

20LM07

Explosion Proof Fluorescent Lights for Paint Booths - 4 foot - 4 lamp - Surface Mount - T8

Product ID: 149290

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.

20LM07 Explosion Proof

UL Listing: United States - Canada

Dimensions: W-24.90" L-57.76" H-9.70"

Weight: 130 Lbs

Total Watts: *216 watts

Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz: 347 Volts and 480 Volts available upon request.

Total Lumens: 20,000

Lamp Life Expectancy: 20,000 Hours

Efficiency: 92 Lumens per Watt

Ambient Operating Temp Range: -30 to 70 C

Beam Angle: N/A

Color Temp: 5000K - T5-HO Bulbs

Mounting: Unistruts - surface mount

Wiring Hub: 1/2 inch threaded

U.L Approval: [U.S Certificate](#) [Canada Certificate](#)

Operating Temp Rating: T6 Rated

Minimum Operating Temp: -30 C

Maximum Case Temp: 90 C

*Substitution of included standard bulbs for higher output lamps may affect paint spray booth approval.

*Wattage totals are lamps only and may vary with different lamps.

U.L. Ratings

Class 1 Div 1 & 2, Groups C & D

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

UL 595 Outdoor Marine Type (Saltwater)

UL 844, 924

UL 1598 Marine Type

Class 2 Division 1- 2, Groups E,F,G

UL Certified Canadian Standards

UL listed for Paint Spray Booths*

California Title 24 Compliant

Special Orders - Special Requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

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 20LM07 Explosion Proof Fluorescent Light Fixture is U.S./Canada UL Listed Class 1 Division 1, Class 1 Division 2 and ideal for hazardous locations where flammable petrochemical vapor or combustible dust exists or has the potential to exist. The unit has a T6 temperature rating and is approved for paint spray booths.

*****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE*****

The 20LM07 is our 4 foot long, 4 lamp, UL listed 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 fluorescent lamps. This fixture is multi-voltage capable with 347 Volt and 480 Volt versions available upon request. The 20LM07 provides operators in hazardous locations with a powerful and affordable lighting solution that provides the best explosion proof protection available without sacrificing fixture durability.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

Mounting options: Standard surface mounting via our L-brackets attached to Unistruts. The Unistrut is attached to our standard L-bracket mounts. These L-bracket mounts can be adjusted to create angle mounts. As illustrated in the photos above, the series of mounting holes at the top of the bracket enable this explosion proof light to be attached to any wall, ceiling or floor surface. A simple through bolt can be used to secure the light to the surface. A single junction box at one end of the light is provided for the electrical connection.

Suggested Applications: Paint spray booths, Aircraft maintenance, Oil drilling rigs, Refineries, Solvent and cleaning areas, Chemical manufacturing, Waste treatment plants, Gas processing plants.

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

F54T5HO-850 – 54 watt, 5000 lumens per bulb, 20,000 hour life, 5000 Kelvin color (Suffix –T5)
F48T12HO-CW – 60 watt, 4050 lumens per bulb, 12,000 hours life, 4100 Kelvin color (Suffix –T12HO)
F32T8-841 – 32 watt, 2950 lumens per bulb, 24,000 hours life, 4100 Kelvin color (Suffix –T8)
F48-T8/HO - 48 watt, 4000 lumens per bulb, 18,000 hours life, 4100 Kelvin color (Suffix -T8HO)
T12HO with magnetic ballast for high heat configurations (hot box explosion proof light)

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.

8. Spring loaded sockets on both ends hold lamps firmly for maximum shock and vibration protection.

applications) - 60 watt, 4050 lumens per bulbs - This bulb, ballast and wiring configuration is designed for application to 165 degrees C.

F48-T12-D-HO - 60 watt, 4050 lumens per bulb, 12,000 hours life, 5100 Kelvin color (76 CRI - Color Rendition) - This specialty lamp is designed to mimic daylight conditions. For paint spray booth operators requiring a brighter color light than a traditional "cool white", this bulb can be useful. (Suffix -T12DHO)

F-48-T12-VHO - 110 watt, 7000 lumens per bulb, 12,000 hours life, 4200 Kelvin color (Suffix -T12VHO) NOTE: the 110 watt lamps raise the temperature rating from T5 to T6, which is NOT appropriate for paint spray booth applications. The fixture is still Class 1 Division 1 rated, however, this fixture is no longer paint spray booth certified with the 110 watt Very High Output lamp.

Frequently Asked Questions (FAQ)

20LM07

Product ID: 149290

Harmonized System (HS) Code: 8512.20.2080

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic5](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)