

## 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



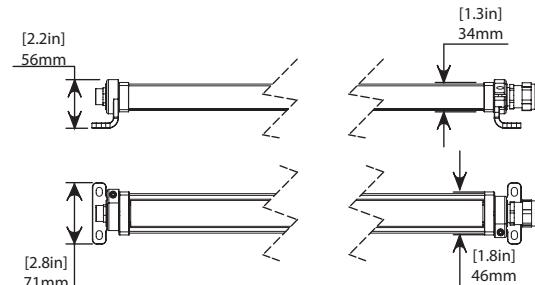
## TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

<b>HOUSING</b>	Copper Free Aluminum and Polycarbonate Lens						
<b>MOUNTING</b>	See Page 2 for DETAILS						
<b>VOLTAGE MAXIMUM</b>	12: 16VDC   24: 28VDC   24H: 28VDC						
<b>INPUT VOLTAGE</b>	12: 11-16VDC   24: 22-28VDC   24H: 22-28VDC						
<b>POWER (TYP)</b>	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			
<b>CURRENT (TYP)</b>	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			
<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 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>	50: 5000K   <b>Special Order:</b> 2700-6500K						
<b>CRI VALUE (MIN)</b>	50: 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:

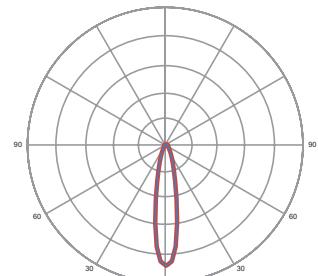
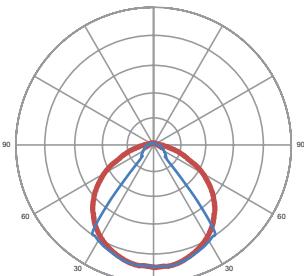
GS-1	393mm [15.5in]	
GS-2	672mm [26.5in]	
GS-3	952mm [37.5in]	
GS-4	1231mm [48.5in]	

## WARRANTY

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

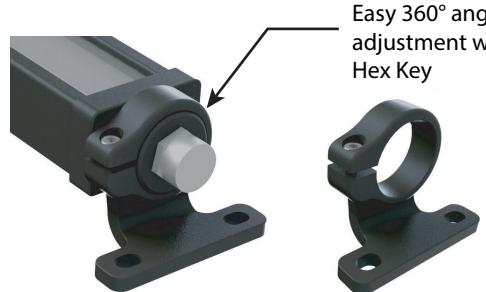
For additional information see:

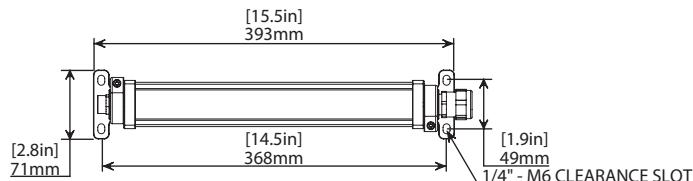
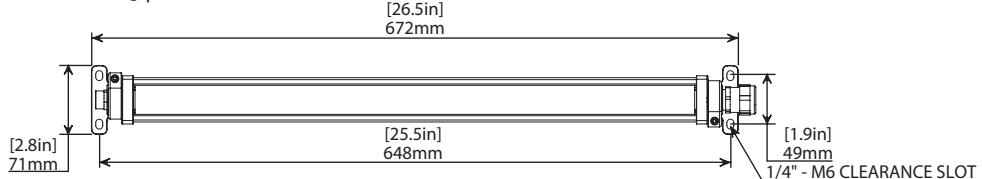
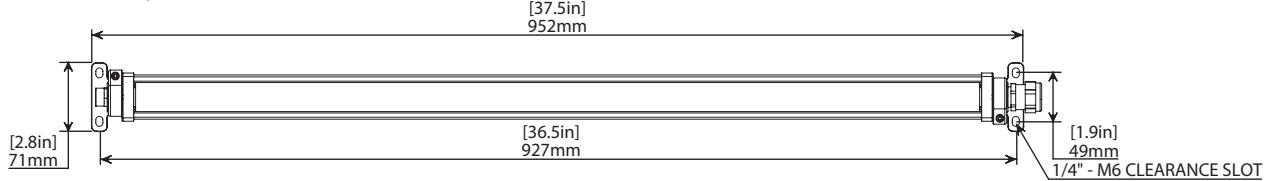
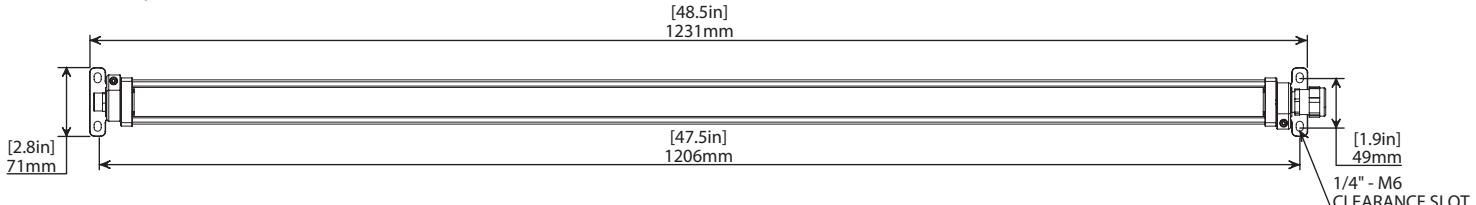
<https://nemalux.com/legal>

**OPTIC OPTIONS**


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** 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


**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 -	
<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>66</b> - IP66	<b>A</b> - Adjustable
<b>GS-2</b>					<b>24</b> - 21-28VDC		<b>B</b> - Carriage Bolt
<b>GS-3</b>					<b>24H</b> - 21-28VDC		
<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.