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LEDPLL-100W-MODZ1

100W Weatherproof Light Pole Light - General Area LED Light – 17,000 Lumens - IP65 Street Light

Product ID: 223557

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.

The LEDPLL-100W-MODZ1 Larson Electronics General Area LED Light is a robust, versatile fixture suitable for a wide range of commercial spaces, including parking lots, roadways, outdoor venues and permanent work sites. The 100-watt unit operates on 120-277VAC with an operating lifespan of over 70,000+ hours and is dimmable via a 7-pin receptacle. 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 for selection).
Features: The LEDPLL-100W-MODZ1 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: 120-277V AC. This 100-watt unit emits light at 17,000 lumens with a 170 lumens-per-watt ratio and a CRI rating above 80.



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With a lifespan of over 70,000+ hours, the General Area LED Light 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 -25°C ~ +60°C. The LEDPLL-100W-MODZ1 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.



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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.

100 Watts - General Area LED Light – IP65 Rated, Weatherproof

Lamp Type: LED General Area Light
Dimensions: 18.15” x 17.99” x 3.07”
Input Voltage: 120-277VAC
Voltage Frequency: 50/60 Hz
Total Watts: 100 Watts
Light Output: 17,000 Lumens
Light Efficacy: 170 lm/W
Light Flicker: Less Than 5%
Total Harmonic Distortion: Less Than 15%
Power Factor: >0.95 PF
Dimmable: Yes, 0-10V via 7-pin receptacle
Ambient Operating Temp: -40°C to +60°C
Relative Humidity: 90%
Color Temp: 3000K, 4000K, 5000K, 5700K
Color Rendering Index: 80
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: 70,000+ Hours
Operating Temp Range: -25°C ~ +60°C
Housing Material: Die-cast Aluminum w/ Polyester Powder Coat Paint
Lens Material: PMMA
Mount Options: Square Pole, Round Pole, Pole Top

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Quick Summary

Weatherproof
IP65 Rated
ETL Listed for Wet Locations
Internal surge protection
ROHS Compliant
IESNA LM-79 and LM-80 Standards
Constant Current LED Driver
Whitelabel Logo (Customer Provided)
IK10
o-10V Dimmable
7-Pin ANSI C136 Socket

Special Orders- Requirements

Contact us for special requirements

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Frequently Asked Questions (FAQ)






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LEDPLL-100W-MODZ1
Product ID: 223557

Warranty: 36 Months

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

Options:
LEDPLL-100W-MODZ1-Mount-Beam Config-Color Temp
Example: LEDPLL-100W-MODZ1-SQP-10DB-30K

Mount	
SQUARE POLE	-SQP
ROUND POLE	-RDP
POLE TOP	-PT

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
4000K	-40K
5000K	-50K
5700K	-57K

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
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- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map