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GAU-GGL-24-IPS-LED-E2E-R2

20W Outdoor LED Fixture for Garden Center, 8ft Cord, 120-277V AC, 2500 lms, 85° Flood, IP68

Product ID: 284777

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.

GAU-GGL-24-IPS-LED-E2E-R2 Weatherproof LED Fixture - IP68 Rated

Lamp Technology: LED
Dimensions: 24.58"-L x 1.83"-W x 1.78"-H (2.19"-H w/ bracket installed)
Weight: 2.75 lb
Voltage: 120-277 V AC 50/60 Hz
Total Watts: 20W
Total Lumens: 2,500 lms
Luminous Efficacy: 125 Lm/W
Lumens per Foot: 1250 Lm/Ft
Lamp Life: 65,000+ Hours (L70)
Color Temp: 4000K
Color Rendering Index: >85 CRI (R9 > 25,R9-R12 >59)
Beam Angle: 85° Flood
Lighting Configuration: Full Cutoff
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 0.16 A @ 120 V, 0.08 A @ 240 V, 0.07 A @ 277 V
Ambient Operating Temp Range:-40° C to +60°C
Relative Humidity Range: 0-92%
Housing Material: Aircraft Grade Extruded Aluminum
Housing Finish: Anodized - Black, White, Grey, or Silver
Lens Material: Acrylic (UV Resistant)
Optical Clarity: >90%
Mounting: Back Mounted Detachable Surface Mount C Clips
Wiring: Plug & Play - 8' 14/3 SEOW Flexible Cord w/ Weatherproof Screw-on Connector

Ratings

NRTL Listed for United States and Canada
NRTL Listed to UL 1598
NRTL Listed to CSA 22.2 No. 250.0
NRTL Listed for Wet Locations
IP68 Ingress Protection - Waterproof to 3 Meters
Factory Sealed Light Fixture
Weatherproof Power Connectors
Daisy Chain End-to-End Capable
98% Lumen Retention at 10,000 Hours
85% Lumen Retention at 50,000 Hours
70% Lumen Retention at 65,000 Hours
Approved for Outdoor Installations
Approved for Freezer Installations

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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Daisy Chain Capable: Yes, Includes Output Connector for Daisy Chain Connecting up to 25 Units

E-mail: sales@larsonelectronics.com

The GAU-GGL-24-IPS-LED-E2E-R2 from Larson Electronics is an Outdoor LED Fixture for Garden Centers is a superior lighting solution that is approved for indoor and outdoor environments, as well as wet locations and areas requiring a durable, waterproof and long-lasting light source. This powerful 24" long LED strip light produces 2,500 lumens and operates on universal 120-277 V AC. The IP68 rated, solid-state light is compatible with daisy chain configurations (up to 25 units) and is protected by an aircraft grade anodized aluminum housing.

The GAU-GGL-24-IPS-LED-E2E-R2 20-watt low profile strip light provides high output and a durable lighting solution for applications where waterproof lighting is required. These units are configured in a 24" long strip or "bar" profile for installation in locations where wide dispersal and a low profile is preferred. Once installed, operators can rotate the light fixture side to side to position the light output as needed. The high output, cool running operation, and exceptional color rendering properties of this light makes it an ideal replacement for older, bulkier, and less reliable HID and halogen light fixtures. The LEDs in this linear light are Cree LEDs that have been chosen for their high lumen per watt ratio and extreme long life. These Cree LEDs provide over 125 lumens per watt output and have 98% lumen retention at 10,000 hours, 85% lumen retention at 50,000 hours and 70% lumen retention at 65,000 hours (calculated at 12 hours use/day), giving them better efficiency and operational life than comparable LEDs. This LED light produces 2,500 lumens with a color temperature of 4000K. We offer a 3000K model for dark sky compliance. The 3000K model is designed for outdoor installations in locations that require dark sky compliance for city regulations. Average foot-candle distribution from a height of 10 feet is 24 fc. This LED fixture offers a color rendering index of 85 or greater (with R9 > 25 and R9-R12 >59 averaged).

A 85-degree beam angle with full cutoff lens and internal reflector keeps light distribution downwards, which reduces light spillage. A UV and shatter resistant acrylic lens provides > 90% optical clarity (< 3% loss of optical clarity after 10 years of exposure to sunlight). This component has higher optical clarity than polycarbonate.



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Click Photo to Enlarge



Click Photo to Enlarge

Durability: The weatherproof LED light is constructed of aircraft grade anodized aluminum for high strength. Color options for the anodized coating include: black, white, silver or grey. The hard anodized coating promotes corrosion resistance and deters discoloring, while the metal structure helps increase the lifespan of the fixture, improves heat dissipation and offers long-term durability (not susceptible to breaking or cracking, as the material can withstand years of UV exposure). The housing is IP68 rated for temporary submersion up to 3 meters underwater. This design is weatherproof and ideal for areas where wet, damp, or dusty conditions are commonly encountered. With a -40°C to +60°C ambient temperature operating range and 0-92% relative humidity operating range, the LED fixture can operate inside freezers, indoors and outdoors. The unit is NRTL listed for wet locations and is approved for hosedown applications, where the light is sprayed with pressurized water hoses on a regular basis. We offer a Class I, Division 2 certified model for this LED fixture for use in hazardous locations (at an additional cost).

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

Voltage: The LED fixture is compatible with single-phase 120-277 V AC, 50/60 Hz. This wide voltage and frequency range enables the unit to be used in domestic and international markets regardless of local voltage. For businesses, this feature allows one product to be used in all stores. An integrated LED driver can be found inside the light's housing (no external power supply needed). The internal driver is field serviceable and can be replaced in the field in the event of failure.
Wiring: The GAU-GGL-24-IPS-LED-E2E-R2 comes with 8 feet of 14/3 SEOW power cord, which is UV, chemical and abrasion resistant as well as designed for harsh environments, with vulcanized rubber molded plug ends for waterproof connections. Dual, screw-on connectors are available at both ends of the fixture for plug-and-play, daisy-chain connections. Up to 25 units can be connected together and receive power from a single source. Maximum spacing between each light with the included cord is 6 inches (we offer additional cord sets for extended spacing or length requirements). A closed plug on the output side of the fixture is included, if wiring is not required on the output.
Mounting: Mounting for this unit is provided by two standard C-clamp brackets that snaps into the back of the fixture. With this mounting solution, installation can be completed by one person using a drill. Access to the fixture is also easier, which makes servicing, maintenance and replacement faster. The entire assembly weighs 2.75 lb and measures 24.58 inches in length, 1.83 inches wide and 1.78 inches in height (2.19" in height with the bracket installed). This compact LED light ideal for mounting in areas where space is limited and a low-profile fixture is more suitable to accommodate the area.
Applications: This light is ideal for indoor or outdoor applications and industrial or commercial operations where wet conditions are commonly encountered, including garden centers, walkways, occupied areas 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 options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)






GAU-GCL-48-IPS-LED-E2E-R1-DCL-SLV
A21
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GAU-GGL-24-IPS-LED-E2E-R2

Product ID: 284777

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

GAU-GGL-24-IPS-LED-E2E-R2-Coating

Example: GAU-GGL-24-IPS-LED-E2E-R2-BLK

Coating	
BLACK	-BLK
WHITE	-WHT
GREY	-GRY
SILVER	-SLV

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**