

EPL-SL-10

Explosion Proof String Lights - 10 Drop Lights - Class 1/II, Division 1

Product ID: 1665



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-SL-10

Listing: United States

Dimensions- Each Lamp: L-16.5" Diam-5"

Total Watts: 1000, 750, or 260 Depending on Lamps

Single Lamp Watt: 26, 75 or 100 watts

Voltage: Std-120VAC-60Hz, 220VAC-50Hz, or 240VAC-60Hz

Amps: 8.34 (100W), 6.25 (75W), or 2.17 (26W) @ 120V AC

Mounting: Handheld / Hanging via Aluminum Hooks

Wiring: 115' 14/3 SOOW Cable - 10' between lamps - 25' input whip

Total Length: 115'

Cord Cap: 5-15 or 6-20 Explosion Proof Plug

Single Lamp Weight: 5lbs

Total Weight: 90lbs

U.L. Ratings

Class 1, Division 1, Groups C, D (100W)

Class 1, Division 2, Groups C, D (100W)

Class 2, Division 1, Groups, F, G (75W)

Class 2, Division 1, Groups, F, G (75W)

Class 1, Zone 1, Group IIB

NEMA 4X

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-SL-10 Explosion Proof String Light set is UL Listed Class 1 Division 1 Groups C and D - and is ideal for general close work and inspection activities in hazardous locations requiring explosion proof protection.

[Click here to see the LED version of this light](#)

This explosion proof string light set from Larson Electronics contains a total of ten, 26 watt, 75 watt or 100 watt work lights depending upon configuration, equipped with aluminum hooks and connected in series along 90 feet of 14/3 SOOW explosion proof cord. A molded T junction is mounted every ten feet, with 3 feet of 16/3 SOOW cord connecting a single drop light to the backbone. The cord on this unit is terminated with a Class 1, Division 1 explosion proof plug for complete

protection. With this arrangement, each drop light cannot spark if pulled apart or dragged. An 25 foot tail section of main SOOW cord is included to allow ample length for connection to power sources.



100 Watt Incandescent Bulb

[Click Photos to Enlarge](#)



Molded T Connector w/ Hook Ring

[Click Photos to Enlarge](#)



25' whip w/ EXP Plug

[Click Photos to Enlarge](#)

This unit incorporates ten explosion proof hand lamps connected in series and is suitable for use in areas where petrochemical vapors and various dusts are present. The machined aluminum housings, cast aluminum guard, tempered glass lamp globe, and abrasion resistant cord make this a very durable unit that will resist damage from chemicals, abrasion, vibrations and impacts. This string lighting solution will provide the lighting you require in a flexible, easy to manage configuration. The hand lamps can be moved around and hooked to different points on your scaffold. The lights, however must remain within 10 feet of one other. Each molded T section contains a hook eyelet, allowing operators to suspend the entire backbone off the ground and out of the work space.

[Click Photos to Enlarge](#)



5-15 Straight Blade Plug



6-20 Straight Blade Plug

This stringer light set is Class 1, Division 1 rated for Groups C and D with the 100 watt bulb option and Class II, Division 1 Groups F and G with a 60 Watt bulb maximum for compliance to the Class 2 rating. This unit qualifies for both Class 1 Division 1 and Class 2 Division 1 with the optional 26 Watt Compact Fluorescent bulb. Choose your lamp wattage and type below when ordering. This unit can also be ordered in 120VAC, 220VAC or 240VAC configuration for operation with these voltages. A 25' input whip terminated in an explosion proof cord cap completes the explosion proof protection of this string light. Cord cap options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets.

