Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

56W Flameproof LED Fixture - 4' 2-lamp - Zone 1, 2 and 21, 22 - ATEX/IECEx Rated

HALS-AEC.EX-48-2L-LED

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).

HALS-AEC.EX-48-2L-LED Flameproof LED Light
NRTL Listed for Europe and International
Lamp Technology: LED
Lamp Quantity: (2)
Dimensions: 54.52" x 12.7" x 5.27"
Weight: -
Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC

Total Watts: 56W

Single-lamp Watts: 28W

Total Lumens: 7,000 lms

Single-lamp Lumens: 3,500 lms

Luminous Efficacy: 125 lm/W

Lamp Life: 50,000+ Hours

Color Temperature: 3000K, 3500K, 4500K, 5000K, 5600K

Color Rendering Index: 85+

Lamp Type: -

Lamp Base: G13 Bi-pin

Replacement Lamp: LED T8-Style Tube

Beam Angle: 150°

Lighting Configuration: Flood Pattern

Power Efficiency: -
Power Factor: -
Amperage: 0.46A @ 120V, 0.23A @ 240V, 0.2A @ 277V
Ambient Operating Temp Range: -25°C to +50°C/+55°C

Operating Temp Rating: T6

Housing Material: Carbon Steel

Housing Finish: White Plastic Powder
Lens Material: Polycarbonate (Clear, Frosted or Heavy Frosted)
Cover Material: Glass
Mount: -
Terminals: L1, L2, L, N, PE
Hubs: (1) M25 x 1.5 @ Side

Ratings/Approvals
Zone 1 and Zone 2 Approved
Zone 21 and Zone 22 Approved
Ex nA C T4 Gc TA,T6
ATEX EN60079 Certified
IEC Ex IEC60079 Certified
IP65

Special Orders- Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics HALS-AEC.EX-48-2L-LED Flameproof LED Fixture is designed for powerful illumination in ATEX/IECEx rated flammable environments. Equipped with two 28-watt LED lamps, this IP65 rated

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

fixture is compatible with 100-277V AC. The LED light is protected by a carbon steel housing with a glass cover and features an interlocking system for protection.

The HALS-AEC.EX-48-2L-LED is a powerful lighting solution for combustible facilities, industrial sites and outdoor locations. This 4-foot, 2-lamp unit operates on 100-277V AC, 50/60Hz and contains two, 28-watt LED lamps. During use, the LED fixture offers 7,000 lumens of output in a flood beam configuration, with an exceptional CRI rating of 85+. Color temperature options include: 3000K, 3500K, 4500K, 5000K or 5600K. This flameproof LED light contains a G13 bi-pin base, which caters to T8-style LED tubes.

The explosion proof fixture is constructed of carbon steel, with a white plastic powder finish. The lamp lens consists of polycarbonate and is protected by a glass cover. Choices for the lamp's lens include: clear, frosted or heavy frosted. This IP65-rated unit comes with an approximate lifespan of 50,000+ hours and is suitable for ATEX/IECEx rated Zone 1/Zone 2 and Zone 21/Zone 22 flammable environments. An internal interlock switch powers down the fixture during maintenance to ensure safety. Equipped with a T6 temperature rating, the outdoor fixture can be used in locations with ambient temperatures ranging between -25°C to +50°C/+55°C.

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.

These LED fluorescent style bulbs are universal voltage and run directly off any voltage ranging from 100 volts to 277 volts AC 50/60 Hz. The internal LED driver is a "smart" driver, sensing the incoming voltage and adjusting accordingly to provide the current required by the lamp. This allows operators to simply wire the fixture to voltage within the 120-277V range, no modifications required. This includes commonly found voltages such as 120V 60Hz, 220V 50Hz, 240V 60Hz, and 277V 60Hz. We also offer a 12/24V AC/DC version for low voltage applications for AC or DC power. Low voltage fixtures require no modifications between 12V and 24V power sources, nor between alternating and direct current supply.

Wiring: The HALS-AEC.EX-48-2L-LED features L1, L2, L, N and PE terminals for completing electrical connections. Cables are fed through one, M25 x 1.5" hub located at the side of the fixture. A central locking system protects the internal components of the unit, which must be unlocked during installation or relamping.

Mounting Compatibility: This explosion proof light is compatible with the following mounting configurations (not included): ceiling, pendant, chain hanging, angle bracket and more. We offer these mounting accessories at an additional cost.

Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste water treatment plants, offshore applications and more.

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

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

options tailored to meet your specific industry needs.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

3

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

4

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Warranty: 12 Months

Options:
HALS-AEC.EX-48-2L-LED-Color Temp-Diffusion
Example: HALS-AEC.EX-48-2L-LED-3000K-CLR

Color Temp	
3000K	-3000K
3500K	-3500K
4500K	-4500K
5000K	-5000K
5600K	-5600K

Diffusion	
CLEAR	-CLR
FROSTED	-FRST
HEAVY FROST	-HIFRST

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Links (Click on the below items to view):

- HigResPic1

- HigResPic2

- HigResPic3

- HigResPic4

- HigResPic5

- Video1

- Video2

- ISO 9001 Certification

- Business Certificate

- Shipping Time Map