

KEY FEATURES

- IP68 - Fully encapsulated and suitable for permanent submersion (up to 25ft depth)
- Copper free aluminum construction with stainless steel mounting hardware
- Two-layer TIGER-Shield® coatings for excellent corrosion resistance in Marine environments; corrosion protective primer and AAMA 2604 compliant topcoat
- Suitable for Marine locations: certified to UL 1598A
- Optional 0-10V dimming (class 1 wiring)
- Rated for wet & dry locations



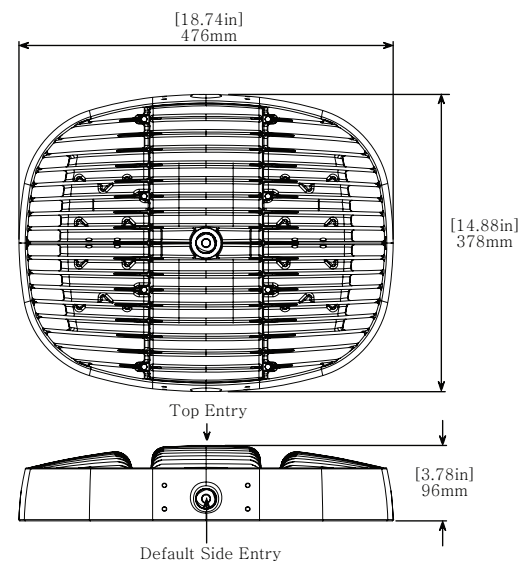
TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

HOUSING	Copper free aluminum and glass or polycarbonate lens
MOUNTING	See pages 2-3 for MOUNTING OPTIONS
INPUT VOLTAGE	AC: 120-277 VAC HV: 347-480VAC (50/60Hz)
POWER (TYP)	XR8: AC: 47W HV: 49W XR10: AC: 55W HV: 58W XR12: AC: 84W HV: 91W XR15: AC: 100W HV: 100W XR17: AC: 120W HV: 120W XR20: AC: 141W HV: 148W
CONNECTIONS	Unless otherwise specified, luminaire supplied with 3.3 meter (10ft) 18/3 S00W 9.3mm (0.365") diameter cord wired from side entry.*
DIMMING	0-10V dimming is only possible if 18/5 S00W 11.9mm (0.47") diameter cord is specified. 0-10V Dimmable, Class 1 wiring See CHART on page 2
TEMPERATURE RANGE	XR8: -50°C to +75°C XR10: -50°C to +74°C XR12: -50°C to +74°C XR15: -50°C to +67°C XR17: -50°C to +67°C XR20: -50°C to +67°C (Case ~30°C above ambient) **
CERTIFICATIONS	Certified to UL 1598 / CSA C22.2 No. 250.0-08, UL 1598A, UL 8750 / CSA C22.2 No. 250.13-17
INGRESS PROTECTION	IP68 - Fully encapsulated and suitable for permanent submersion (up to 25ft depth) and dry locations
COLOUR TEMP RANGE	50: 5000K Special Order: 2700-6500K
CRI VALUE (MIN)	70
TOTAL LUMENS	See CHART on page 2
LUMEN MAINTENANCE	LM-80 > 100,000 hrs**
WEIGHT	10.6kg 23.3lbs (polycarbonate lens) 11.2kg 24.7lbs (glass lens)

*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°C ± 1°C.

DIMENSIONS

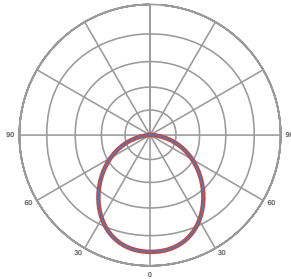


WARRANTY

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



WC / GWC - Wide Beam (No Optics)

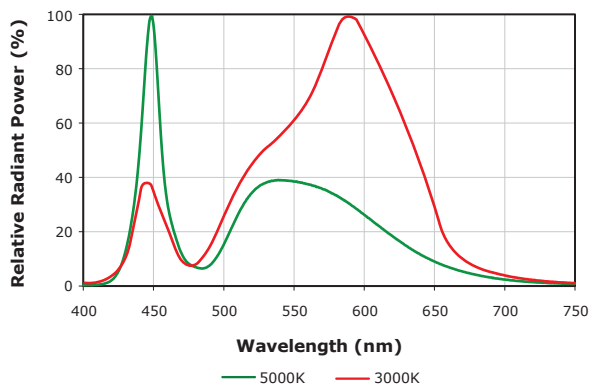
AC MODELS (5000K CCT, minimum)

MODEL	LUMENS	WATTS	LUMENS/WATT
XR8	6230	47	133
XR10	7630	55	139
XR12	10200	84	121
XR15	11036	100	110
XR17	12692	120	106
XR20	14425	141	102