Stringer Energy Consumption Comparison

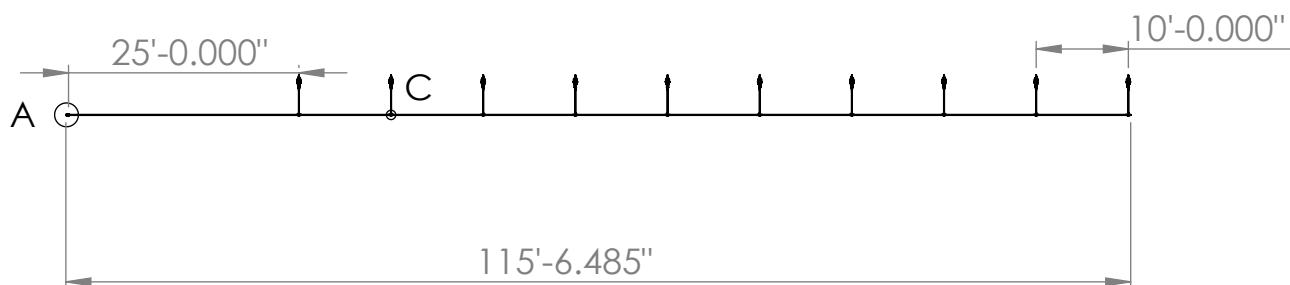
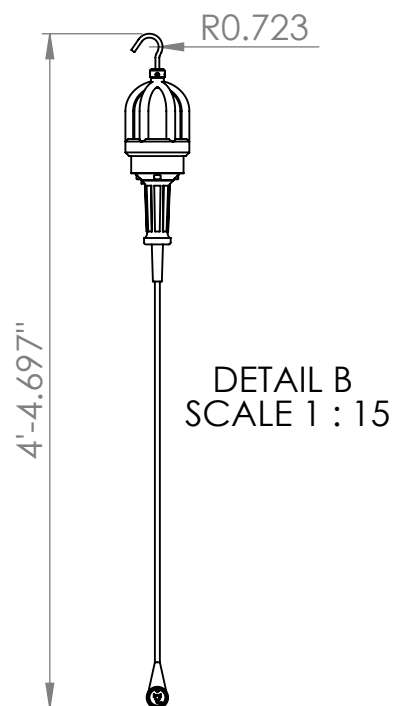
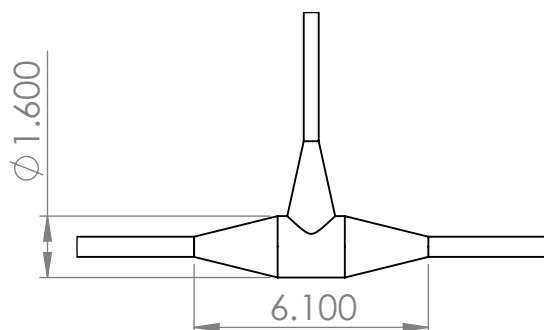
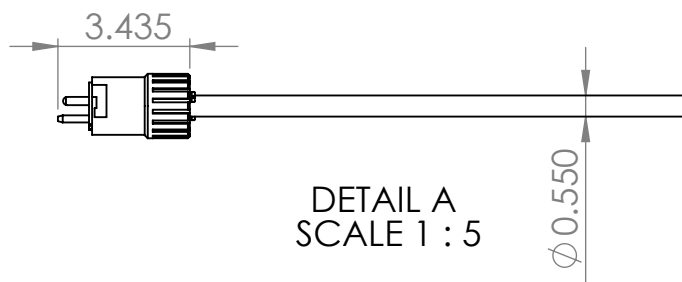
	<u>Incandescent</u>	<u>CFL</u>	<u>LED</u>
Wattage	1000 watts	260 watts	100 watts
Amp Draw @ 120V AC	8.34 amps	2.17 amps	0.84 amps
Amp Draw @ 277V AC	3.61 amps	0.94 amps	0.36 amps
Amp Draw @ 12V DC	83.34 amps	21.67 amps	8.34 amps
Amp Draw @ 24V DC	41.67 amps	10.84 amps	4.17 amps
Lamp Life Expectancy	1,500 hours	8,000 hours	50,000 hours
Color Temperature	2800K	4300K	6000K
Operation cost per year (8hs/day @ 11c/kWh)	\$321.2	\$83.52	\$32.12

Made in USA Quality

1. Chemical and abrasive resistant cord
2. Explosion Proof.
3. Total of 10- 100 watt, 75 watt or 26 Watt Lamps.
4. Non-sparking aluminum construction.
5. UL Class 1 Div 1 Class 2 Div1
6. Red and gray paint finish
7. 120VAC Operation
8. SOOW cable.
9. Aluminum Hooks for Convenient Placement.

