Larson Electronics LLC
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EPL-PM-100LED-220X24I-50

100W Portable Explosion Proof LED Work Light - 14000 Lumens - 220V AC Stepped Down to Low Voltage

Product ID: 224065



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.

EPL-PM-100LED-220X24I-50Explosion Proof LED Light

Listing: United States - Canada
Lamp Type: Cree LED
Dimensions: 14"H x 16"W 5"D - Light Head
Weight: 40 lbs
Voltage: 200-250V AC, stepped down to 24V DC
Total Watts: 100W
Total Lumens: 14,000
Luminous Efficacy: 140 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Beam Angle: 60° 0r 125°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Ambient Operating Temp Range: -40°C to +65°C
Operating Temp Rating: T5
Materials: Non-sparking Aluminum Frame, Copper Free Aluminum Light Head
Housing Finish: Epoxy Powder Coated - Grey
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Triangular Shaped A-frame Aluminum Base Stand
Wiring: 50` 16/3 SOOW w/ Encapsulated Inline Stepdown Transformer and General Area Cord Cap

Ratings/Approvals

Listed for United States and Canada
Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
Certified to UL 844 Ed. 13
Certified to UL 1598
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 250.0
Certified to C22.2 No. 30-M-1986 Rev 2012
T5 Temperature Rating
Paint Spray Booth Approved
IP67 Rated Waterproof
LEL Approved
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
Recommended 15` to 40` Mounting Height
IEC 60529 Tested
Inline Transformer Steps Down AC Voltage to 24V DC

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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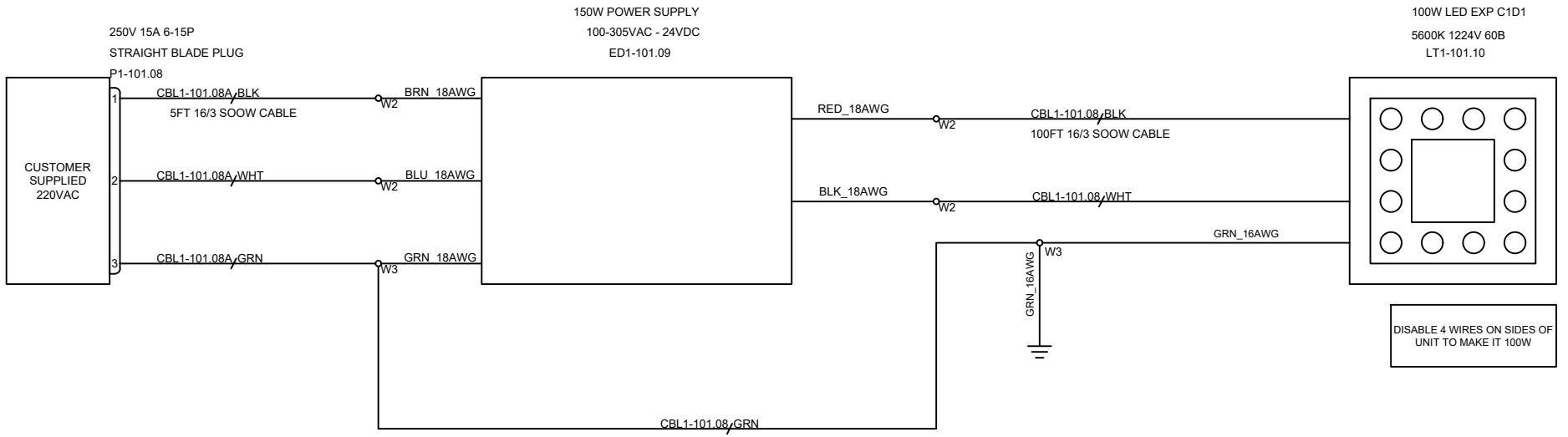
E-mail: sales@larsonelectronics.com

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	4/8/2024

EPL-PM-100LED-220X24I-50-6.15-60B

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
P1-101.08	1	UNV00011424	PLUG, STRAIGHT PLUG 6.15P 250VAC 15 A
LT1-101.10	1	UNV00007998	LV 150W LED EXP PROOF LIGHT 5600K
ED1-101.09	1	UNV00005978	90-305VAC -24V DC 150W POWER SUPPLY
W2	4	UNV00009802	2 HOLE WAGO
W3	2	UNV00011954	3 HOLE WAGO
CBL1-101.08 CBL1-101.08A	2	UNV00007524	CORD 16/3 SOOW UL 90C BLK CABLE

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KEMP, TX 75143

TITLE		
EPL-PM-100LED-220X24I-50-6.15-60B		
DRAWN BY: S.Desai	DATE: 4/8/2024	REV: A
CHECKED BY:	SHEET #: 1 OF 1	DRAWING #: 101









Frequently Asked Questions (FAQ)