

EPL-RPS-140A-APM-150LED-RT-M2

**150W Portable Battery Powered Pole Mounted LED Light - 17500 Lumens - Rechargeable 140ah
Battery - Locking Front Swivel Casters**

Product ID: 278397



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-RPS-140A-APM-150LED-RT-M2 Explosion Proof LED Tower

Listing: United States & Canada

Lamp Type: LED

Dimensions: 14"-W x 16"-H x 5"-D - Light Head - 5' to 12' Extendable Tower w/ Wheels

Weight: 300 lb

Voltage: 120-277 V AC, 50/60 Hz

Total Watts: 150 Watts

Total Lumens: 17,500

Luminous Efficiency: 116.67 Lm/W

Lamp Life: 60,000+ Hours

Color Temp: 5000K, 4000K, or 3000K

Color Rendering Index: >75 CRI

Beam Angle: 60° or 125°

Lighting Configuration: Flood Pattern

Power Efficiency: >95%

Power Factor: 0.992

Amperage: 1.25 A @ 120 V, 0.63 A @ 240 V, 0.54 A @ 277 V

Ambient Operating Temp Range: -50°C to +65°C

Operating Temp Rating: T5

Lamp Housing Material: Copper Free Cast Aluminum

Tower Material: Anodized Aluminum Tubing

Line In: 120 V AC

Line Out: (1) 2023 C1D1 12 V or 24 V DC Twist Lock Receptacle

Battery: 140ah Sealed Lead Acid

Cord Cap Options: 5-15P (120 V), 5-20P (120 V), or 6-20P(240 V)

Lens Material: Hardened Borosilicate Glass

Gasket Material: Silicone

Mounting: Telescoping Anodized Aluminum Tower w/ Portable Dolly Cart - Rear

Ratings/Approvals

**NRTL 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

NRTL Certified to UL 844 Ed. 13

NRTL Certified to UL 1598

NRTL Certified to C22.2 No. 137 Rev 2009

NRTL Certified to C22.2 No. 250.0

T5 Temperature Rating

Paint Spray Booth Approved

IEC 60529 Tested

IP67 Rated Waterproof

LEL Approved

Multiple Driver Banks

80% Lumen Retention after 60,000 Hours

Factory Sealed Light Fixture

50 Foot SOOW Cable

Adjustable Tower 5 - 12 Feet

Direct Replacement for 400W MH Towers

Class I Division 1 Explosion Proof

(1) 2023 Class I Div 1 Twist Lock Receptacle

20 Amp Primary Rating

Special Orders - Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Wheels & Front Mounted Swivel Casters w/ Locking Wheels
Wiring: 50' 16/3 SOOW Cable w/ Explosion Proof Cord Cap

Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Made in the USA

The EPL-RPS-140A-APM-150LED-RT-M2 from Larson Electronics is an Explosion Proof Battery Powered Pole Mounted LED Light Tower that enables operators to power the light via one Class I Divisions 1 and 2 & Class II Division 1 and 2 receptacle. Once the encapsulated 140ah sealed lead acid battery is depleted, operators can plug this unit into an explosion proof 120 volt outlet or standard 120 volt outlet to charge the unit overnight within the hazardous location.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

The EPL-RPS-140A-APM-150LED-RT-M2 explosion proof portable battery powered pole mounted LED light from Larson Electronics is built to provide operators in hazardous locations with a method of superior illumination. This unit includes one explosion proof receptacle rated at 20 amps. This compact battery powered pole mounted LED light is designed for portability and convenience as well as durability and is mounted to a wheeled, non-sparking aluminum frame for added protection. The front wheels on the frame are swivel casters with locking wheels.

The output side is equipped with one 2023, Class I Division 1 receptacle designed to accept twist lock plugs like our EPP-15A and EPP-20A explosion proof plugs. The explosion proof enclosure contains two 70ah AGM batteries and charger/maintainer systems. This explosion proof battery powered LED light with adjustable pole comes standard with a 25 foot, 16/3 SOOW cord terminated with a 120V, 15 amp explosion proof male plug. The EPL-RPS-140A-APM-150LED-RT-M2 is designed to be charged within Class I Division 1 classified areas.