Lamp Features

- Up to 1000 watts of illumination
- Non-sparking aluminum housings
- Light weight mold T Junctions
- Cast aluminum guard prevent lamp or globe damage
- Tempered Soda-Lime Glass Lamp Globe
- Integrated lamp shock absorbers prevent drop damage
- Swivel hook for hanging and hands free operation
- 14/3 SOOW Abrasion Resistant Cable



DETAIL C
SCALE 1 : 5

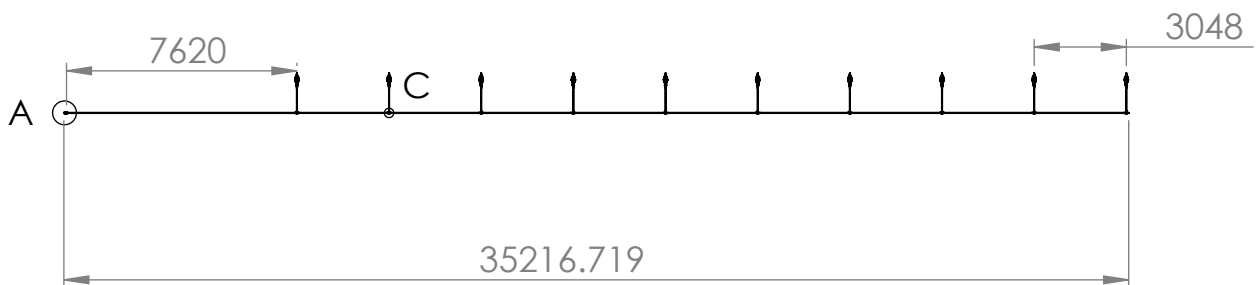
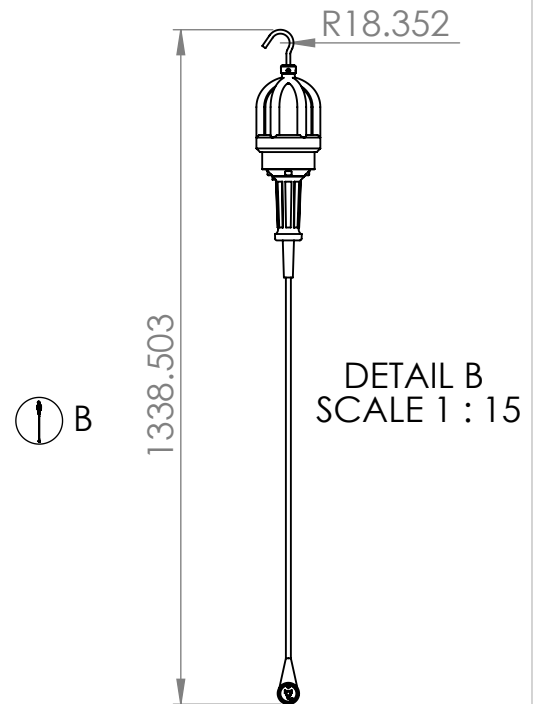
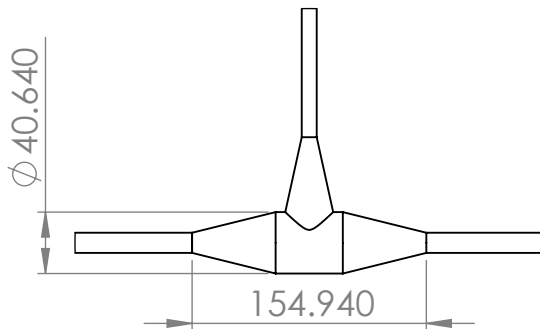
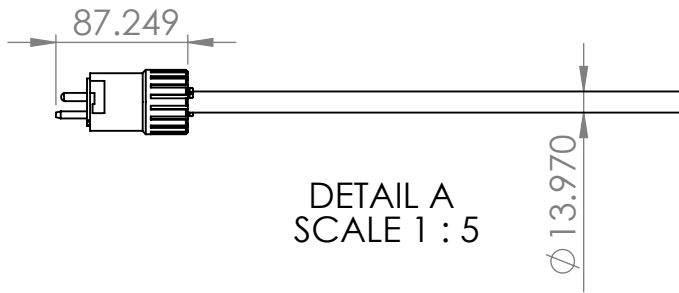


