Nemalux™

GS-DC-HZ
rev. A1

KEY FEATURES

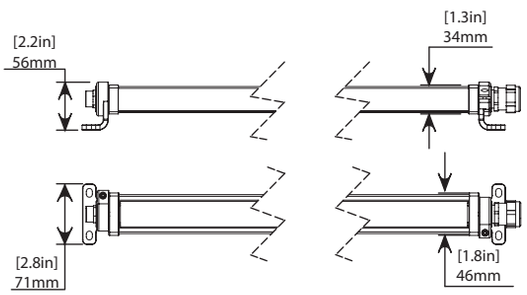
- Designed for marine and industrial applications
- Optimized thermal management with extruded aluminum housing
- Type II anodized housing withstands exposure to certain chemicals
- Vented enclosure to prevent stress on electronics and gaskets
- Lightweight housing for deployment in complex projects
- Adjustable mounting bracket allows for 360° rotation
- Sealed housing provided with 3ft cable

TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

HOUSING	Copper Free Aluminum and Polycarbonate Lens
MOUNTING	See Page 2 for DETAILS
VOLTAGE MAXIMUM	**12**: 16VDC | **24**: 28VDC | **24H**: 28VDC
INPUT VOLTAGE	**12**: 11-16VDC | **24**: 22-28VDC | **24H**: 22-28VDC
POWER (TYP)	**12 Models: GS-1**: 8.4W | **GS-2**: 16.8W | **GS-3**: 25.2W | **GS-4**: 33.6W **24 Models: GS-1**: 8.4W | **GS-2**: 16.8W | **GS-3**: 25.2W | **GS-4**: 33.6W **24H Models: GS-1**: 16.8W | **GS-2**: 33.6W | **GS-3**: 47.5W | **GS-4**: 64.0W
CURRENT (TYP)	**12 Models (@12 VDC): GS-1**: 0.66A | **GS-2**: 1.30A | **GS-3**: 1.98A | **GS-4**: 2.64A **24 Models (@24 VDC): GS-1**: 0.33A | **GS-2**: 0.66A | **GS-3**: 0.99A | **GS-4**: 1.32A **24H Models (@24 VDC): GS-1**: 0.66A | **GS-2**: 1.32A | **GS-3**: 1.98A | **GS-4**: 2.65A
CONNECTIONS	0.9m (3ft) Flying Lead
DIMMING	Can be dimmed via supply pulse modulation
TEMPERATURE RANGE	-40°C to +60°C (Case ~30°C above ambient)
CERTIFICATIONS	Certified to UL 844, UL 1598, UL 1598A, UL 2108; CSA 22.2 No. 137, CSA 22.2 No. 250.0; Class I, Division 2, Groups ABCD, T4**; Class II, Division 2, Groups FG, T6**; Class III; Class I, Zone 2, Group IIC; Zone 22
INGRESS PROTECTION	IP66/67 Suitable for wet locations. Marine Outside type (Salt water).
COLOUR TEMP RANGE	**50**: 5000K | **Special Order**: 2700-6500K
CRI VALUE (MIN)	**50**: 70
TOTAL LUMENS	See Page 2 for DETAILS
LUMEN MAINTENANCE	LM-80 > 100,000 hrs (Based on CREE long term testing)
WEIGHT	See Page 2 for DETAILS

** The ambient temperature during lifetime, lumen and chromaticity determination is 25°C ± 1°C.*
*** T3C for simultaneous exposure rating, Class I Div. 2 & Class II, Div. 2.*

DIMENSIONS



GS Series Fixture Length:

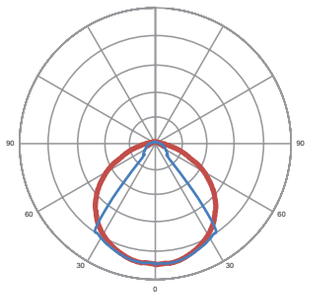
GS-1 393mm [15.5in]
GS-2 672mm [26.5in]
GS-3 952mm [37.5in]
GS-4 1231mm [48.5in]

WARRANTY

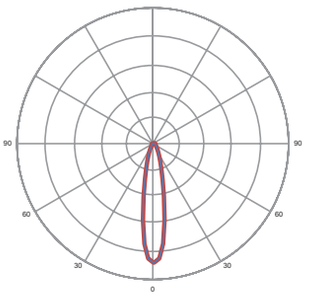
Five (5) year limited warranty to the original purchaser. The warranty covers defects in materials and workmanship under normal use and service.