Light Information: The light head on the EPL-RPS-140A-APM-150LED-RT-M2 provides 9,500 square feet of work area coverage with 17,500 lumens of light output. This adjustable LED light tower has a removable LED light head mounted on top of an anodized aluminum tower. The LED light head on this unit produces a wide flood pattern of light that is ideal for illuminating large workspaces and job sites. This light is designed for heavy duty use in demanding conditions including emergency services, mining, construction, marine, and industrial operations where durability and reliability is critical.

The telescoping battery powered LED work light on the EPL-RPS-140A-APM-150LED-RT-M2 is comprised of a removable LED light head mounted atop an anodized aluminum adjustable pole fabricated with 2.5" by 2.5" by 1/8" thick tubing for the first stage, 2" by 2" by 1/8" thick tubing for the second stage and 1" by 1" by 1/8" thick tubing for the third stage. This light tower is anodized and the brackets are powder coated for durability and rust resistance. This adjustable and collapsible tower can be extended to twelve feet in and collapsed to five feet via knurled knobs that are tightened or loosened to allow for height adjustments by the operator. The lamp can independently be adjusted up, down or from side to side and locked into position. The entire unit is mounted on wheels for easy transportation and movement around the work area or job site. The front two wheels on the EPL-RPS-140A-APM-150LED-RT-M2 are swivel casters with locking wheels.

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.

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.

6

5

4

3

2

1

F

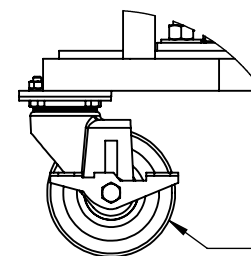
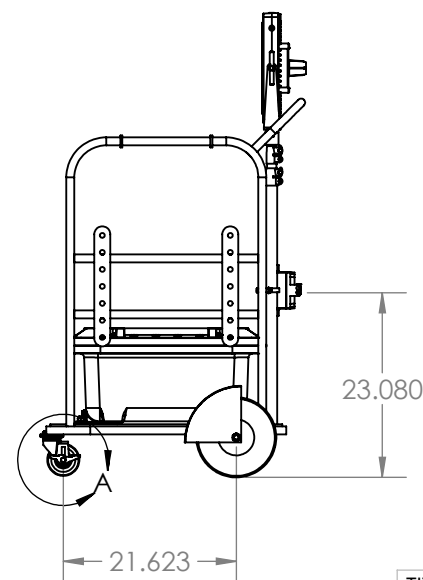
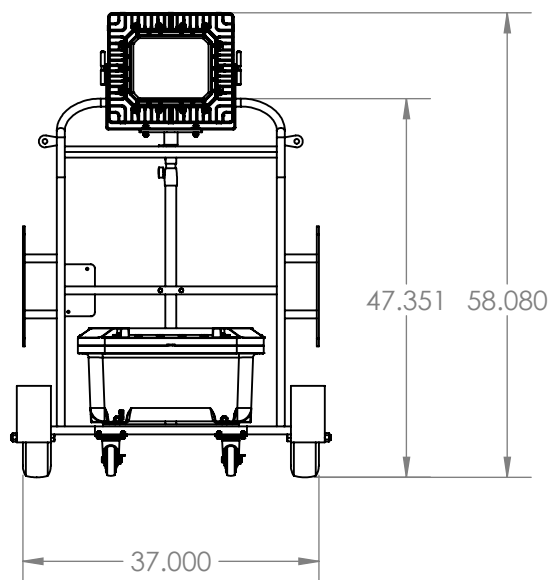
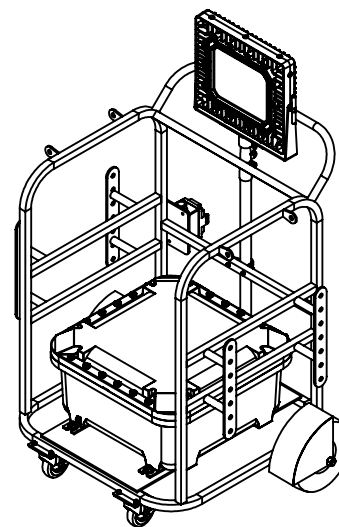
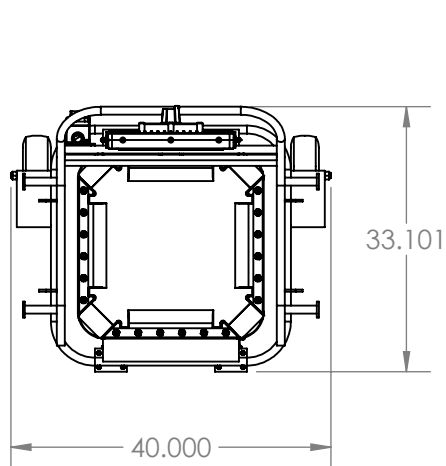
E

D

C

B

A



DETAIL A
SCALE 1 : 6

Swivel Caster w/
Wheel Brake



TITLE:

EPL-RPS-140A-APM-150LED-RT-M2

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.

UNLESS OTHERWISE NOTED:

Angle +/- .5 deg
.X +/- .02
.XX +/- .01
.XXX +/- .005

FINISH

SURFACE AREA [sq. in]

DIMENSIONS ARE IN INCHES

MATERIAL

DO NOT SCALE DRAWING

DRAWN

CHECKED

DATE

NAME

CHRISTOPHER THAUER

N/A

7/27/2021

SIZE
A

DWG. NO.

REV

SCALE: NTS

SHEET 1 OF 2

6

5

4

3

2

1

6

5

4

3

2

1

F

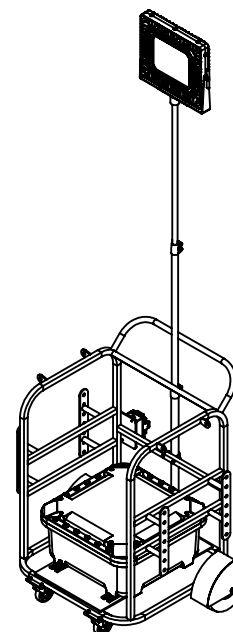
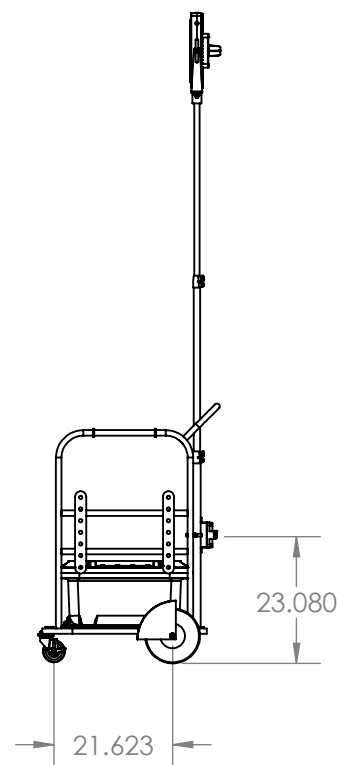
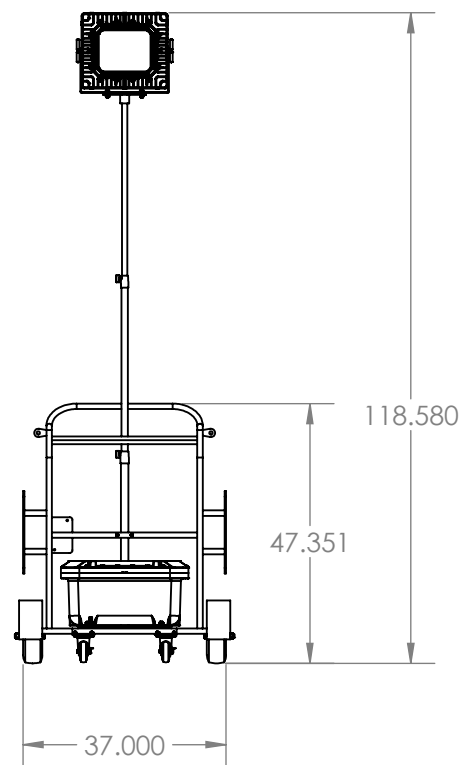
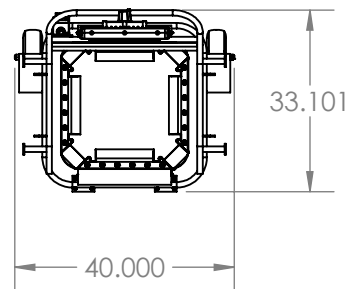
E

D

C

B

A



TITLE:

EPL-RPS-140A-APM-150LED-RT-M2

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.