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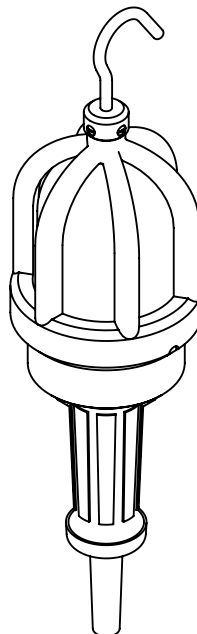
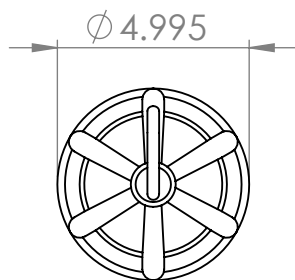
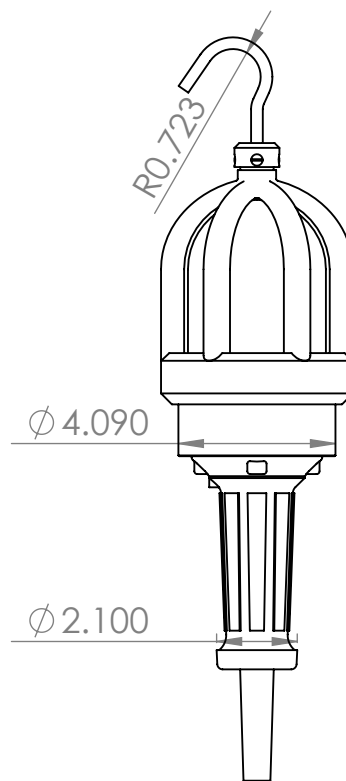
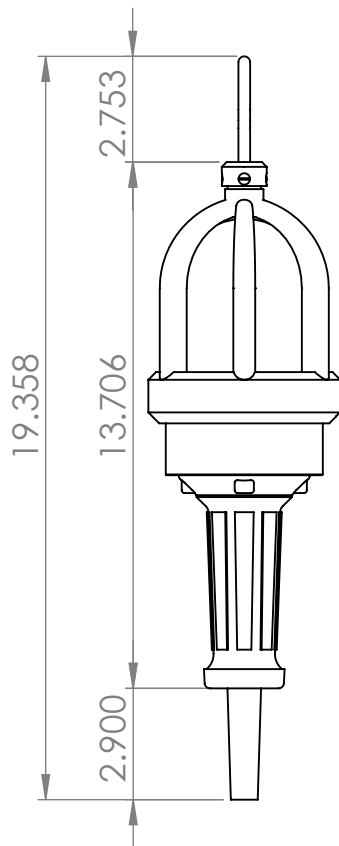
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DETAIL C
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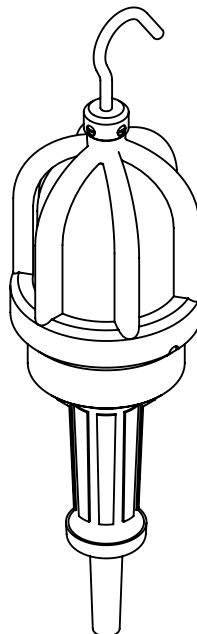
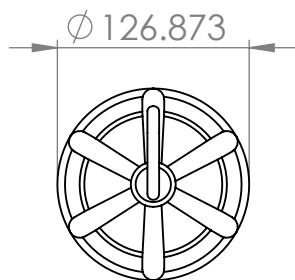
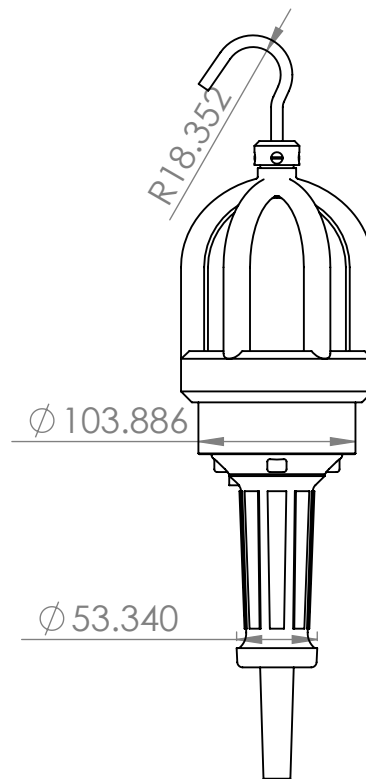
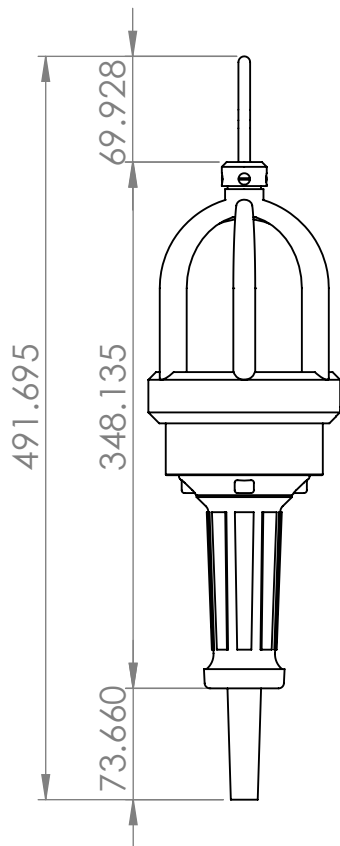


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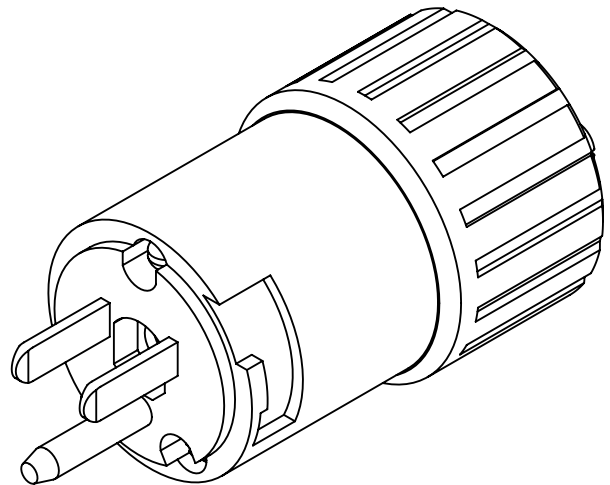
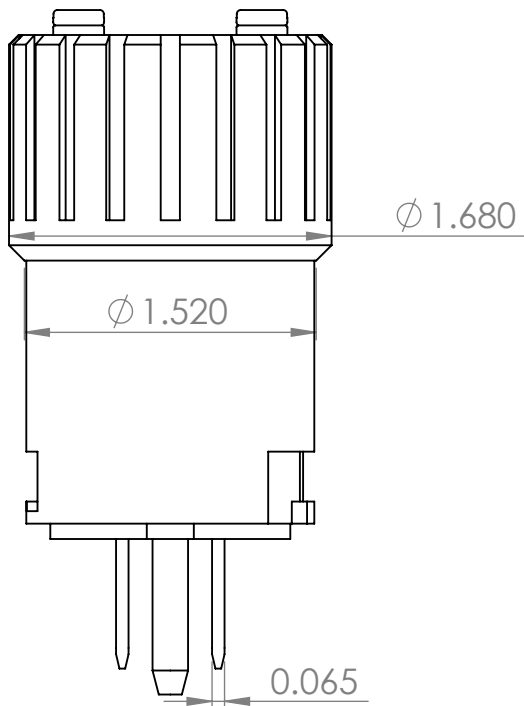
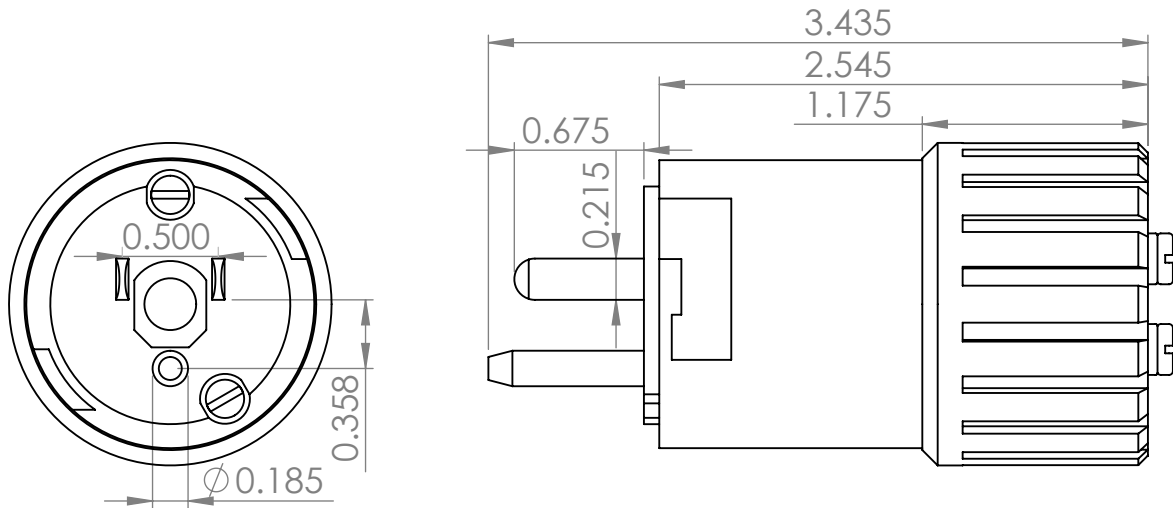