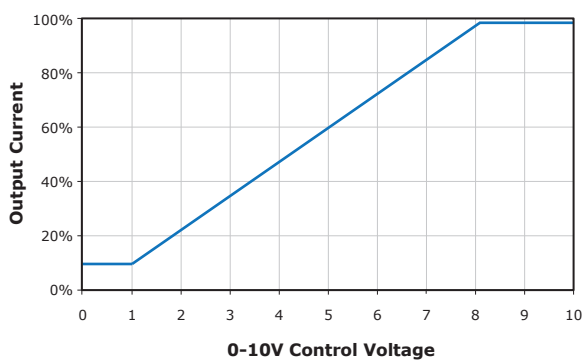
HV MODELS (5000K CCT, minimum)

MODEL	LUMENS	WATTS	LUMENS/WATT
XR8	6230	49	127
XR10	7630	58	132
XR12	10200	91	112
XR15	11036	100	110
XR17	12692	120	106
XR20	14425	148	97

PHOTOMETRICS



OPTIONAL 0-10V DIMMING*



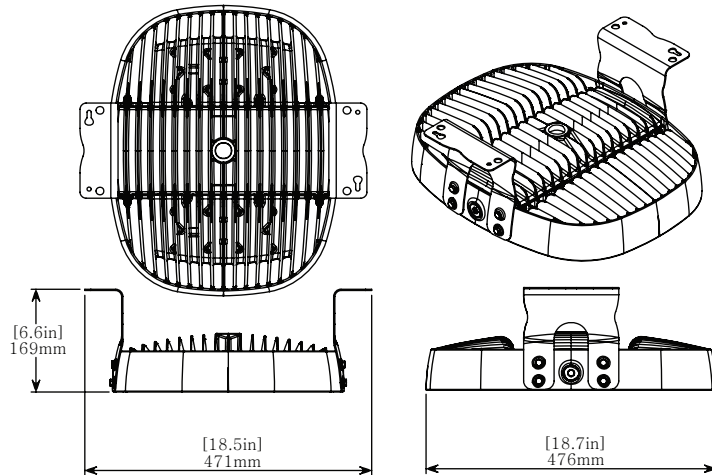
- Driver will source a maximum of 200uA for control needs
- Controller must sink current from the 0-10V control leads

*Contact us to specify dimming models and cord requirements

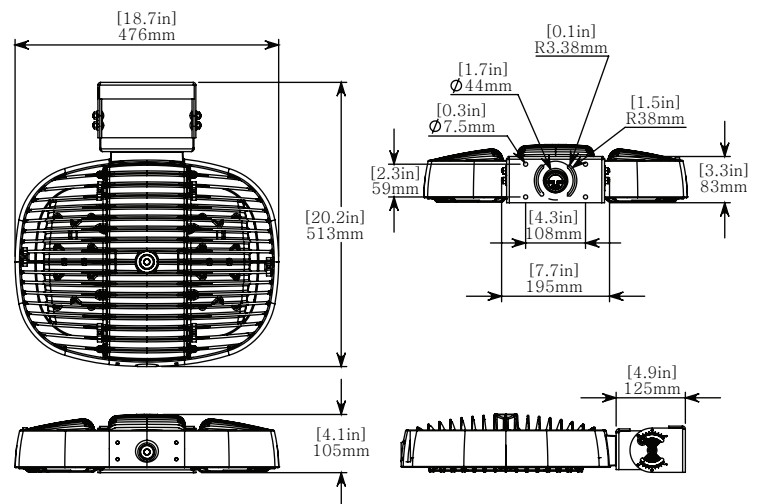
MOUNTING OPTIONS (Ordered Separately)

Listed weights are using polycarbonate lens (WC)
Add 0.6 kg | 1.3 lbs for glass lens (GWC)

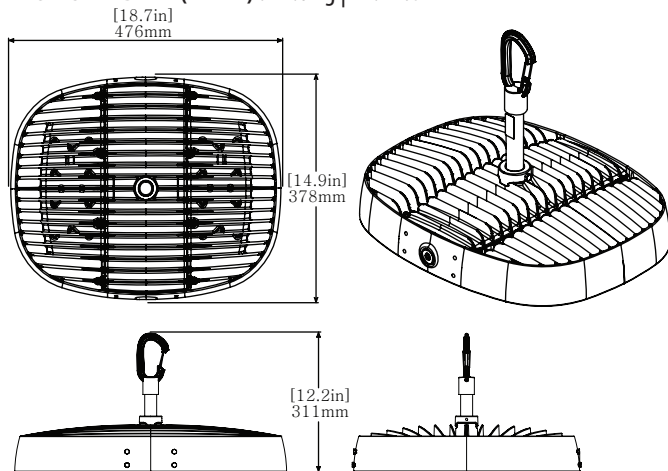
SURFACE/SUSPENDED MOUNT (XR-SM) : 11.0 kg | 24.2 lbs