UNLESS OTHERWISE NOTED:

Angle +/- .5 deg
.X +/- .02
.XX +/- .01
.XXX +/- .005

FINISH

SURFACE AREA [sq. in]

DIMENSIONS ARE IN INCHES

MATERIAL

DO NOT SCALE DRAWING

NAME

DRAWN

CHRISTOPHER THAUER

CHECKED

N/A

DATE

7/27/2021

SIZE
A

DWG. NO.

REV

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

2

1

SECTION 1: PRODUCT NAME

Valve regulated lead-acid batteries.

SECTION 2: HAZARDOUS COMPONENTS

COMPONENTS	%WEIGHT	TLV	LD50 ORAL	LC50 INHALATION	LC50 CONTACT
Lead (Pb, PbO, PbSO) 24	About 70%	N/A	(500) mg/Kg	N/A	N/A
Sulfuric Acid	About 20%	1 mg/m ³	(2.140) mg/Kg	N/A	N/A
Fiberglass Separator	About 5%	N/A	N/A	N/A	N/A
ABS or PP	About 5%	N/A	N/A	N/A	N/A

SECTION 3: PHYSICAL DATA

COMPONENTS	DENSITY	MELTING POINT	SOLLUBILITY (H2O)	ODOR	APPEARANCE
Lead	11.34	327.4°C (Boiling)	None	None	Silver-Grey Metal
Lead Sulfate	6.2	1070°C (Boiling)	40 mg/L(15°C)	None	White Powder
Lead Dioxide	9.4	290°C (Boiling)	None	None	Brown Powder
Sulfuric Acid	About 1.3	About 114°C (Boiling)	100%	Acidic	Clear Colorless Liquid
Fiberglass Sep.	N/A	N/A	Slight	Toxic	White Fibrous Glass
ABS or PP	N/A	N/A	None	No Odor	Solid

SECTION 4: PROTECTION

EXPOSURE	PROTECTION	COMMENTS
SKIN	Rubber gloves, Apron, Safety shoes	Protective equipment must be worn if battery is cracked or otherwise damaged.
RESPIRATORY	Respirator (for lead)	A respirator should be worn during reclamation operations if the TLV is exceeded.
EYES	Safety goggles, Face Shield	

SECTION 5: FLAMMABILITY DATA

COMPONENTS	FLASHPOINT	EXPLOSIVE LIMITS	COMMENTS
Lead	None	None	
Sulfuric Acid	None	None	
Hydrogen	259?	4% - 74.2%	Batteries can emit hydrogen only if over charged (float voltage > 2.4 VPC). The gas enters the air through the vent caps. To avoid the chance of a fire or explosion, keep sparks and other sources of ignition away from the battery. Extinguishing Media: Dry chemical, foam, CO ₂ .
Fiberglass Sep.	N/A	N/A	Toxic vapors may be released. In case of fire: wear self-contained breathing apparatus.
478 Polystyrene	None	N/A	Temperatures over 300 °C (572°F) may release combustible gases. In case of fire: wear positive pressure self-contained breathing apparatus.

SECTION 6: REACTIVITY DATA

COMPONENT	Lead/lead compounds
STABILITY	Stable
INCOMPATIBILITY	Potassium, carbides, sulfides, peroxides, phosphorus, sulfurs.
DECOMPOSITION PRODUCTS	Oxides of lead and sulfur.
CONDITIONS TO AVOID	High temperature, Sparks and other sources of ignition
COMPONENT	Sulfuric Acid
STABILITY	Stable at all temperatures
POLYMERIZATION	Will not polymerize
INCOMPATIBILITY	Reactive metals, strong bases, most organic compounds
DECOMPOSITION PRODUCTS	Sulfuric dioxide, trioxide, hydrogen sulfide, hydrogen
CONDITIONS TO AVOID	Prohibit smoking, sparks, etc. from battery charging area. Avoid mixing acid with other chemicals.

