



GS Series

500 – 5,000 LUMEN
SEALED LINEAR LUMINAIRE
4 LENGTHS | AC/DC



Approved for use in general, marine, & hazardous locations.

Essentials

Input voltage options: 120VAC | 12VDC or 24VDC

Ingress protection: IP66 / IP67 / IP68*

Ambient temperature range: -40°C to +65°C

Fixture lengths:

GS-1: 15.5" | GS-2: 26.5" | GS-3: 37.5" | GS-4: 48.5"

Fixture dimensions:

GS-1: 1.8lbs. | GS-2: 2.6lbs. | GS-3: 3.9 lbs. | GS-4: 5.3lbs
(excluding mounts)

* General & marine location only

Certifications

GS-DC Model

- Certified for general & marine location use under: UL 1598, UL 2108 | CSA C22.2 No. 250.0
- Certified for hazardous locations use under: UL 844, UL 1598A | CSA C22.2 No. 137
- Class I, Division 2, Groups ABCD, T4* | Class II, Division 2, Groups FG, T4* | Class III | Class I, Zone 2, Group IIC | Zone 22

GS-AC Model

- Certified for general & marine location use under: UL 1598, UL 1598A, UL 8750 | CSA C22.2 No. 250.0 & No. 250.13
- Certified for hazardous locations use under: UL 844 | CSA C22.2 No. 137
- Class I, Division 2, Groups ABCD, T4* | Class II, Division 2, Groups FG, T4* | Class III | Class I, Zone 2, Group IIC | Zone 22 | *T3C for simultaneous exposure rating, Class I, Division 2 & Class II, Division 2

Features

- Optimized thermal management with extruded aluminum housing.
- Type II anodized housing withstands exposure to certain chemicals.
- Factory-sealed housing provided with 3ft cable and cable gland.
- Vented enclosure to prevent stress on electronics and gaskets.
- Lightweight housing for deployment in complex project
- Adjustable mounting bracket allows for 360° rotation.

Nemalux GS lights are compact and durable. Designed as a hazardous location strip light, the GS is a great option for enclosures. All variants are factory sealed and supplied with a 3ft flying lead. Suitable for outdoor and indoor applications. Standard mounting brackets allow for 360-degree articulation. The housing provides a full cutoff preventing light from hitting the operators eyes.

Warranty

- Five (5) year limited warranty

 **Nemalux™**

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 MADE IN CANADA

GS Series

Product Features

MOUNTING

Fixture has two mount options:

- End brackets that allow for easy field adjustable 360° rotation
- Carriage bolts for mounting to surfaces

POWER SUPPLIES

- Utilizes high performance LED drivers for better efficiency and up to 100,000 hours of maintenance-free operation
- 12V or 24V DC input options can run directly off of vehicle or facility low voltage DC

HOUSING

- Extruded aluminum and copper free aluminum casting
- MIL-SPEC Hard Anodizing (Body) and super-durable powdercoat (End Caps) suitable for rugged outdoor environments
- Custom brackets available upon request
- Polycarbonate lens that is designed to withstand severe impacts

CREE LEDs

- Proven reliability
- High efficiency
- Superior CRI
- Available in standard 5,000K and 3,500K with custom colour and dual colour options available for special order