YOKE MOUNT (XR-YM) : 12.2 kg | 26.9 lbs | EPA: 0.17 m² / 1.80 ft²

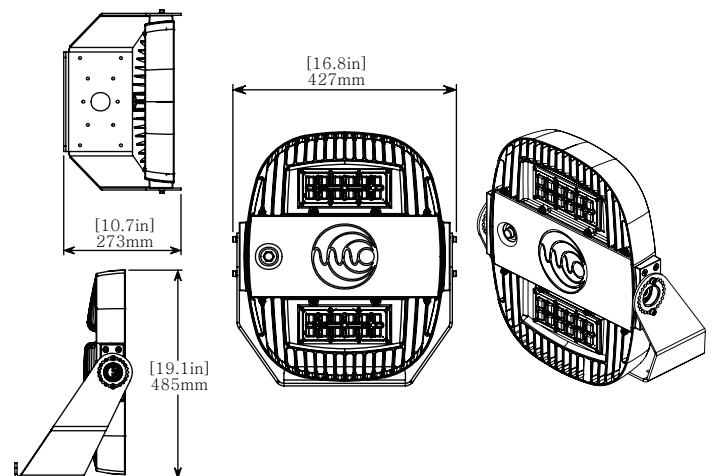


HANGING PENDANT (XR-HK) : 11.0 kg | 24.2 lbs

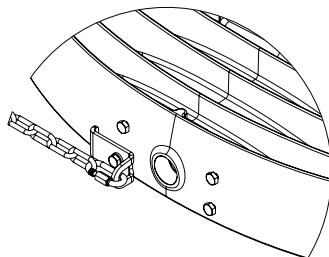


*Per NEC 314.23H2 pendant/conduit installation below 8ft (2.4m) requires the use of an anti-rotation mechanism. XR-CC accessory required. Order separately.

HIGH VIBRATION YOKE (XR-YK) : 15.4 kg | 33.8 lbs | EPA: 0.23 m² / 2.43 ft²



SECONDARY SAFETY KIT (XR-SK-##) : 10.7 kg | 23.5 lbs



represents the safety chain length in feet (i.e. 05=5', 10=10').
Secondary Safety Kit contains bracket, stainless steel chain (1/8 trade size),
and two stainless steel oval threaded connecting links.

ORDERING INFORMATION

PROJECT NAME		TYPE
PROJECT LOCATION		
COMMENT		DATE
PREPARED BY		

MODEL SELECTOR

Sample Number: XR20-50-GWC-GY-EN-AC

MODEL	COLOUR	OPTIC	FINISH	LOCATION	POWER
-	-	-	GY -	EN -	-
XR8 XR10 XR12 XR15 XR17 XR20	50 - 5000K, 70CRI Special Order: 27 - 2700K, 70CRI ^{1,3} 27H - 2700K, 90CRI ^{1,3} 30 - 3000K, 70CRI ^{1,3} 30H - 3000K, 90CRI ^{1,3} 35 - 3500K, 80CRI ¹ 35H - 3500K, 90CRI ¹ 40 - 4000K, 70CRI ¹ 40H - 4000K, 90CRI ¹ 50H - 5000K, 90CRI ¹ 57 - 5700K, 70CRI ¹ 57H - 5700K, 90CRI ¹ 65 - 6500K, 70CRI ¹ 65H - 6500K, 90CRI ¹	GWC - Wide Beam (No optics) with Clear Glass Lens WC - Wide Beam (No optics) with Frosted Polycarbonate Lens	GY - Grey Custom finishes are available. Please contact for details. ¹	EN - Fully Encapsulated	AC - 120-277VAC HV - 347-480VAC

ACCESSORIES (Order Separately)

Sample Number: XR-HK-GY

ACCESSORY	FINISH
-	GY
XR-SM - Surface/Suspended Mount ^{2,3} XR-HK - Hanging Pendant Mount ³ XR-YM - Yoke Mount ² XR-YK - High Vibration Yoke Mount ² XR-SK-## - Secondary Safety Kit ⁴ XR-SP-AC - Surge Suppressor ⁵ XR-SP-HV - Surge Suppressor ⁵	GY - Grey Custom finishes are available. Please contact for details. ¹

NOTES:

1. Minimum order quantities, additional costs and lead times may apply.
2. Only available in stainless steel finish.
3. 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.
4. ## represents the safety chain length in feet (i.e. 05=5', 10=10').
Secondary safety kit contains bracket, stainless steel chain (1/8 trade size), and two stainless steel oval threaded connecting links.
5. See surge suppressor options.

Surge Suppressor options:

XR-SP-AC – 277V FOR USE WITH -AC XR MODELS

- Protects against surges and transients per ANSI C62.41-2002 category C high (10KV, 1.2/50µs & 10KA, 8/20µs) standard Combo waves and (6KV, 100KHz) Ring wave
- Protects against surges and transients per new ANSI C82.77-5 2015 category C high (20KV, 1.2/50µs & 10KA, 8/20µs) standard Combo waves and (6KV, 100KHz) Ring wave

XR-SP-HV – 480V FOR USE WITH -HV XR MODELS

- Protects against surges and transients per ANSI C62.41-2002 category C high (10KV, 1.2/50µs & 10KA, 8/20µs) standard Combo waves and (6KV, 100KHz) Ring wave
- Protects against surges and transients per new ANSI C82.77-5 2015 category C high (20KV, 1.2/50µs & 10KA, 8/20µs) standard Combo waves and (6KV, 100KHz) Ring wave