

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

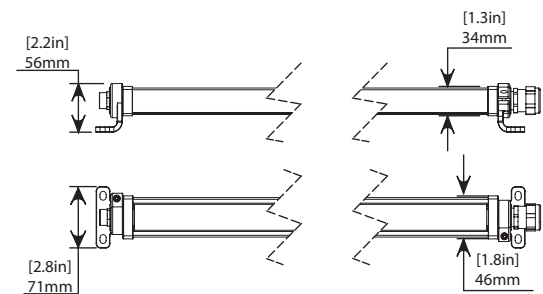


TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS





| | | | | | | | | | | | | | | | | |
|---------------------------|---|----------------------|-------------|-------------|-------------|-------------|----------------------|-------------|-------------|-------------|-------------|-----------------------|-------------|-------------|-------------|-------------|
| 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) | <table border="0"> <tr> <td>12 Models:</td> <td>GS-1: 8.4W</td> <td>GS-2: 16.8W</td> <td>GS-3: 25.2W</td> <td>GS-4: 33.6W</td> </tr> <tr> <td>24 Models:</td> <td>GS-1: 8.4W</td> <td>GS-2: 16.8W</td> <td>GS-3: 25.2W</td> <td>GS-4: 33.6W</td> </tr> <tr> <td>24H Models:</td> <td>GS-1: 16.8W</td> <td>GS-2: 33.6W</td> <td>GS-3: 47.5W</td> <td>GS-4: 64.0W</td> </tr> </table> | 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 |
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| CONNECTIONS | 0.9m (3ft) Flying Lead (Custom Lengths Available) | | | | | | | | | | | | | | | |
| DIMMING | Can be dimmed via supply pulse modulation | | | | | | | | | | | | | | | |
| TEMPERATURE RANGE | -40°C to +60°C (Case ~30°C above ambient) | | | | | | | | | | | | | | | |
| CERTIFICATIONS | Certified to UL 1598, UL 2108; CSA 22.2 No. 250.0 | | | | | | | | | | | | | | | |
| 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 > 60,500 hrs | | | | | | | | | | | | | | | |
| WEIGHT | See Page 2 for DETAILS | | | | | | | | | | | | | | | |

*The ambient temperature during lifetime, lumen and chromaticity determination is 25°C ± 1°C.

DIMENSIONS



GS Series Fixture Length:

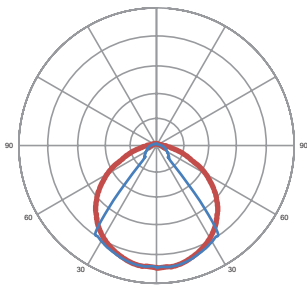
| | | |
|------|-----------------|---|
| GS-1 | 393mm [15.5in] |  |
| GS-2 | 672mm [26.5in] |  |
| GS-3 | 952mm [37.5in] |  |
| GS-4 | 1231mm [48.5in] |  |

WARRANTY

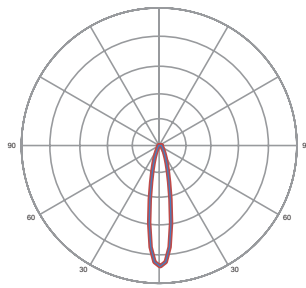
Five (5) year limited warranty to the original purchaser. The warranty covers defects in materials and workmanship under normal use and service.