SECTION 7: CONTROL MEASURES

1. Store lead-acid batteries with adequate ventilation. Room ventilation is required for batteries utilized for standby power generation. Never recharge batteries in an unventilated, enclosed space.

2. Do not remove vent caps. Follow shipping and handling instructions that are applicable to the battery type. To avoid damage to terminals and seals, do not double-stack industrial batteries.

STEPS TO TAKE IN CASE OF LEAKS OR SPILLS

If sulfuric acid is spilled from a battery, neutralize the acid with sodium bicarbonate (baking soda), sodium carbon (soda ash), or calcium oxide (lime).

Flush the area with water. Do not allow unneutralized acid into the sewage system.

WASTE DISPOSAL METHOD:

Neutralized acid may be flushed down the sewer. Spent batteries must be treated as hazardous waste and disposed of according to local state, and federal regulations. A copy of this material safety data must be supplied to any scrap dealer or secondary smelter with battery.

ELECTRICAL SAFETY

Due to the battery's low internal resistance and high power density; high levels of current can be developed across the battery terminals. Do not rest tools or cables on the battery. Use insulated tools only.

Follow all installation instruction and diagrams when installing or maintaining battery systems.

SECTION 8: HEALTH HAZARD DATA

LEAD: The toxic effects of lead are cumulative and slow to appear. It affects the kidneys, reproductive, and central nervous system. The symptoms of lead overexposure are anemia, vomiting, headache, stomach pain (lead colic), dizziness, loss of appetite, and muscle and joint pain. Exposure to lead from a battery most often occurs during lead reclaim operations through the breathing or ingestion of lead dusts and fumes.

THIS DATA MUST BE PASSED TO ANY SCRAP OR SMELTER WHEN A BATTERY IS RESOLD.

SULFURIC ACID: Sulfuric acid is a strong corrosive. Contact with acid can cause severe burns on the skin and in the eyes. Ingestion of sulfuric acid will cause GI tract burns. Acid can be released if the battery case is damaged or if the vents are tampered with.

FIBERGLASS SEPARATOR: Fibrous glass is an irritant of the upper respiratory tract, skin and eyes. For exposure up to 10F/CC use MSA Comfort with type H filter. Above 10F/CC up to 50F/CC use Ultra-Twin with type H filter. NTP or OSHA does not consider this product carcinogenic.

SECTION 9: SULFURIC ACID PRECAUTIONS

INHALATION: Acid mist may cause respiratory irritation. Remove any individual from exposure, and apply oxygen if breathing is difficult.

SKIN CONTACT: Acid may cause irritation, burns or ulceration. Flush with plenty of soap and water, remove contaminated clothing, and see physician if contact area is large or if blisters form.

EYE CONTACT: Acid may cause severe irritation, burns, cornea damage and blindness. Call physician immediately and flush with water until physician arrives.

INGESTION: Acid may cause irritation of mouth, throat, esophagus and stomach. Call physician. If patient is conscious, flush mouth with water, have the patient drink milk or sodium bicarbonate solution.

DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON.

SECTION 10: TRANSPORTATION REGULATIONS

We hereby certify that all Larson Electronics Valve Regulated Lead-acid Rechargeable batteries conform to the UN2800 classification as "Batteries, wet, Non-Spillable, and electric storage" as a result of passing the Vibration and Pressure Differential Test described in D.O.T., 49 CFR 173.159(d), and IMO/IMDG, and ICAO/IATA packing instruction 872 and note A67. Batteries having met the related conditions are EXEMPT from hazardous goods regulations for the purpose of transportation by DOT, and IATA/ICAO, and therefore are unrestricted for transportation by any means. For all modes of transportation, each battery outer package is labeled "NON-SPILLABLE". All our Batteries are marked non-spillable.

Updated: Nov. 20, 2012

Frequently Asked Questions (FAQ)