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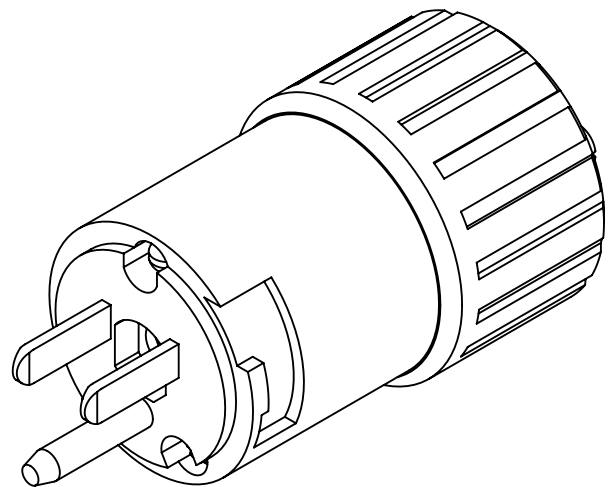
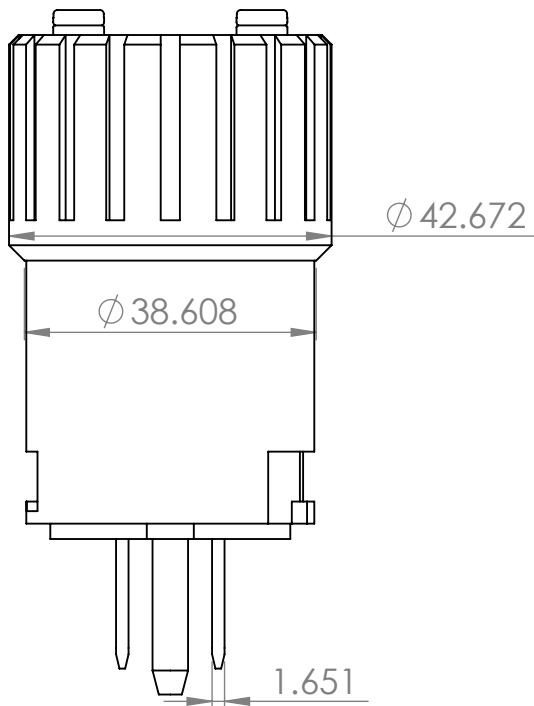
