Nemalux™

NL-HZ
rev. A2

KEY FEATURES

- Designed for marine, harsh, and hazardous location use
- High-output linear LED replacement for legacy vapor-tight lights
- 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

ABS TYPE APPROVED PRODUCT

UL CERTIFIED

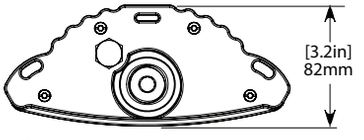
SAFETY US·CA
MARINE US
E477829

TECHNICAL SPECIFICATIONS

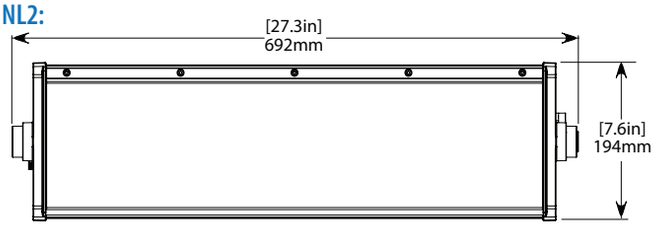
HOUSING	Copper Free Aluminum and Polycarbonate Lens
MOUNTING	See Page 3 for MOUNTING OPTIONS
INPUT VOLTAGE	**AC:** 120-277 VAC | **HV:** 347-480 VAC
RATED POWER	See Page 2 for DETAILS
RATED CURRENT	See Page 2 for DETAILS
CONNECTIONS	2x 3/4" NPT Entries
DIMMING	0-10V Dimmable, Class 1 Wiring | See CHART on Page 2
TEMPERATURE RANGE	SEE PAGE 2 FOR DETAILS (Case ~30°C above ambient)
CERTIFICATIONS	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)
INGRESS PROTECTION	IP66 Suitable for wet locations. Marine Outside type (Salt water).
COLOR TEMP RANGE	**50**: 5000K | **Special Order**: 2700-6500K
CRI VALUE (MIN)	70
TOTAL LUMENS	See Page 2 for DETAILS
LUMEN MAINTENANCE	LM-80 > 60,600 hrs
WEIGHT	**NL2**: 5.3 kg (12 lb) | **NL4**: 8.6 kg (19 lb)

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

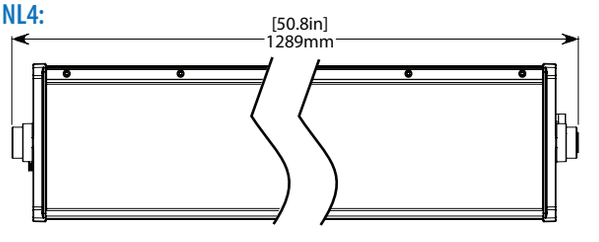
DIMENSIONS



NL2:



NL4:



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

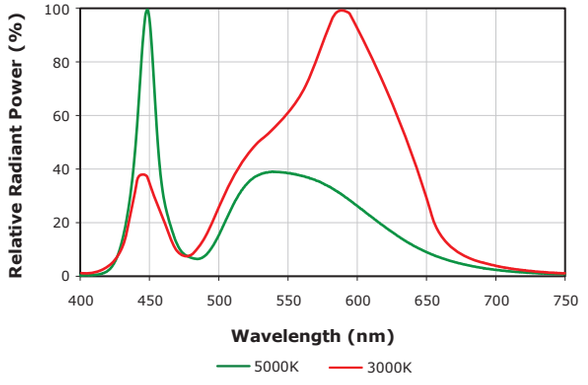
ELECTRICAL RATINGS

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

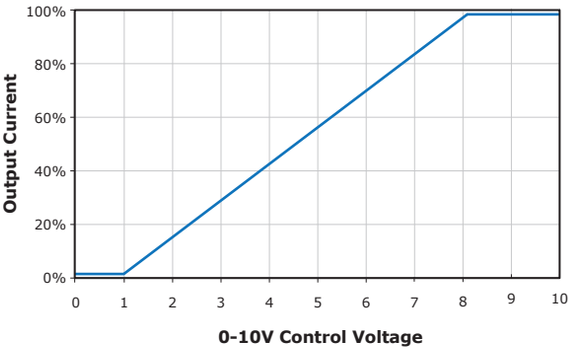
FIXTURE COMPARISON

Size:		T12				T8						T5			
Length:		4 foot		8 foot		4 foot				8 foot		4 foot			
Rating:		*Standard*		*Standard*	*High Output*	*Standard*			*High Output*	*Standard*	*High Output*	*Standard*			*High Output*
Lamp Quantity:		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
Est. Power:		74	133	158	237	62	112	184	86	112	153	59	118	117	120
Est. Lumens LED Cross:		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
	Lumens														
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