REFLECTOR

- High efficiency internal reflector maximizes output

LIGHT ENGINE

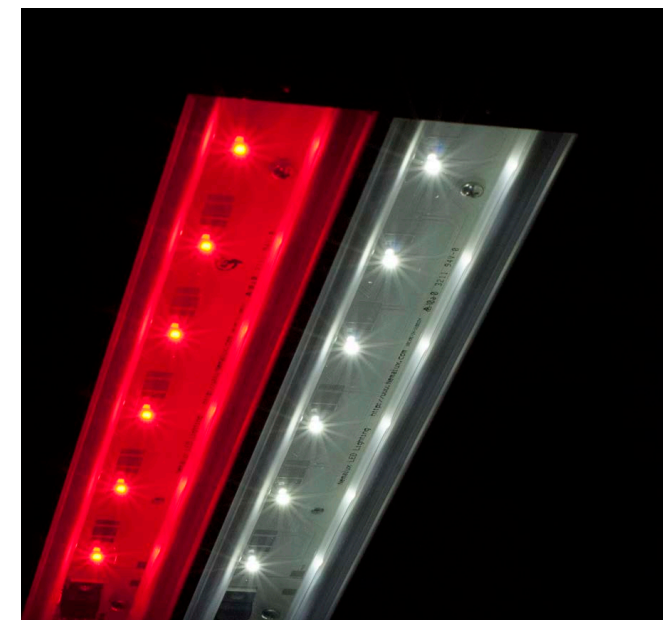
- Metal Core PCB (MCPCB)
- Modular Optics
- Linear drive circuits used in DC versions produce no flicker or high frequency electronic noise
- AC units produce light at 120Hz with no visible flicker and no high frequency switching noise

THERMAL MANAGEMENT

- Heat-sink designed for optimal heat dissipation

ELECTRONICS ENCLOSURE

- Direct transfer of heat from PCB to the casing to maximize lifetime and reliability
- Suitable for wet location
- Unique case design utilizes compression for sealing and eliminates fasteners on the front face



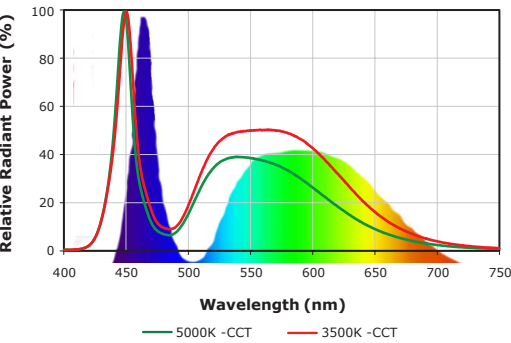
MODEL SELECTOR Example: GS-1-50-W-BLK-H-120-66-A

MODEL	COLOUR	OPTIC	FINISH	LOCATION	VOLTAGE	INGRESS	MOUNT
-	50	-	BLK	-	-	66	-
GS-1	50 - 5000K	W - Wide Beam (No Optics)	BLK - Black	G - General Location	120 - 120VAC	66 - IP66	A - Adjustable B - Carriage Bolt
GS-2					12 - 12-16VDC		
GS-3					24 - 21-28VDC		
GS-4					24H - 21-28VDC		
	Special Order: 30 - 3000K 35 - 3500K 40 - 4000K 45 - 4500K 55 - 5500K 60 - 6000K R - Red G - Green B - Blue A - Amber	Special Order: N - Narrow Beam 30°	Custom finishes are available. Please contact for details.	H - Hazardous Location			

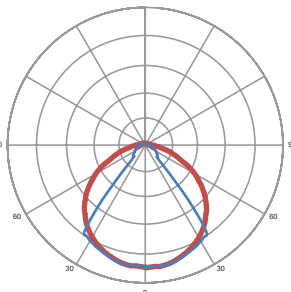
NOTES:
1. Minimum order quantities, additional costs and lead times may apply.
2. IDA Fixture Seal of Approval only applies to fixtures with a CCT of 3000K or less, and have fixed mounts aiming the fixture perpendicular to the ground

COLOUR TEMPERATURE

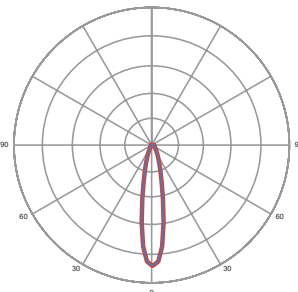
Available standard in 3,500K and 5,000K colour temperatures, with additional colour temperatures available from 2,700 to 6,500K.