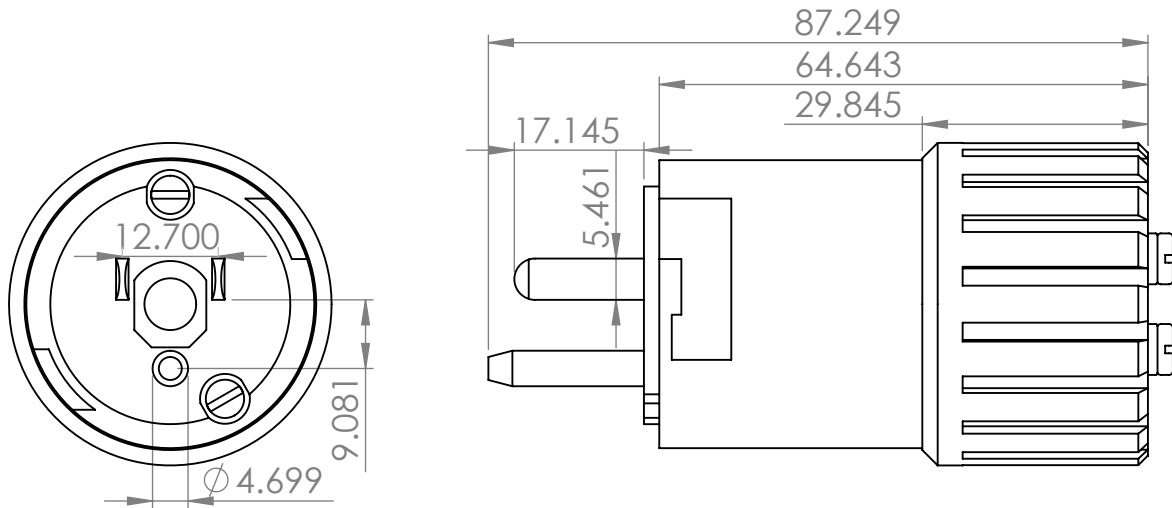
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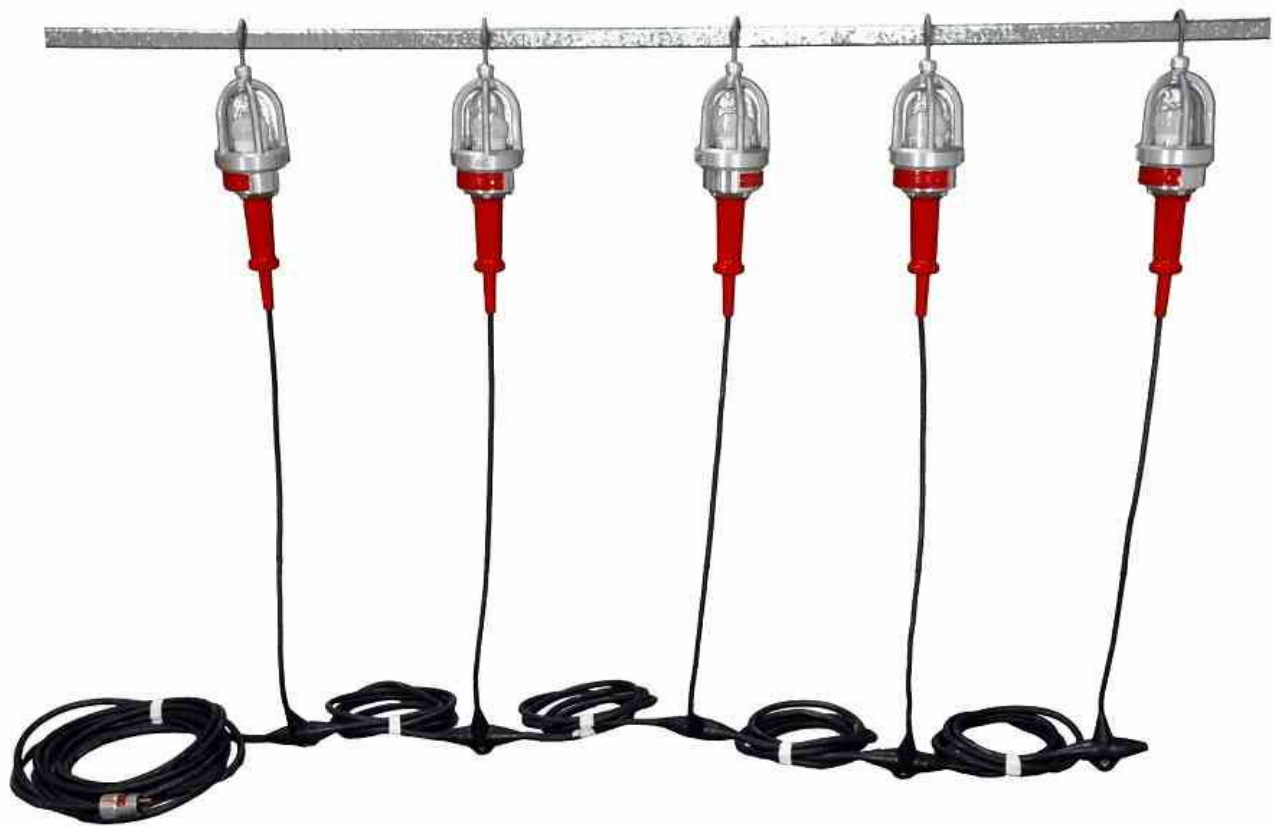


