Nemalux™

NL-GN
rev. A2

KEY FEATURES

- Designed for marine and industrial applications
- 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

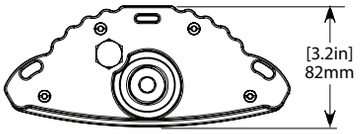
SAFETY US·CA
MARINE US
E477827

TECHNICAL SPECIFICATIONS

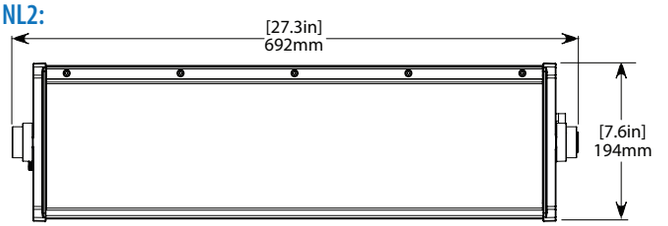
HOUSING	Copper Free Aluminum and Polycarbonate Lens
MOUNTING	See Page 3 for MOUNTING OPTIONS
INPUT VOLTAGE	**AC & BB:** 120-277 VAC | **HV:** 347-480 VAC
RATED POWER	See Page 2 for DETAILS
RATED CURRENT	See Page 2 for DETAILS
CONNECTIONS	2x 3/4" NPT Entries
DIMMING	0-10V Dimmable, Class 1 Wiring | See CHART on Page 2
TEMPERATURE RANGE	SEE PAGE 2 FOR DETAILS (Case ~30°C above ambient)
CERTIFICATIONS	Certified to UL 1598, UL 1598A & UL 8750; CSA 22.2 No. 250.0; CSA 22.2 No. 250.13
INGRESS PROTECTION	IP66 Suitable for wet locations. Marine Outside Type (Salt water).
COLOR TEMP RANGE	**50**: 5,000K | **Special Order**: 2,700-6,500K
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.*

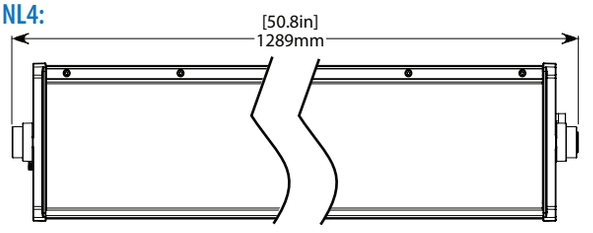
DIMENSIONS



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

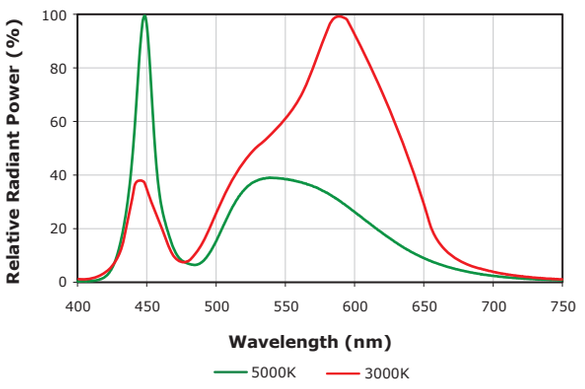
ELECTRICAL RATINGS

MODEL	INPUT VOLTAGE	RATED WATTAGE [Watts]	RATED VOLTAGE [Volts]	FREQUENCY [Hz]	AMBIENT TEMP. RANGE [°C]	TOTAL LUMENS
NL2S	AC	36	120-277	50/60	-40 to 50	3,970
	BB	36	120-277	50/60	0 to 50	3,970
	HV	36	347-480	50/60	-40 to 50	3,970
NL2H	AC	52	120-277	50/60	-40 to 53	5,143
	BB	52	120-277	50/60	0 to 50	5,143
	HV	52	347-480	50/60	-40 to 53	5,143
NL2X	AC	69	120-277	50/60	-40 to 50	7,965
	HV	69	347-480	50/60	-40 to 50	7,965
NL4S	AC	85	120-277	50/60	-40 to 50	8,697
	BB	85	120-277	50/60	0 to 50	8,697
	HV	85	347-480	50/60	-40 to 50	8,697
NL4H	AC	105	120-277	50/60	-40 to 45	10,470
	HV	105	347-480	50/60	-40 to 45	10,470
NL4X	AC	135	120-277	50/60	-40 to 35	14,313
	HV	135	347-480	50/60	-40 to 35	14,313

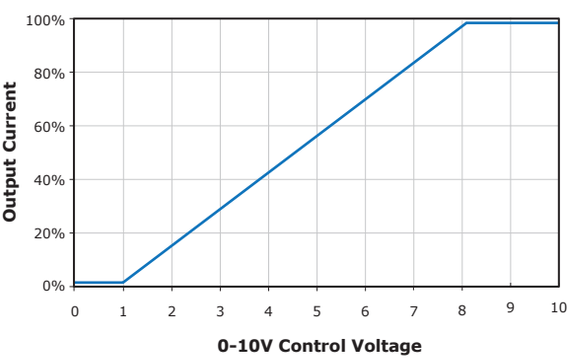
FIXTURE COMPARISON

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	4-Lamp
Est. Power:		74	133	158	237	62	112	184	86	112	153	59	118	117	120	240
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	13,200
	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		
NL4-X	14,313															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).

