



## KEY FEATURES

- Designed for marine, harsh, and hazardous location use
- High-output linear LED replacement for legacy vapor-tight lights
- Field serviceable light engines, power supply, and housing elements
- Copper-free, extruded aluminum housing with polycarbonate lens
- Approved for through-wiring of multiple units on a single circuit
- Angle adjustable mounting bracket allows for 360° rotation
- Built-in junction area for simplified termination

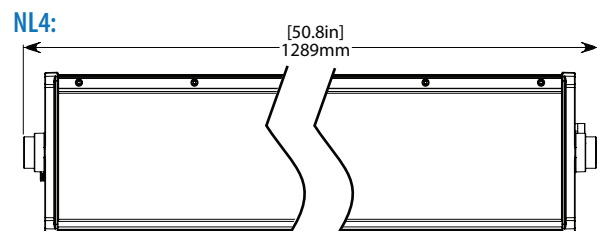
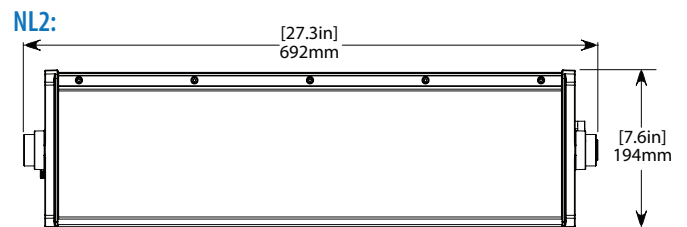
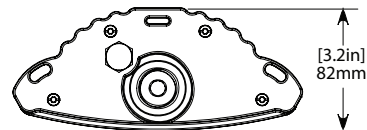


## TECHNICAL SPECIFICATIONS

<b>HOUSING</b>	Copper Free Aluminum and Polycarbonate Lens
<b>MOUNTING</b>	See Page 3 for MOUNTING OPTIONS
<b>INPUT VOLTAGE</b>	AC: 120-277 VAC   HV: 347-480 VAC
<b>RATED POWER</b>	See Page 2 for DETAILS
<b>RATED CURRENT</b>	See Page 2 for DETAILS
<b>CONNECTIONS</b>	2x 3/4" NPT Entries
<b>DIMMING</b>	0-10V Dimmable, Class 1 Wiring   See CHART on Page 2
<b>TEMPERATURE RANGE</b>	SEE PAGE 2 FOR DETAILS (Case ~30°C above ambient)
<b>CERTIFICATIONS</b>	Certified to UL 844, UL 1598, UL1598A and UL 8750; CSA 22.2 No. 137, CSA 22.2 No. 250.0 & CSA 22.2 No. 250.13; Class I, Division 2, Groups ABCD; Class II, Division 2, Groups FG; Class III; Class I, Zone 2, Groups IIC; Zone 22, Groups IIIB (See Page 2 for T-CODES)
<b>INGRESS PROTECTION</b>	IP66 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>	70
<b>TOTAL LUMENS</b>	See Page 2 for DETAILS
<b>LUMEN MAINTENANCE</b>	LM-80 > 60,600 hrs
<b>WEIGHT</b>	<b>NL2:</b> 5.3 kg (12 lb)   <b>NL4:</b> 8.6 kg (19 lb)