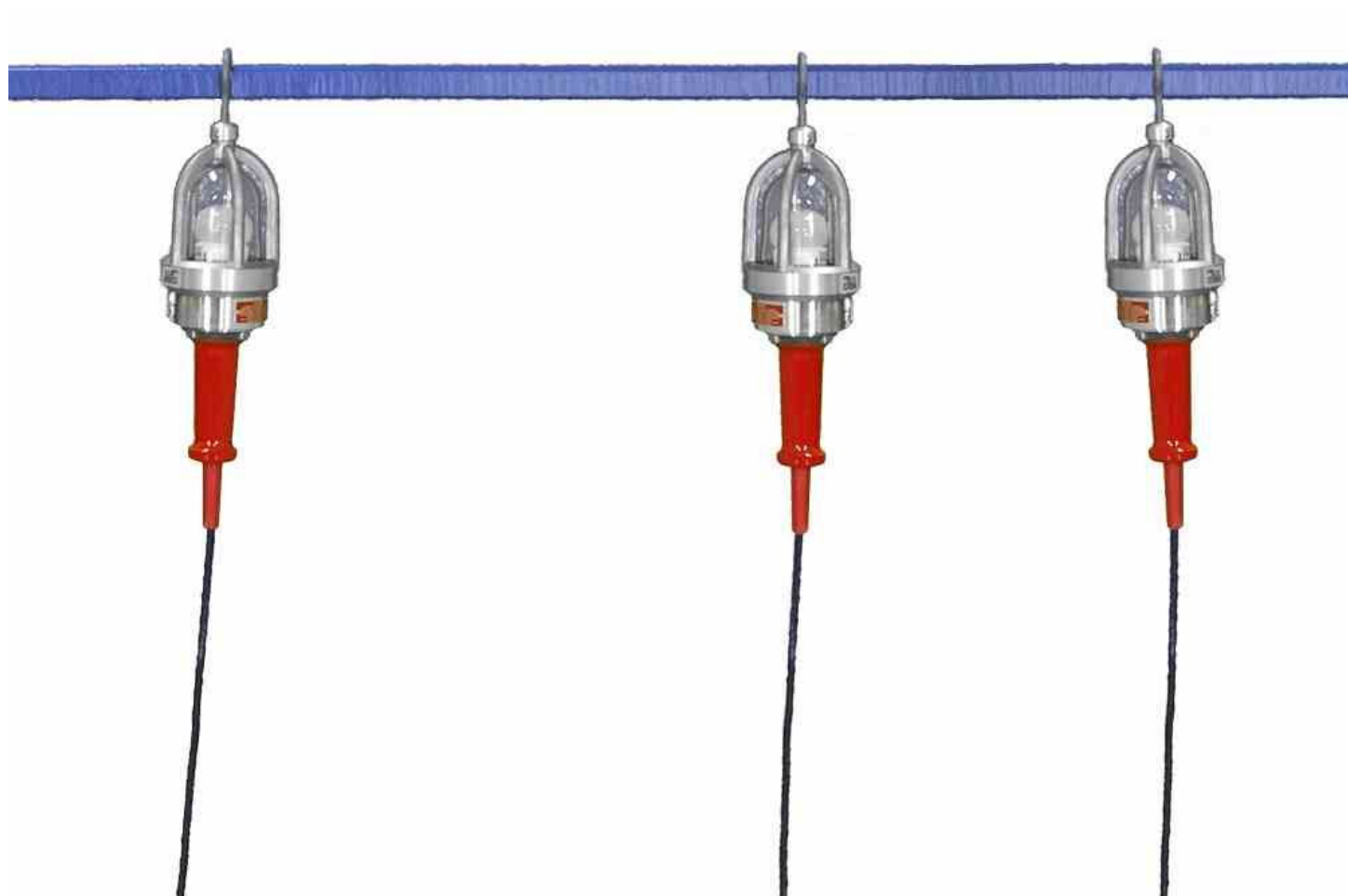
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Frequently Asked Questions (FAQ)