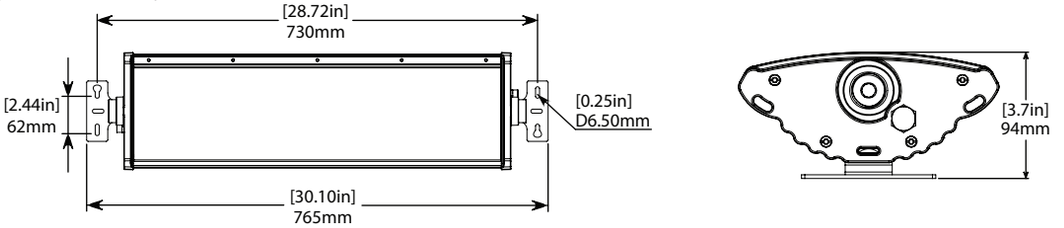
ANGLE ADJUSTABLE MOUNT (Optional)

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

MOUNTING DIMENSIONS

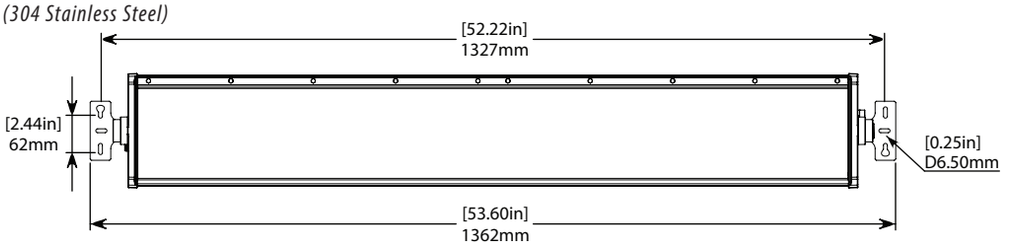
NL2 - SURFACE MOUNT : 5.3 kg | 12.0 lbs (Optional Accessory)

(304 Stainless Steel)

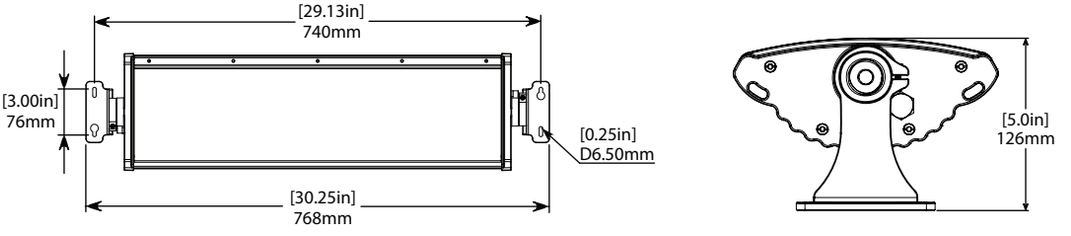


NL4 - SURFACE MOUNT : 8.6 kg | 19.0 lbs (Included Standard)

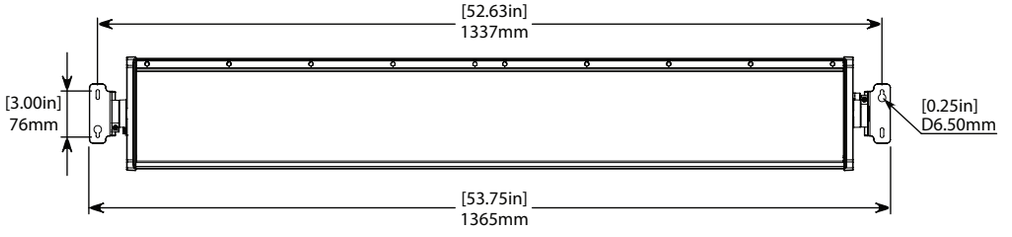
(304 Stainless Steel)



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 -	GN -	
NL2 **NL4**	**S** - Standard **H** - High Output[2] **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]	**GN** - General Location	**AC** - 120-277VAC **BB** - 120-277VAC w/ Battery Back-up[2,3] **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.*
2. *Battery Backup (BB)*
   - *NL2S - 20% 90 min*
   - *NL2H - 15% 90 min*
   - *NL4S - 10% 90 min*
   - *Not available on NL2-X, NL4-H, NL4-X*
3. *BB details*
   - *Input Current: 0.07 A*
   - *Input Wattage: 4 W*
   - *Recharge Time: 24 – 48 Hrs.*