



APPLICATION

The GS Series 12VDC, 24VDC and 24VDC High Output luminaires are designed for use in hazardous locations, indoors, outdoors, wet location, and areas containing moisture, dirt, corrosion, vibration, and rough usage. As defined by the National Electrical Code (NEC) and the Canadian Electrical Code (CEC), they are suitable for use in the following areas:

Certified to: UL 844, UL 1598, UL 1598A and UL 2108;
CSA 22.2 No. 137 and CSA 22.2 No. 250.0

Hazardous Location Certifications:

Class I, Division 2, Groups ABCD, T4*;
Class II, Division 2, Groups FG, T6*;
Class III;
Class I, Zone 2, Group IIC;
Zone 22
*T3C for simultaneous exposure rating, Class I Div. 2 & Class II, Div. 2

Housing: Copper-free Aluminium with Polycarbonate lens

Mounting: (A) Adjustable: Four 1/4"-20 x 4" Screws or bolts (Not Provided)
(B) Carriage Bolt: Two 1/4"-20 x 1" Bolts (Integral to luminaire)
Flat washers, lock washers & 1/4"-20 nuts (Provided)

Input Voltage: 12: 11-16VDC | 24: 22-28VDC | 24H: 22-28VDC

Electrical Ratings: 12 Models (@ 10-16VDC): GS-1: 0.75A | GS-2: 1.5A | GS-3: 2.3A | GS-4: 3.0A
24 Models (@ 22-28VDC): GS-1: 0.40A | GS-2: 0.75A | GS-3: 1.1A | GS-4: 1.5A
24H Models (@ 22-28VDC): GS-1: 0.75A | GS-2: 1.5A | GS-3: 2.2A | GS-4: 2.9A

Connections: 3ft extra hard usage cord with flying leads
Black: Negative (-) | White: Positive (+) | Green: Ground
DC Class 2 Wiring Only

Temperature Range: -40°C to +60°C

Ingress Protection: IP 66/67 | Suitable for Wet Locations. Marine Outside type (Salt Water).
(Luminaire enclosure only)



WARNING

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.



WARNING

Do not open, no serviceable parts.



WARNING

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.

INSTALLATION

STEP 1:

Inspect shipping package and contents to ensure no damage has occurred during shipping.

Adjustable Bracket Mount

STEP 2a:

Loosen each M4 pinch bolt (2x) slightly using a 3mm hex key to allow some free movement. This will allow for easier installation on uneven or other surfaces.

*Be sure not to loosen the end brackets too much as the end brackets will disengage.

STEP 2b:

Mount luminaire to desired location with four 1/4"-20 (4x) screws or bolts (not provided).

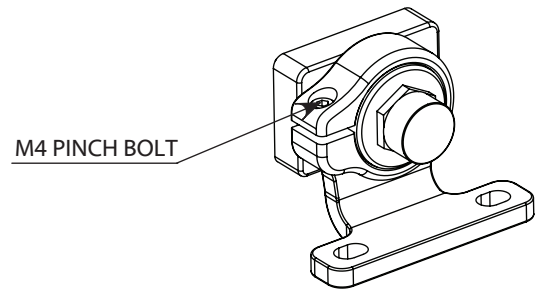
STEP 2c:

Adjust luminaire to desired angle and tighten M4 pinch bolts (2x) using a 3mm hex key.

NOTE:

If application requires periodic adjustment of aiming do not rotate more than 180° in either direction from installation point, doing so may put excessive strain on the electrical connections.

Continue to Step 3.



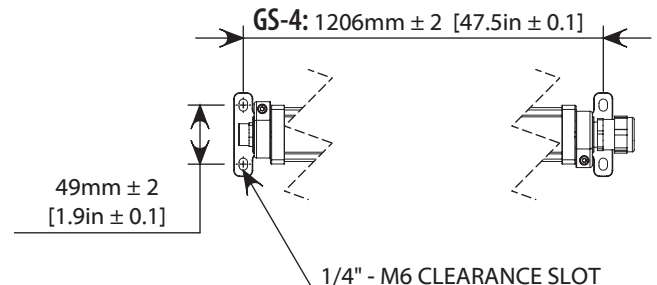
Mounting Dimensions:

GS-1: 368mm ± 2 [14.5in ± 0.1]

GS-2: 648mm ± 2 [25.5in ± 0.1]

GS-3: 927mm ± 2 [36.5in ± 0.1]

GS-4: 1206mm ± 2 [47.5in ± 0.1]



INSTALLATION (CONT.)

Carriage Bolt Mount

STEP 2a:

Align both carriage bolts through holes in the desired mounting surface. Place the provided flat washer, lock washer and 1/4"-20 nut on the bolt and tighten luminaire to the surface.

STEP 3:

Listed cord connector to an outlet junction box with suitable grounding complying with the NEC / CEC hazardous location requirements of the installation. The cord connector must be rated for use with extra hard usage cable of types SOW, SOOW, STOOW, STOW, SEOW, SEOOW having a diameter between 8.75mm/0.345" & 9.4mm/0.370". The Listed cord connector must be installed in the Listed outlet box, using a min. 1/2 INCH NPT hub complying with the NEC / CEC hazardous location requirements of the installation. The cord connector must be connected to the Listed outlet box having threaded conduit opening matching the same size as the cord connector. The outlet box must be Listed for rated to the environment of the installation. The installation environment must not exceed the Wet Location IP66/67 rating of the luminaire.

STEP 4:



Black: Negative (-)
White: Positive (+)
Green: Ground

Connect the lead wires from the cord to the field supply wiring inside the outlet box. The field wiring terminations are to be made following acceptable practices as outlined by the NEC / CEC for either the specific ordinary or hazardous locations as dictated by the installation location.

STEP 5:

Energize luminaire.