For additional information see:
https://nemalux.com/legal

OPTIC OPTIONS



W - Wide 100°



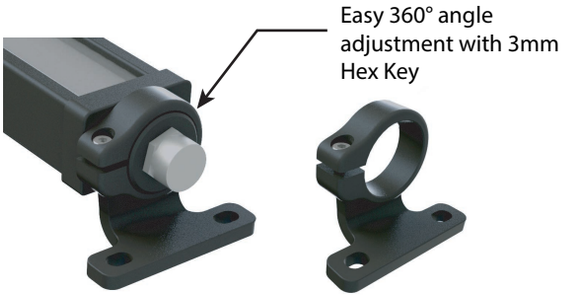
N - Narrow 30°

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

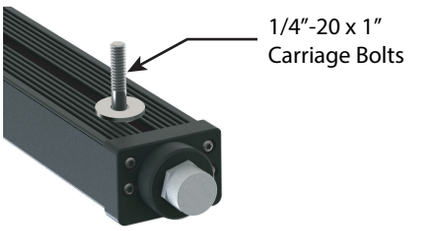
Model	Lumens	
	12/24	24H
GS-1	657	1281
GS-2	1310	2555
GS-3	1971	3843
GS-4	2628	5125

MOUNTING OPTIONS

A - ADJUSTABLE MOUNTING BRACKET

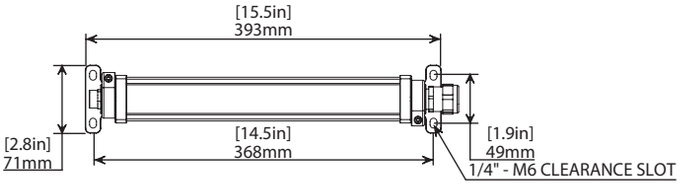


B- CARRIAGE BOLT/SURFACE MOUNT

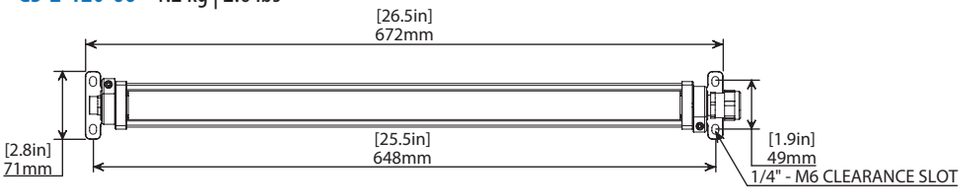


MOUNTING DIMENSIONS

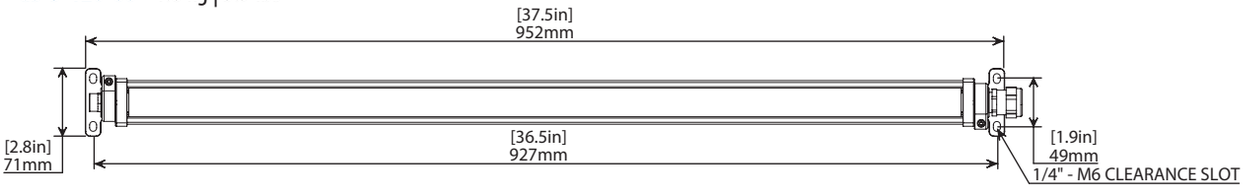
GS-1-120-66 0.8 kg | 1.8 lbs



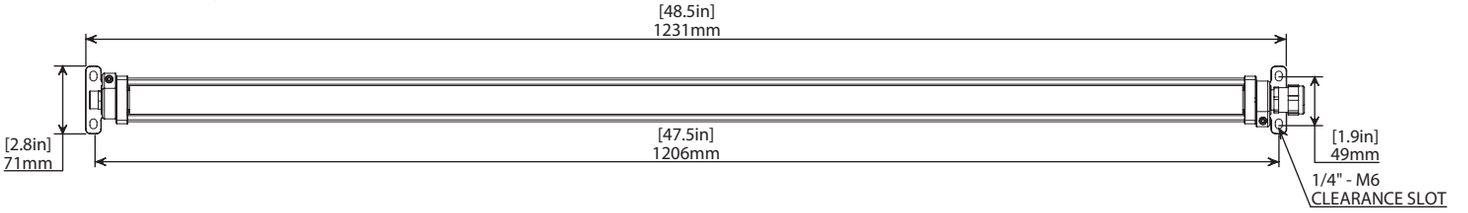
GS-2-120-66 1.2 kg | 2.6 lbs



GS-3-120-66 1.8 kg | 3.9 lbs



GS-4-120-66 2.4 kg | 5.3 lbs



ORDERING INFORMATION

PROJECT NAME		TYPE
PROJECT LOCATION		
COMMENT		DATE
PREPARED BY		

MODEL SELECTOR

Sample Number: GS-1-50-W-BLK-H-24-66-A

MODEL	COLOUR	OPTIC	FINISH	LOCATION	VOLTAGE	INGRESS	MOUNT
-	-	-	BLK -	H -	-	66 -	
GS-1 **GS-2** **GS-3** **GS-4**	**50** - 5000K Special Order: **30** - 3000K[1,2] **35** - 3500K[1] **40** - 4000K[1] **45** - 4500K[1] **55** - 5500K[1] **65** - 6500K[1] **R** - Red[1] **G** - Green[1] **B** - Blue[1] **A** - Amber[1]	**W** - Wide Beam (No Optics) Special Order: **N** - Narrow Beam 30°	**BLK** - Black Custom finishes are available. Please contact for details.[1]	**H** - Hazardous Locations	**12** - 12-16VDC **24** - 21-28VDC **24H** - 21-28VDC	**66** - IP66	**A** - Adjustable **B** - Carriage Bolt

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.*