

## 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



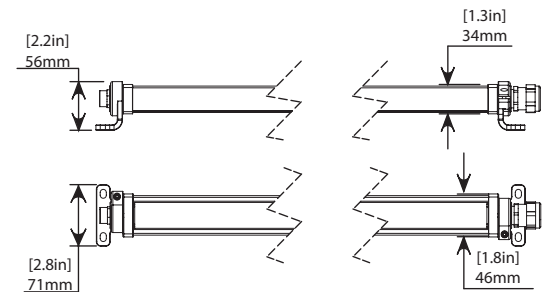
## TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

<b>HOUSING</b>	Copper Free Aluminum and Polycarbonate Lens															
<b>MOUNTING</b>	See Page 2 for DETAILS															
<b>VOLTAGE MAXIMUM</b>	<b>12:</b> 16VDC   <b>24:</b> 28VDC   <b>24H:</b> 28VDC															
<b>INPUT VOLTAGE</b>	<b>12:</b> 11-16VDC   <b>24:</b> 22-28VDC   <b>24H:</b> 22-28VDC															
<b>POWER (TYP)</b>	<table border="1"> <tr> <td><b>12 Models:</b></td> <td><b>GS-1:</b> 8.4W</td> <td><b>GS-2:</b> 16.8W</td> <td><b>GS-3:</b> 25.2W</td> <td><b>GS-4:</b> 33.6W</td> </tr> <tr> <td><b>24 Models:</b></td> <td><b>GS-1:</b> 8.4W</td> <td><b>GS-2:</b> 16.8W</td> <td><b>GS-3:</b> 25.2W</td> <td><b>GS-4:</b> 33.6W</td> </tr> <tr> <td><b>24H Models:</b></td> <td><b>GS-1:</b> 16.8W</td> <td><b>GS-2:</b> 33.6W</td> <td><b>GS-3:</b> 47.5W</td> <td><b>GS-4:</b> 64.0W</td> </tr> </table>	<b>12 Models:</b>	<b>GS-1:</b> 8.4W	<b>GS-2:</b> 16.8W	<b>GS-3:</b> 25.2W	<b>GS-4:</b> 33.6W	<b>24 Models:</b>	<b>GS-1:</b> 8.4W	<b>GS-2:</b> 16.8W	<b>GS-3:</b> 25.2W	<b>GS-4:</b> 33.6W	<b>24H Models:</b>	<b>GS-1:</b> 16.8W	<b>GS-2:</b> 33.6W	<b>GS-3:</b> 47.5W	<b>GS-4:</b> 64.0W
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<b>CONNECTIONS</b>	0.9m (3ft) Flying Lead															
<b>DIMMING</b>	Can be dimmed via supply pulse modulation															
<b>TEMPERATURE RANGE</b>	-40°C to +60°C (Case ~30°C above ambient)															
<b>CERTIFICATIONS</b>	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															
<b>INGRESS PROTECTION</b>	IP66/67 Suitable for wet locations. Marine Outside type (Salt water).															
<b>COLOUR TEMP RANGE</b>	<b>50:</b> 5000K   <b>Special Order:</b> 2700-6500K															
<b>CRI VALUE (MIN)</b>	<b>50:</b> 70															
<b>TOTAL LUMENS</b>	See Page 2 for DETAILS															
<b>LUMEN MAINTENANCE</b>	LM-80 > 100,000 hrs (Based on CREE long term testing)															
<b>WEIGHT</b>	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:

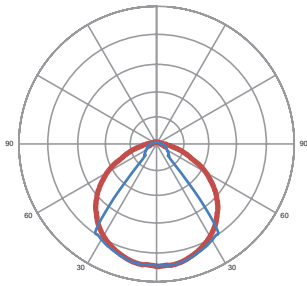


## WARRANTY

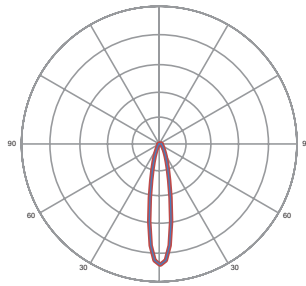
Five (5) year limited warranty to the original purchaser. The warranty covers defects in materials and workmanship under normal use and service.

