## KEY FEATURES

- IP68 - Fully encapsulated and suitable for permanent submersion (up to 25ft depth)
- Marine grade aluminum alloy housing with a triple layer powdercoated finish for optimized corrosion resistance
- Provided with standard glass or special order polycarbonate lens
- Approved for marine use, outside type (saltwater)
- 0-10v dimmable power supply (class 1 wiring)
- Thermally managed for maximum longevity
- -40℃ to +60℃ operating range
- Designed for harsh locations

## TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

| | |
|---|---|
| **HOUSING** | Copper-free high pressure die-cast aluminum housing, glass or polycarbonate protective lens, stainless steel fasteners |
| **MOUNTING** | SEE PAGE 3 FOR MOUNTING OPTIONS |
| **INPUT VOLTAGE** | **AC:** 120-277 VAC \| **HV:** 347 VAC |
| **POWER (TYP)** | **JR2:** 18 W \| **JR4:** 37 W |
| **CURRENT (TYP)** | **JR2:** AC 0.15A @ 120VAC \| HV 0.07A @ 347VAC<br>**JR4:** AC 0.32A @ 120VAC \| HV 0.11A @ 347VAC |
| **CONNECTIONS** | Unless otherwise specified, luminaire supplied with 3.3 meter (10ft) 18/3 SOOW 9.3mm (0.365") diameter cord wired from side entry. 0-10V dimming is only possible if 18/5 SOOW 11.9mm (0.47") diameter cord is specified.* |
| **TEMPERATURE RANGE** | -40℃ to +60℃ |
| **CERTIFICATIONS** | Conforms to:<br>CSA C22.2 No. 250.0:21;<br>CSA C22.2 No. 250.12:20;<br>IEC 60529;<br>UL 1598, UL1598A, UL 8750; |
| **INGRESS PROTECTION** | IP68      Fully encapsulated and suitable for permanent submersion (up to 25ft depth) |
| **COLOUR TEMP RANGE** | **50**: 5,000K \| **Special Order**: 2,700-6,500K |
| **CRI VALUE (MIN)** | **50**: 70 \| Higher CRI options available for special order |
| **TOTAL LUMENS** | **JR2:** GWC - 2,299 \| **JR4:** GWC - 4,181 |
| **LUMEN MAINTENANCE** | LM-80 > 100,000 hrs** |
| **WEIGHT** | 3.28 kg \| 7.22 lbs |

*Contact us for alternative cord length, cord type, cord entry and cable gland selection.*
*\*\*The ambient temperature during lifetime, lumen and chromaticity determination is 25℃ ± 1℃.*

## DIMENSIONS



Top Entry

Default Side Entry

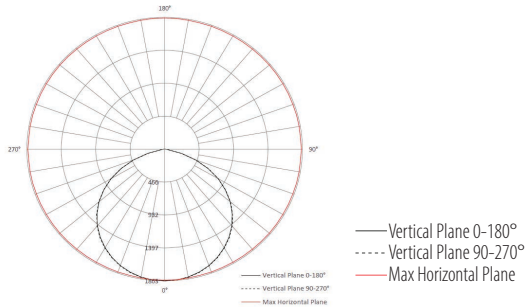[4.4in] 111mm

[7.0in] 178mm

[8.0in] 203mm
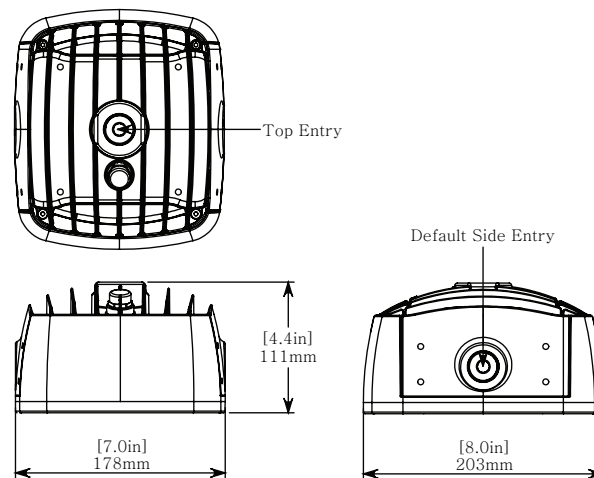
## WARRANTY

Five (5) year limited warranty to the original purchaser. The warranty covers defects in materials and workmanship under normal use and service.
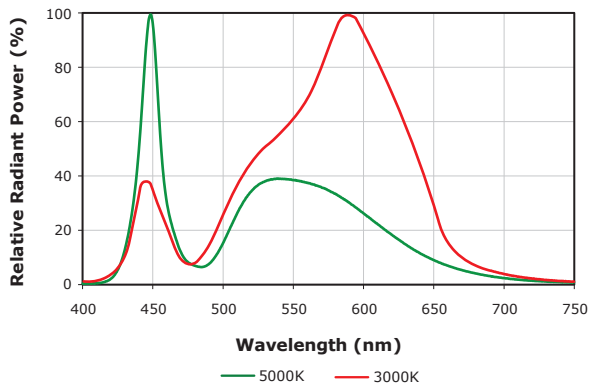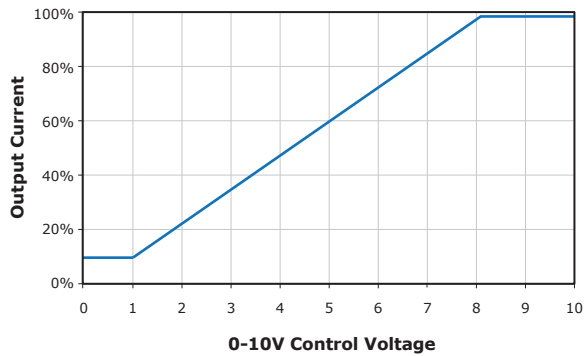
For additional information see: https://www.nemalux.com/legal

## OPTIC OPTIONS



Vertical Plane 0-180°
Vertical Plane 90-270°
Max Horizontal Plane

**GWC - Wide Beam (No Optics)**

### AC MODELS (5000K CCT, minimum)

| MODEL | LUMENS | WATTS | LUMENS/WATT |
|-------|--------|-------|-------------|
| JR2 | 2,299 | 18 | 127 |
| JR4 | 4,181 | 36 | 116 |

## PHOTOMETRICS



X-axis: Wavelength (nm)
Y-axis: Relative Radiant Power (%)

