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GAUD-EMG-92-2X4-2XIPS.20-M2

92W Clean Room LED Light Fixture with Integral Battery Pack - 8,569 Lumens - 2x4 Recessed Mount - 4000K - 92 CRI - 0-10V Dimmable - Symmetric Distribution

Product ID: 338490



Image: GAUD-EMG-92-2X4-2XIPS.20-M2

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.

GAUD-EMG-92-2X4-2XIPS.20-M2 Clean Room LED Lighting

Unit Type: 2x4 Recessed Clean Room LED Light Fixture
Lamp Technology: LED
Lamp Qty: Integrated LED Array
Dimensions: 48"-L x 24"-W
Weight: -
Voltage: 120V AC
Total Watts: 92W
Total Lumens: 8,569 lms
Luminous Efficacy: 93 Lm/W
Lamp Life: 100,000+ Hours
Color Temp: 4000K
Color Rendering Index: 92 CRI
Lamp Type: Integrated LED
Lamp Base: -
Replacement Lamp: -
Beam Angle: Symmetric Distribution
Power Efficiency: >90%
Power Factor: 0.90
Emergency Runtime: 90 Minutes
Emergency Lumens: 2,600 lms
Amps: 0.77A @ 120V
Ambient Operating Temp Range: Suitable for Controlled Indoor Environments

Ratings

ISO Rated Cleanroom Fixture
Fully Gasketed & Sealed Construction
Symmetric Light Distribution
UL Listed

Special Orders - Special Requirements

Housing Material: Welded Steel
Housing Finish: White Antimicrobial Polyester Powder Coat
Lens Material: Sealed Cleanroom Lens
Mounting: Recessed Ceiling Mount
Wiring: Hardwired Connection

Contact us for special requirements
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The GAUD-EMG-92-2X4-2XIPS.20-M2 from Larson Electronics is a 2x4 Clean Room Emergency LED Light Fixture with Integral Battery Pack designed for recessed ceiling mounting in contamination-controlled environments. This powerful 92-watt LED luminaire operates on 120V AC and produces 8,569 lumens of high-quality illumination. Featuring a fully sealed construction, symmetric light distribution, 0-10V dimming capability, and emergency battery backup, this fixture is ideal for cleanroom applications requiring reliable illumination during normal and emergency operating conditions.

The GAUD-EMG-92-2X4-2XIPS.20-M2 is engineered to provide high output illumination while meeting the stringent requirements of cleanroom facilities. During operation, the fixture delivers 8,569 lumens of bright neutral white light at 4000K with a 92 CRI, providing excellent color accuracy and visibility for precision tasks. The integrated LED system consumes only 92 watts, achieving an efficacy of approximately 93 lumens per watt while offering a rated service life exceeding 100,000 hours. A symmetric light distribution pattern ensures uniform illumination throughout the work area, reducing shadows and enhancing visibility.

Emergency Mode: Equipped with an integral emergency battery pack, this clean room LED fixture automatically switches to emergency operation upon loss of normal AC power. The emergency system provides illumination for a minimum of **90 minutes** during power outages, helping maintain visibility and safety within critical cleanroom environments. Once normal power is restored, the battery system automatically recharges and returns to standby mode.

Dimming: This clean room LED fixture is equipped with a 0-10V dimmable driver, allowing operators to adjust light output to suit specific application requirements. The dimming capability supports energy conservation initiatives while maintaining consistent lighting quality in controlled environments.

LED Benefits: Unlike traditional fluorescent and HID lighting systems, LEDs contain no fragile filaments, glass tubes, or hazardous gases. Light emitting diodes provide instant-on illumination with no warm-up or restrike periods, making them ideal for environments where consistent lighting is critical. The solid-state construction of LEDs offers enhanced durability and reliability while minimizing maintenance requirements and downtime.

LED lighting operates at significantly lower temperatures than conventional lighting technologies and contains no mercury or harmful gases. Reduced heat generation helps maintain environmental control within cleanroom facilities while lowering cooling costs. In addition, LED fixtures are highly energy efficient and environmentally friendly, reducing overall operating expenses and supporting sustainability initiatives.

Construction: The fixture features a rugged welded steel housing finished with a white antimicrobial polyester powder coat. A sealed cleanroom lens and fully gasketed construction help prevent contamination ingress while supporting operation in controlled environments. The recessed mounting design integrates cleanly into standard ceiling systems while maintaining the integrity of the cleanroom envelope.

The emergency battery system is fully integrated within the fixture housing, maintaining the clean

appearance and contamination-control characteristics required for cleanroom installations.

Mounting: This unit is designed for recessed ceiling mounting in 2x4 ceiling grid systems. The low-profile configuration provides a streamlined appearance while maximizing usable space within cleanroom facilities.

Applications: Cleanrooms, pharmaceutical manufacturing facilities, laboratories, healthcare facilities, semiconductor fabrication plants, aerospace manufacturing, biotechnology facilities, research centers, inspection rooms, and other contamination-controlled environments requiring high-quality illumination and reliable performance.

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 options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs