounting, square pole, round pole, pole top, and trunniong mounting options are available. The round pole mount works for 3-5" OD round poles, and is installed directly to the side of the pole via a U bolt mounting system. The square pole mount works for 3" x 3" thru 5" x 5" square poles, and mounts to the side of square poles via a U bolt mounting system. This square pole mount can also be used as a flat surface mount / wall mount bracket for interior or exterior walls. The pole top / tennion mount is adjustable for the angle, and can be cinched onto 1.5-2" OD poles (nominal OD up to 2-3/8"). The trunnion / U-bracket mount provides the most flexability in terms of adjustment, allowing operators to rotate the mounting bracket to reach the desired orientation, then adjust the light fixture within the trunnion to reach the desired angle for the light distribution. This mount commonly is mounted to walls, flat surfaces, mast heads, and square tube poles. The cast aluminum arm includes bolt guides, allowing for easy positioning of the fixture during installation to pole. Standard single carton packaging of housing, and the mounts provide contractor-friendly installation.

Applications: Parking lots, roadways, street lighting, car dealerships, stadium, tunnel lighting, outdoor sports areas, campuses, parks, advertising light, commercial spaces, permanent work sites, concert venues and other applications that require brilliant illumination for extended periods of time.

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.

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Frequently Asked Questions (FAQ)



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LEDPLL-150W-DNS-7P
Product ID: 280525

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
LEDPLL-150W-DNS-7P-Mount-Beam Config-Color Temp
Example: LEDPLL-150W-DNS-7P-SQP-10DB-30K

Mount	
SQUARE POLE	-SQP
ROUND POLE	-RDP
POLE TOP TENON	-PT
TRUNNION	-TRN

Beam Config	
10°	-10DB
30°	-30DB
60°	-60DB
110°	-110DB
DOWN LIGHT	-DL
TYPE II M	-T2M
TYPE III M	-T3M
TYPE IV M	-T4M
TYPE V S	-T5S
TUNNEL	-TNL
WIDE FLOOD	-WF

Color Temp	
3000K	-30K
3500K	-35K
4000K	-40K
4500K	-45K
5000K	-50K
5700K	-57K

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**