
Low Profile Explosion Proof Fluorescent Light - Emergency Battery Backup - 20,000 Lumens EPL-EMG-48-216



EPL-EMG-48-216 Explosion Proof

NRTL Listed for United States & Canada

Lamp Type: Fluorescent

Dimensions: W-11.25" L-52" H-8.5 "

Weight: 70 Lbs

Voltage: Universal 120V-277V 50/60 Hz

Total Watts: 216 watts

Total Lumens: 20,000

Luminous Efficacy: 92 Lm/W

Lamp Life Expectancy: 20,000+ Hours

Color Temp: 5000K (-50KT5) OR 4100K (-41KT5)

Ambient Operating Temp Range: -20 C to 70 C*

Operating Temp Rating: T6

Minimum Operating Temp -30°C

Maximum Case Temp: 90°C

Mounting: Surface Standard - Pendant Optional

Warranty: Yes - 5 Year

Ratings

Class 1 Division 1, Groups C and D

Class 1 Division 2, Group A,B,C,D

NRTL Certified to UL 595 Outdoor Marine Type
(Saltwater)

NRTL Certified to UL 844, 924

NRTL Certified to UL 1598 Marine Type

Class II Division 1 and 2, Groups E,F,G

Certified Canadian Standards

Listed for Paint Spray Booths*

California Title 24 Compliant

Switch Leg for Powering Light On/Off

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

E-mail: sales@larsonelectronics.com

*Temperatures above 65 degrees C will diminish ballast life from 5 years to 3 years)

Made in the USA

The Larson Electronics EPL-EMG-48-216 Explosion Proof Fluorescent Light Fixture is NRTL Listed for United States and Canada Class 1 Division 1 and Class 1 Division 2 for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist. This unit features a built in emergency battery backup and carries a T6 temperature rating with approval for paint spray booth use.

The EPL-EMG-48-216 fixture is a 4 foot long, 4 lamp, Class 1 Division 1 and Class 2 Division 1 & 2 explosion proof fluorescent light which is also approved for use in paint spray booth applications. This T6 temperature rated fixture comes standard with four T5 high output fluorescent lamps. The lamps are protected by heat and impact resistant Pyrex tubes and the fixture is constructed of copper free aluminum alloy. The lamp reflectors are corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. This fixture is multi-voltage capable and is available with a variety of lamp options. The EPL-EMG-48-

216 provides operators in hazardous locations with a reliable and affordable lighting solution that provides the best explosion proof protection available without sacrificing light quality or fixture durability.

[Click here to view the LED version of this fixture.](#)



[Click to Enlarge](#)



[Click to Enlarge](#)



[Click to Enlarge](#)



Pendant Mount

[Click to Enlarge](#)



Surface Mount

[Click to Enlarge](#)



[Click to Enlarge](#)

This fluorescent light works, mounts and is wired like our EPL-48-216 explosion proof fluorescent light fixtures. The main difference is that we attach an extra Bodine ballast box to the unit that adds emergency light functionality to the fixture. This explosion proof emergency light will run the standard 90 minutes after power is lost. The light automatically recharges the battery once electrical power is restored. Standard configuration includes a single emergency ballast that will run two of the four bulbs for 90 minutes at 900 lumens. The battery backup unit includes a switched leg for turning the light fixture on/off without kicking the unit into emergency mode.

Standard Bracket Mounts: Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg. The first picture shown above illustrates the ballast side bracket and also shows the access caps for changing the bulbs. The second picture shows the bracket at the opposite end of the fluorescent light.

Additional mounting options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown in the photos above. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit).

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets enable the operator to choose any mounting angle for the fixture, where other models may only offer one or three choices.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Over-sized, finned ballast housing for 800 mA fixtures provides more heat dissipation and extends ballast life.

Lamp Options

F54-T5/850/HO – 54 watt, 5000 lumens per bulb, 20,000 hours life, 5000 Kelvin color, CRI 85 RHA-UNV-254-LT5 Ballast is THD < 10% and HPF .98 (Suffix -50KT5)
F54-T5/841/HO - 50 watt, 4450 lumens per bulb, 20,000 hour life, 4100 Kelvin color, CRI 85 (Suffix -41KT5)

Larger ballast box accommodates High Output lamp ballasts. Ballast housing easily accessible and externally mounted. Top and bottom covers secured with nuts and bolts, instead of threaded through holes, which can be damaged with dirt.

5. Heavy gauge extruded aluminum reflectors with high gloss reflective finish. Resists dents and corrosion.

6. A wrench is used to unscrew the end caps for relamping the fixture, while other models require the "tap and knock off" method to loosen the end cap.

7. Explosion proof, impact and heat resistant Pyrex tubes provide lamp protection.

Options:

EPL-EMG-48-216-Mount-Bulb

Example: EPL-EMG-48-216-SFC-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND

Bulb	
54W-5000K T5HO	-SFC
54W-4100K T5HO	-PND

Links (Click on the below items to view):

- [Back view of EPL-EMG-48-216 explosion proof light](#)
- [DimensionalDrawing](#)
- [EPL-EMG-48-216 fixture is 4 ft long with 4 lamps](#)
- [EPL-EMG-48-216 Low profile explosion proof fluorescent light](#)
- [EXP-EMG-48-216 Explosion proog light with emergency battery backup](#)
- [ies](#)
- [large](#)
- [medium](#)
- [SpecSheet](#)
- [SpecSheetSpanish](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [Video1](#)