5000K    3000K

## OPTIONAL 0-10V DIMMING*
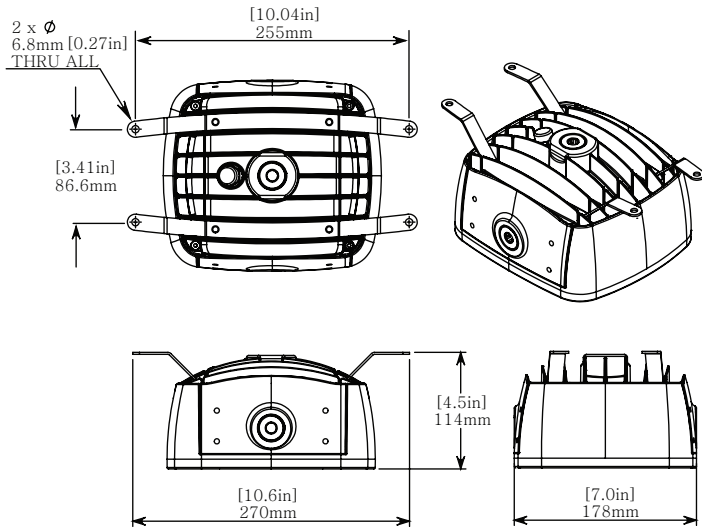


X-axis: 0-10V Control Voltage
Y-axis: Output Current

• Driver will source a maximum of 200uA for control needs
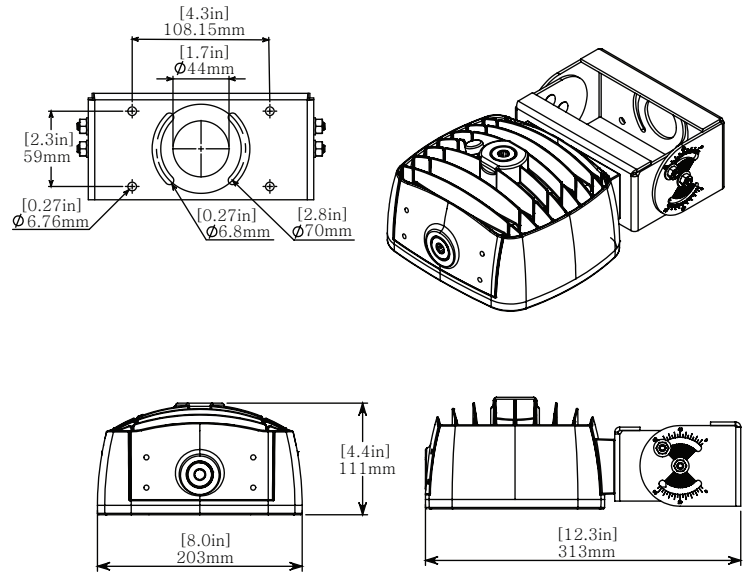• Controller must sink current from the 0-10V control leads

*Contact us to specify dimming models and cord requirements
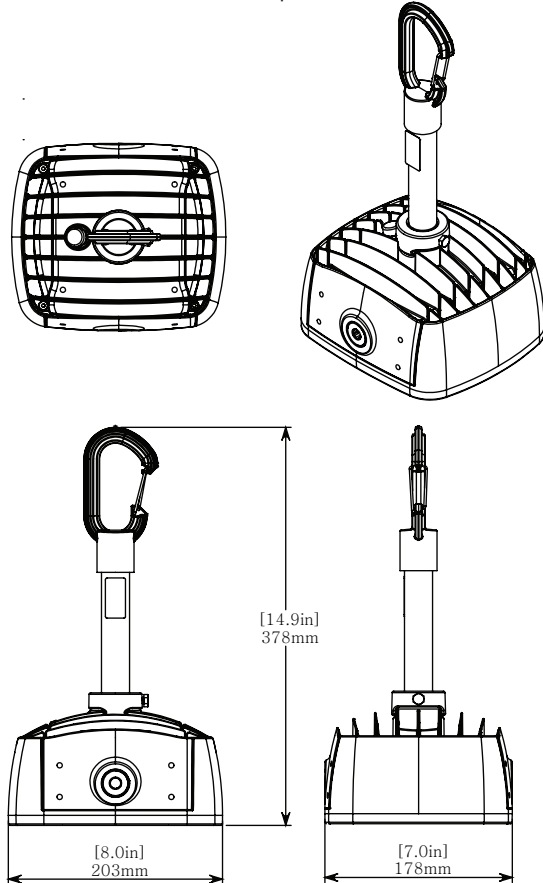
## MOUNTING OPTIONS (Order Separately)