\* 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>

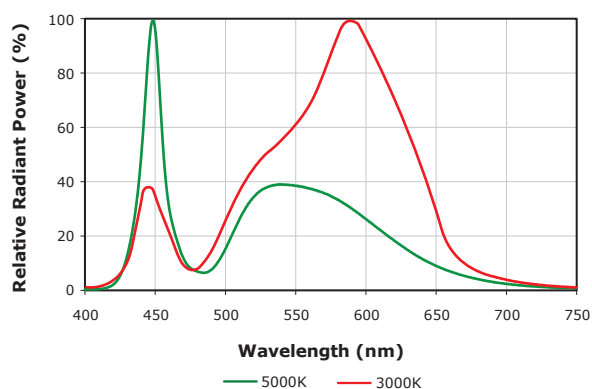
### ELECTRICAL RATINGS

MODEL	INPUT VOLTAGE	RATED WATTAGE [Watts]	RATED VOLTAGE [Volts]	FREQUENCY [Hz]	AMBIENT TEMP. RANGE [°C]	TOTAL LUMENS	T-CODES (Class I Division 2)	T-CODES (Class II Division 2)
NL2S	AC	36	120-277	50/60	-40 to 50	3,970	T4A	T4
	HV	36	347-480	50/60	-40 to 49	3,970	T4A	T4
NL2H	AC	52	120-277	50/60	-40 to 50	5,143	T4A	T4
	HV	52	347-480	50/60	-40 to 49	5,143	T4A	T4
NL2X	AC	70	120-277	50/60	-40 to 42	7,965	T4	T4
	HV	82	347-480	50/60	-40 to 41	7,965	T4	T4A
NL4S	AC	85	120-277	50/60	-40 to 50	8,697	T4A	T4A
	HV	90	347-480	50/60	-40 to 49	8,697	T4A	T4A
NL4H	AC	105	120-277	50/60	-40 to 45	10,470	T4A	T4A
	HV	109	347-480	50/60	-40 to 45	10,470	T4A	T4A

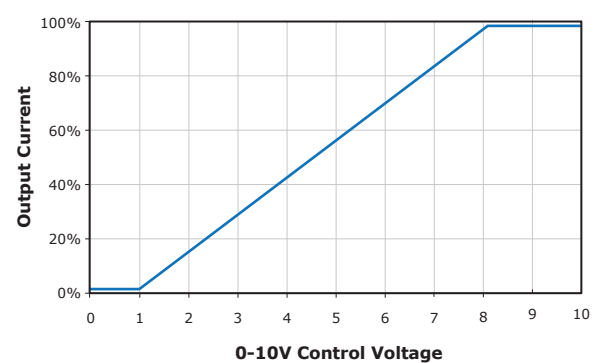
### FIXTURE COMPARISON

Size: Length: Rating: Lamp Quantity: Est. Power: Est. Lumens LED Cross: Lumens		T12				T8				T5					
		4 foot		8 foot		4 foot		8 foot		4 foot					
		Standard	4-Lamp	Standard	High Output	Standard	High Output	Standard	High Output	Standard	High Output	Standard	High Output		
		2-Lamp	4-Lamp	2-Lamp	2-Lamp	2-Lamp	4-Lamp	6-Lamp	2-Lamp	2-Lamp	2-Lamp	2-Lamp	4-Lamp	6-Lamp	2-Lamp
		74	133	158	237	62	112	184	86	112	153	59	118	117	120
		3,200	6,400	6,000	8,100	3,200	6,400	8,600	4,300	8,800	9,100	3,200	6,400	9,600	6,600
NL2-S	3,970	X				X			X			X			
NL2-H	5,143			X											
NL2-X	7,965		X		X		X						X		X
NL4-S	8,697		X		X		X	X		X			X		X
NL4-H	10,470									X			X		

### PHOTOMETRICS



### DIMMING



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

### MOUNTING OPTIONS (Ordered Separately)

**SURFACE MOUNT (Optional)**

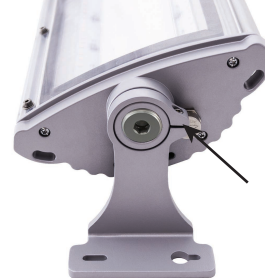


**SUSPENDED MOUNT**



*Two 6.5mm x 10 mm slots on each end for suspension hardware (not provided).*

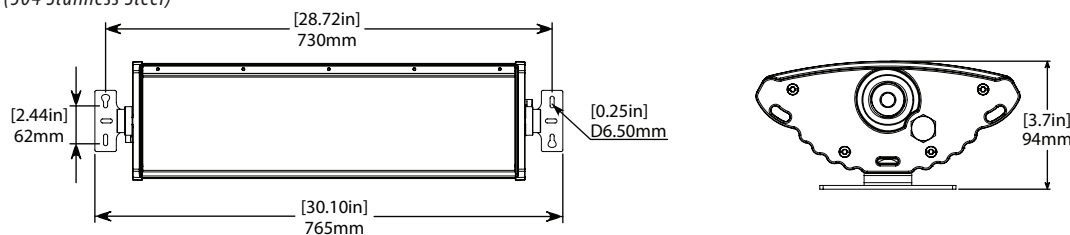
**ANGLE ADJUSTABLE MOUNT (Optional)**



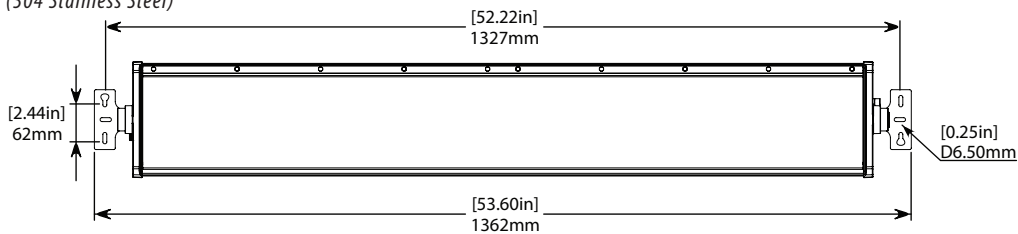
*Easy field 360° angle adjustment with 3mm Hex Key.*

