

Explosion-proof LED light fixture rated at 50,000 hours of operation



Larson Electronics'

Magnalight.com has announced the release of a Class 1 Division 1 and Class 2 Division 1 LED light fixture with paint spray booth approval ratings. This lightweight hazardous location LED light fixture provides operators a powerful and efficient fixture with lower maintenance and higher reliability compared to traditional fluorescent fixtures. With future bulb upgrades providing nearly 30% more light every 6 months, operators can easily upgrade this explosion proof light for less than \$100 as LED technology advances.

The EPL-48-2L-LED explosion proof LED light fixture from Larson Electronics' Magnalight.com is a powerful, upgradeable, lightweight and affordable LED lighting solution that gives operators in hazardous locations an immediate solution to their HAZLOC lighting needs. Designed for heavy duty use, this LED light fixture is built on a platform similar to fluorescent paint booth fixtures, but offers greatly increased performance through the inclusion of LED tubes instead of fluorescents. Rated at 50,000 hours of operation and with a color temperature of 5300k, the LED tubes in these fixtures offer more efficient operation and longer life without sacrificing light quality or output. Most available brands of paint booth approved LED light fixtures are of an integrated lamp design, meaning in order to replace or upgrade the lamps for higher output you must replace the whole fixture.

The Magnalight EPL-48-2L-LED provides the ability to replace LED lamps as more powerful and efficient units become available or lamps reach the end of their

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service life, further increasing the value and versatility of these fixtures as operators need only replace the lamps if they wish to increase output or re-lamp. The non integrated design of these fixtures and the lack of internal ballasts, which is not needed with LED lamps, also makes this unit substantially lighter than comparable integrated design fixtures. While an integrated LED fixture typically weighs in the neighborhood of 60 lbs or more, the EPL-48-2L-LED weighs only 45 lbs, making it much easier to manage during installation.

Currently, most manufacturers of integrated explosion proof lights do not have a ready supply of paint booth approved units available, and lead times for available units can be as long as 3 months. Magnalight maintains a ready supply of paint booth approved fixtures in inventory, which allows them to provide fast turnaround and in some cases same day shipping.

Additionally, with most comparable fixtures for class rated environments averaging \$1,000 or more in cost, the Magnalight EPL-48-2L-LED is priced under \$900, making it more affordable and faster to recoup investment. As with all of Magnalight's explosion proof LED lighting, these units also provide a significant reduction in operating and maintenance costs through reduced bulb replacement intervals and lower energy consumption. These fixtures are constructed of copper free aluminum with heat and impact resistant Pyrex lamp tubes for excellent durability, and feature extruded aluminum reflectors with a high gloss finish for even and uniform light distribution. The EPL-48-2L-LED can be operated from universal 120-277VAC 50/60 hz electrical current, and optional 12/24VDC configurations are available for use with low voltages. These lights carry Class 1 Division 1, Groups C and D and UL paint spray booth approval, and are UL approved for marine and salt water type use as well. For operators who require explosion proof lighting with paint spray booth approval, the Epl-48-2l-led offers an affordable high performance alternative that can be ordered, delivered, and installed in less time than it takes most manufacturers to simply deliver a comparable integrated LED fixture.

"The EPL-48-2L-LED explosion proof LED light is now 30% brighter than it was six months ago," said Rob Bresnahan with Larson Electronics' Magnalight.com. "The upgrade path to more lumens for our explosion proof linear fixtures is inexpensive and easy. Operators simply change out the LED module to a brighter package, instead of replacing the entire fixture. This Class 1, Class 2 and paint spray rated fixture is lightweight, easy to install and provides the type of light coverage expected from fluorescents without the hassle of fluorescents bulbs and ballasts. Finally, it is very cost effective when compared to some of the metal halide LED conversions entering the marketplace for hazardous areas."

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