**SURFACE MOUNT (JR-SM) :** 3.42 kg | 7.52 lbs | EPA: 0.03 m² / 0.34 ft²

2 x Ø 6.8mm [0.27in] THRU ALL

[10.04in] 255mm

[3.41in] 86.6mm

[4.5in] 114mm

[10.6in] 270mm

[7.0in] 178mm

**YOKE MOUNT (JR-YM) :** 5.08 kg | 11.18 lbs | EPA: 0.04 m² / 0.4 ft²

[4.3in] 108.15mm

[1.7in] Ø44mm

[2.3in] 59mm

[0.27in] Ø6.76mm

[0.27in] Ø6.8mm

[2.8in] Ø70mm

[4.4in] 111mm

[8.0in] 203mm

[12.3in] 313mm

**PENDANT HOOK MOUNT (JR-HK) :** 4.21 kg | 9.26 lbs

[14.9in] 378mm

[8.0in] 203mm

[7.0in] 178mm

**HIGH VIBRATION YOKE MOUNT (JR-YK) :** 4.30 kg | 9.46 lbs
EPA: 0.03 m² / 0.36 ft²

[4.3in] 108mm

[0.27in] 6.8mm

[2.3in] 59mm

[0.27in] Ø6.8mm

[2.8in] Ø70mm

90deg

[9.1in] 232mm

[8.6in] 218mm

[5.4in] 137mm

# Nemalux™

JR-EN
rev. A-3
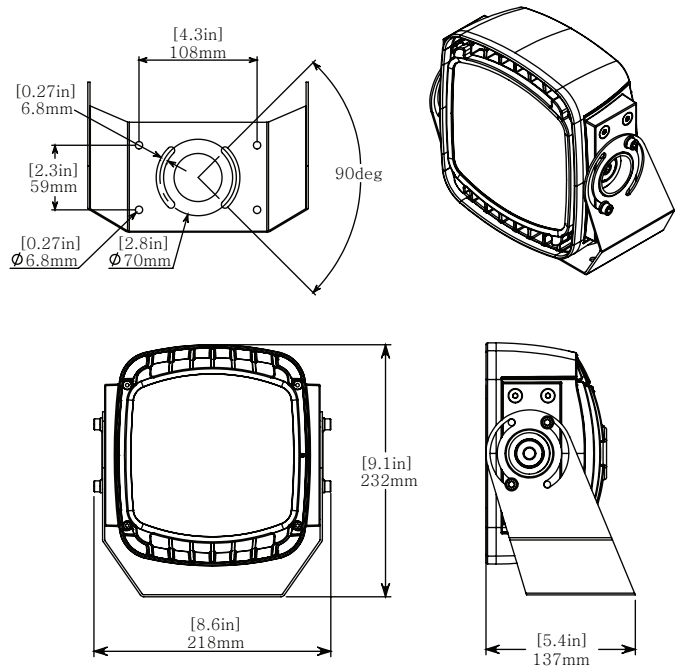
## ORDERING INFORMATION

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

## MODEL SELECTOR

**Sample Number: JR4-50-GWC-GY-EN-AC**

| MODEL | COLOUR | LENS \| OPTIC | FINISH | LOCATION | POWER |
|---|---|---|---|---|---|
| - | - | - | GY - | EN - | |
| **JR2** **JR4** | **50** - 5,000K, 70CRI<br><br>Special Order:<br>**27** - 2,700K, 70CRI[1]<br>**27H** - 2,700K, 90CRI[1]<br>**30** - 3,000K, 70CRI[1]<br>**30H** - 3,000K, 90CRI[1]<br>**35** - 3,500K, 80CRI[1]<br>**35H** - 3,500K, 90CRI[1]<br>**40** - 4,000K, 70CRI[1]<br>**40H** - 4,000K, 90CRI[1]<br>**50H** - 5,000K, 90CRI[1]<br>**57** - 5,700K, 70CRI[1]<br>**57H** - 5,700K, 90CRI[1]<br>**65** - 6,500K, 70CRI[1]<br>**65H** - 6,500K, 90CRI[1] | **GWC** - Wide Beam with Clear Glass Lens<br>**WC** - Wide Beam with Clear Polycarbonate Lens[1] | **GY** - Grey<br><br>Custom finishes available.<br>Please contact for details.[1] | **EN** - Fully Encapsulated | **AC** - 120-277VAC<br>(50/60Hz)<br>**HV** - 347VAC<br>(50/60Hz) |

## ACCESSORIES (Order Separately)

**Sample Number: JR-SM**

| ACCESSORY | FINISH |
|---|---|
| **JR-SM** - Surface/Suspended Mount[2]<br>**JR-HK** - Pendant Hook Mount<br>**JR-YM** - Yoke Mount[2]<br>**JR-YK** - High Vibration Yoke Mount[2] | **BLANK** - Stainless Steel |

**NOTES:**

*1. Minimum order quantities, additional costs and lead times may apply.*
*2. Only available in stainless steel finish.*

⁂
MADE IN CANADA    www.nemalux.com  |  sales@nemalux.com  |  Tel 403•242•7475  |  Fax 403•243•6190    **4-4**
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