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

OPTIC OPTIONS



W - Wide 100°



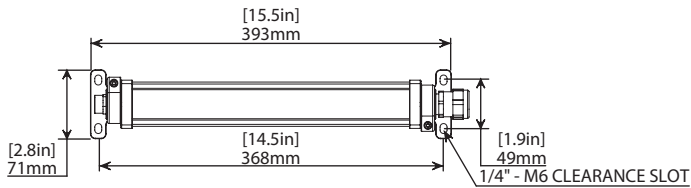
N - Narrow 30°

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

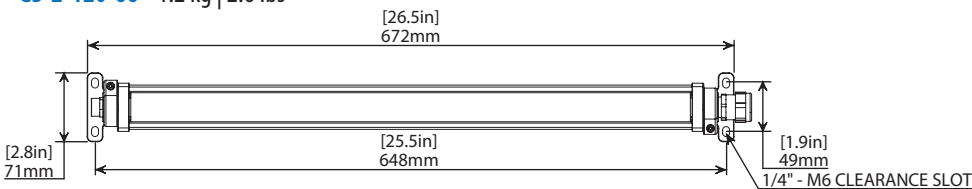
| Model | Lumens | |
|-------|--------|------|
| | 12/24 | 24H |
| GS-1 | 657 | 1281 |
| GS-2 | 1310 | 2555 |
| GS-3 | 1971 | 3843 |
| GS-4 | 2628 | 5125 |

MOUNTING DIMENSIONS

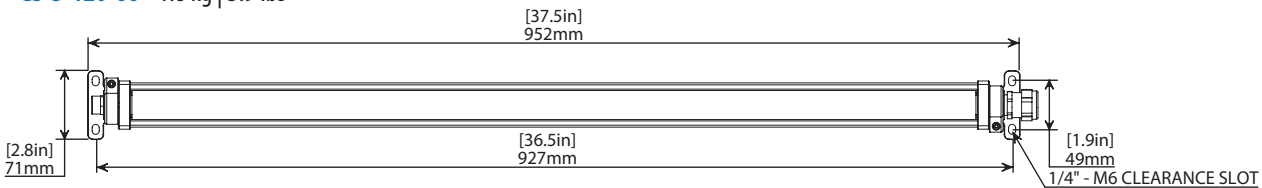
GS-1-120-66 0.8 kg | 1.8 lbs



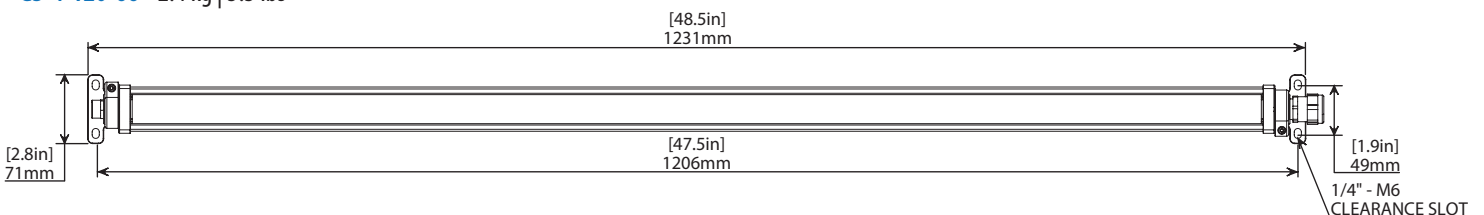
GS-2-120-66 1.2 kg | 2.6 lbs



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



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

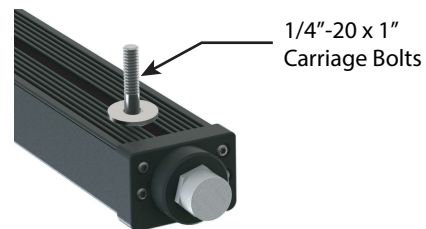


MOUNTING OPTIONS

A - ADJUSTABLE MOUNTING BRACKET



B - CARRIAGE BOLT/SURFACE MOUNT



ORDERING INFORMATION

| | | |
|------------------|--|------|
| PROJECT NAME | | TYPE |
| PROJECT LOCATION | | |
| COMMENT | | DATE |
| PREPARED BY | | |

MODEL SELECTOR

Sample Number: GS-1-50-W-BLK-0-24-66-A

| MODEL | COLOUR | OPTIC | FINISH | LOCATION | VOLTAGE | INGRESS | MOUNT |
|------------------------------|---|---|---|--------------------------|--|-------------|-------------------------------------|
| - | - | - | BLK - | 0 - | - | 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 | 0 - Ordinary Location | 12 - 12-16VDC 24 - 21-28VDC 24H - 21-28VDC | 66 - IP66 | A - Adjustable B - Carriage Bolt |

CUSTOM OPTIONS

WIRING

Other wire lengths available in 30 cm (1 ft) increments.¹

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.