OPTIC OPTIONS



W - Wide 100°



N - Narrow 30° (DC Only)

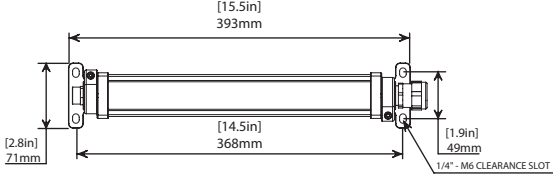
DC Models	Lumens	
	12/24	24H
GS-1	578	1127
GS-2	1172	2285
GS-3	1758	3428
GS-4	2351	4584

DC Models	Lumens	
	12/24	24H
GS-1	657	1281
GS-2	1310	2555
GS-3	1971	3843
GS-4	2628	5125

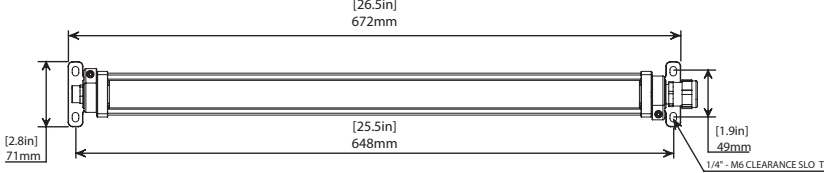
AC Models	Lumens
GS-1	582
GS-2	1292
GS-3	2003
GS-4	2714

MOUNTING OPTIONS

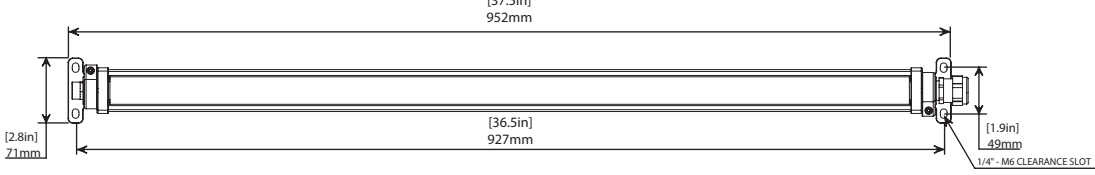
GS-1: 0.8 kg | 1.8 lbs



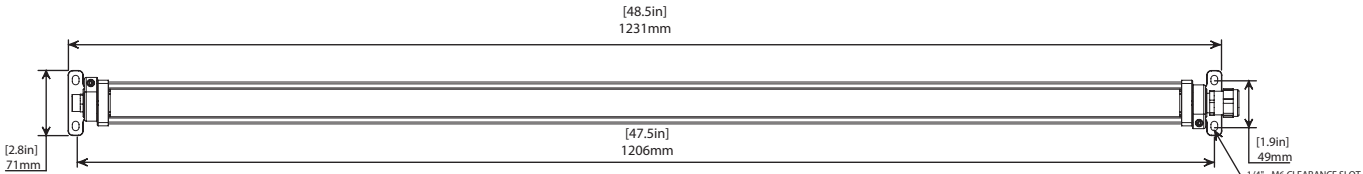
GS-2: 1.2 kg | 2.6 lbs



GS-3: 1.8 kg | 3.9 lbs



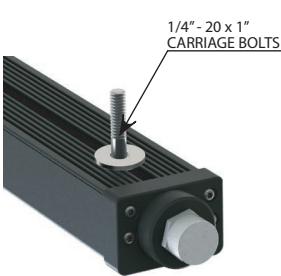
GS-4: 2.4 kg | 5.3 lbs



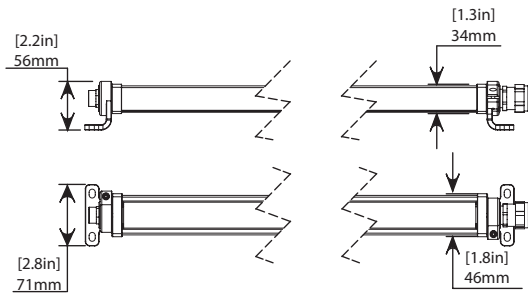
A - ADJUSTABLE MOUNTING BRACKET



B - CARRIAGE BOLT/SURFACE MOUNT



DIMENSIONS



CUSTOM OPTIONS

WIRING
Other wire lengths available in 30cm (1 ft) increments (General location only)