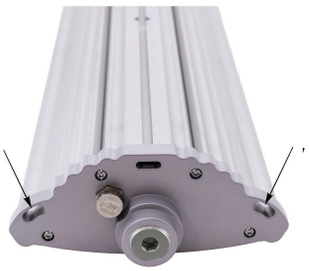


- *Driver will source a maximum of 200uA for control needs*
- *Controller must sink current from the 0-10V control leads*

MOUNTING OPTIONS (Ordered Separately)

SURFACE MOUNT (Optional)

SUSPENDED MOUNT



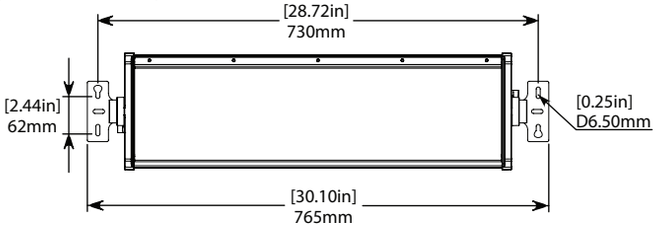
Two 6.5mm x 10 mm slots on each end for suspension hardware (not provided).

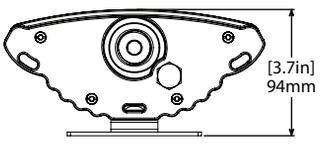
ANGLE ADJUSTABLE MOUNT (Optional)

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

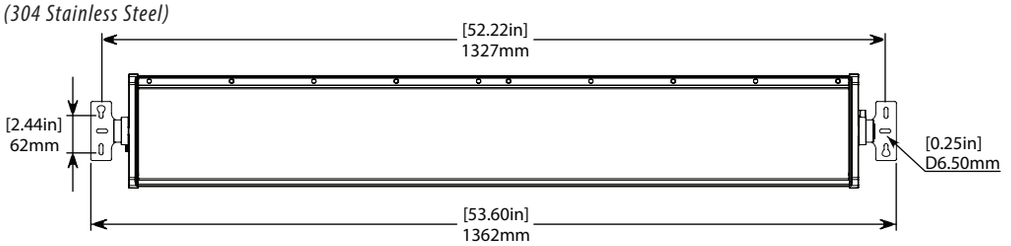
MOUNTING DIMENSIONS

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

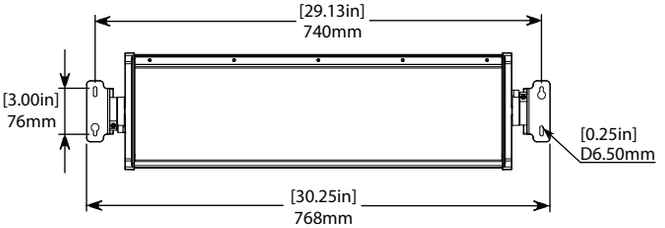


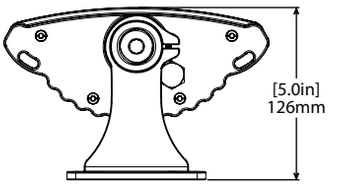


NL4 - SURFACE MOUNT : 8.6 kg | 19.0 lbs (Included Standard)
(304 Stainless Steel)

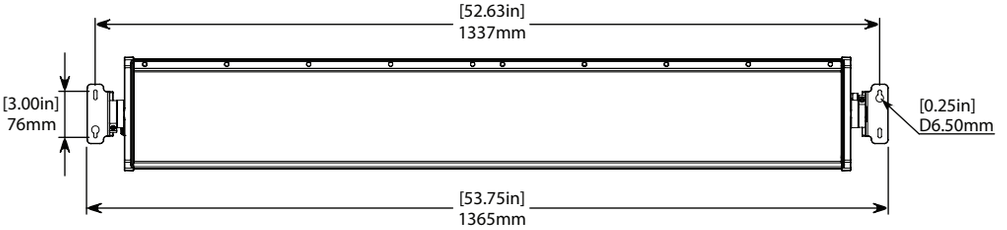


NL2 - ANGLE ADJUSTABLE MOUNT (NL-AM) : 5.3 kg | 12.0 lbs (Optional Accessory)





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-GN-AC

MODEL	OUTPUT	CCT	OPTIC	FINISH	LOCATION	POWER
-	-	-	WC -	GY -	HZ -	
NL2 **NL4**	**S** - Standard **H** - High Output **X** - Extra High Output[2]	**30** - 3,000K **40** - 4,000K **50** - 5,000K Custom CCT options are available. Please contact for details.[1]	**WC** - Wide Clear Special Order: **WF** - Wide Frosted	**GY** - Grey Custom finishes are available. Please contact for details.[1]	**HZ** - Hazardous Location	**AC** - 120-277VAC **HV** - 347-480VAC

ACCESSORIES (Ordered Separately)

Sample Number: NL-AM-GY

ACCESSORY
NL-SM - NL Series; Surface Mount **NL-AM-GY** - NL Series; Angle Adjustable Mount; Grey Finish

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.*