

# Magnalight.com Offers Range of Explosion Proof LED Lights

One of the biggest challenges facing LED designers is how to address the intense heat produced by LED packages. Larson Electronics' magnalight.com offers LED bulbs that address this problem while producing LED bulbs that runs at lower temperatures than high wattage incandescent bulbs. The result is a new line of surface mounted, explosion proof LED lights and portable hazardous location LED lights that produce less heat, draw fewer amps and generate more light when compared to incandescent and fluorescent counterparts.

Larson Electronics announced several new additions to its range of <http://www.magnalight.com/c-190-explosion-proof-led-lights.aspx> [1] [explosion proof LED lights]. The two lamp EPL-48-2L-LED and the four lamp EPL-48-4L-LED are the newest surface mount linear fluorescent style LED lights with UL 844 Class 1 Division 1 and Class 2 Division 1 ratings. The four foot long, two lamp HAL-48-2L-LED and the HALP-48-2L-LED are the latest in UL 844 Class 1 Division 2 linear LED lighting. As surface mount lights, the 4 foot long LED fixtures offer lighter weight, less amp draw, longer bulb life and greater resistance to vibration than their fluorescent counterparts. In addition, the explosion proof LED lights have no ballast to maintain or replace and produce no UV at all, starting their wavelength distribution at 430nm. UV is known to degrade a wide range of materials and while there are many solutions to "block" the UV rays produced by standard fluorescent lighting, these hazardous location LED lights eliminate any issues associated with UV, which is particularly useful in some manufacturing applications.

However, the recent additions to the portable line of explosion proof lights addresses additional safety concerns for handheld and <http://www.magnalight.com/pc-46961-190-explosion-proof-led-light--30-watt-led--pedestal-mount--100-cord--hazlo-plug.aspx> [2] [pedestal mount explosion proof lighting]. The new EPL-PM-1X30LED and the EHL-LED-7W <http://www.magnalight.com/pc-45322-190-explosion-proof-led-drop-light--trouble-light-7-watt-led--120v-ac--100-foot-soow-cord.aspx> [3] [explosion proof LED trouble light] reduce the frequency of bulb replacement and provide brighter light. The most talked about benefit is the lower operating temperature of these LED explosion proof lights. Neither hazardous location LED light exceeds 60 degrees Fahrenheit when operating. High wattage incandescent bulbs in the standard EPL-120-100 series and the EPL-PM-1X300-100 light produce more than 150 degrees Fahrenheit. For operators working in close quarters with the light, they often "bump" into these lights or have to frequently handle them to move the lights to a new area.

"With less heat operators can avoid burns," said Rob Bresnahan with Larson Electronics' magnalight.com. "Explosion proof trouble lights aren't designed to cover a real wide radius, so the light is typically right next the operator, so they are

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Published on Electronic Component News (<http://www.ecnmag.com>)

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constantly bumping into a hot light. In small tanks and vessels, the heat buildup can also make the ambient temperature uncomfortable. Our explosion proof LED light alternatives provide more light, less heat and minimal maintenance, all of which leads to higher safety levels.

Larson Electronics' magnalight.com has an extensive range of explosion proof LED lights for hazardous location areas, including surface mount linear LED lights, portable and battery operated LED lights and a wide range of cart mounted LED lighting for paint spray booths. Visit Larson Electronics at [www.magnalight.com](http://www.magnalight.com) [4] or contact 1-800-369-6671 (1-903-498-3363 international).

### Source URL (retrieved on 08/20/2014 - 2:10pm):

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