### MOUNTING DIMENSIONS

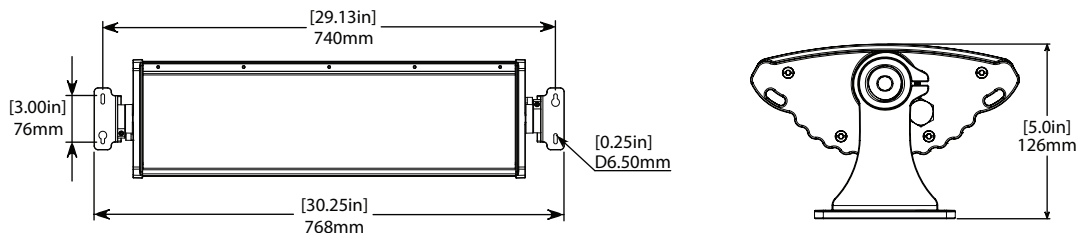
**NL2 - SURFACE MOUNT : 5.3 kg | 12.0 lbs (Optional Accessory)**  
(304 Stainless Steel)



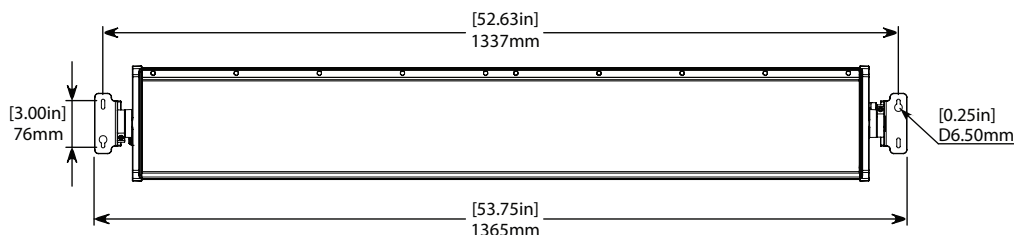
**NL4 - SURFACE MOUNT : 8.6 kg | 19.0 lbs (Included Standard)**  
(304 Stainless Steel)



**NL2 - ANGLE ADJUSTABLE MOUNT (NL-AM) : 5.3 kg | 12.0 lbs (Optional Accessory)**



**NL4 - ANGLE ADJUSTABLE MOUNT (NL-AM) : 8.6 kg | 19.0 lbs (Optional Accessory)**



## ORDERING INFORMATION

PROJECT NAME		TYPE
PROJECT LOCATION		
COMMENT		DATE
PREPARED BY		

## MODEL SELECTOR

Sample Number: NL2-X-50-WC-GY-HZ-AC

MODEL	OUTPUT	COLOUR	OPTIC	FINISH	LOCATION	POWER
-	-	-	<b>WC</b> -	<b>GY</b> -	<b>HZ</b> -	
<b>NL2</b> <b>NL4</b>	<b>S</b> - Standard <b>H</b> - High Output <b>X</b> - Extra High Output <sup>2</sup>	<b>50</b> - Cool White (5000K)  Special Order: <b>27</b> - 2700K <sup>1</sup> <b>30</b> - 3000K <sup>1</sup> <b>35</b> - 3500K <sup>1</sup> <b>40</b> - 4000K <sup>1</sup> <b>57</b> - 5700K <sup>1</sup> <b>65</b> - 6500K <sup>1</sup>	<b>WC</b> - Wide Clear  Special Order: <b>WF</b> - Wide Frosted	<b>GY</b> - Grey  Custom finishes are available. Please contact for details. <sup>1</sup>	<b>HZ</b> - Hazardous Locations	<b>AC</b> - 120-277VAC <b>HV</b> - 347-480VAC

## ACCESSORIES (Ordered Separately)

Sample Number: NL-AM-GY

ACCESSORY	FINISH
-	
<b>NL-SM</b> - Surface Mount <b>NL-AM</b> - Angle Adj. Mount	<b>GY</b> - Grey  Custom finishes are available. Please contact for details. <sup>1,4</sup>

### NOTES:

1. Minimum order quantities, additional costs and lead times may apply. Custom finishes only available in NL-AM.
2. Extra High Output is only available for NL2.