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

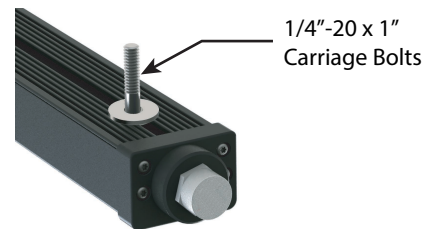
Model	Lumens	
	12/24	24H
GS-1	657	1281
GS-2	1310	2555
GS-3	1971	3843
GS-4	2628	5125

### MOUNTING OPTIONS

#### A - ADJUSTABLE MOUNTING BRACKET

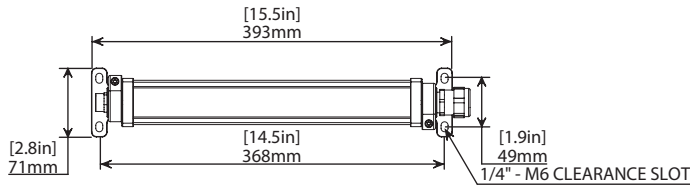


#### B - CARRIAGE BOLT/SURFACE MOUNT

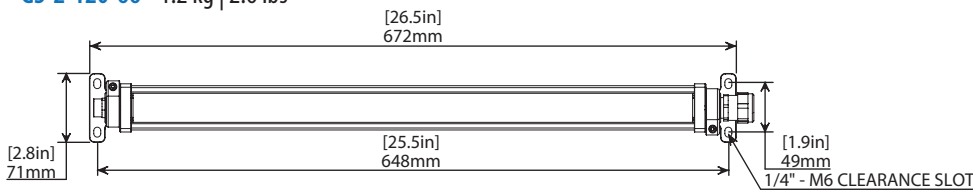


### MOUNTING DIMENSIONS

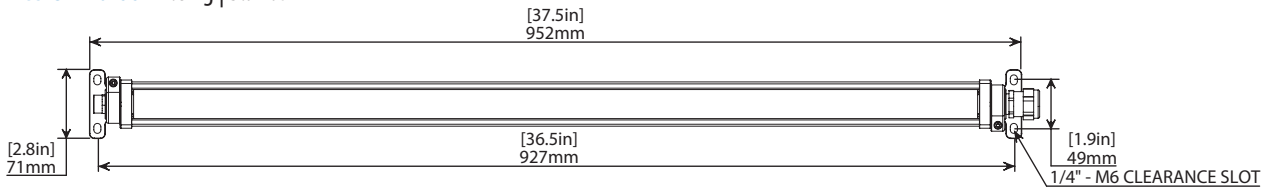
GS-1-120-66 0.8 kg | 1.8 lbs



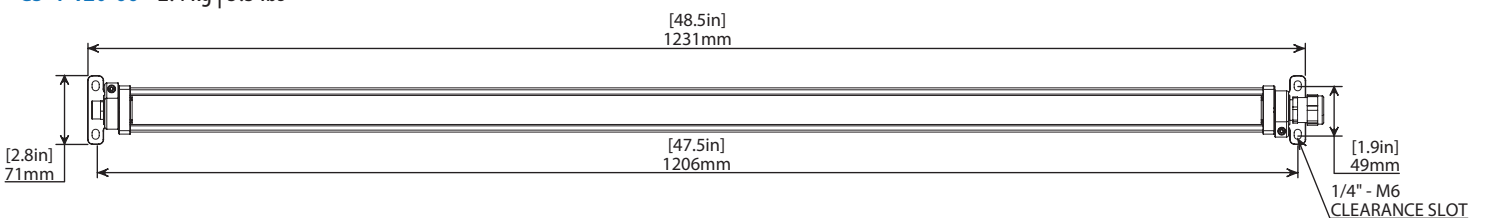
GS-2-120-66 1.2 kg | 2.6 lbs



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

#### 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.