

# SPARTAN SPZ-NL

## Hazardous Location LED NL Linear



### Key Features

- Designed for industrial and hazardous locations
- 100% field serviceable for components and sub assemblies
- Minimum CRI of 70
- Field angle adjustment with optional swivel mount
- Surface or Suspension mounting
- End-to-end wiring installation
- Multiple light output options to replace fluorescent fixtures
- -40 to +55°C operating range (See spec sheet for more details)
- IP66 vented enclosure eliminates pressure differentials for reliable sealing
- 0-10V Dimming 1%-100%

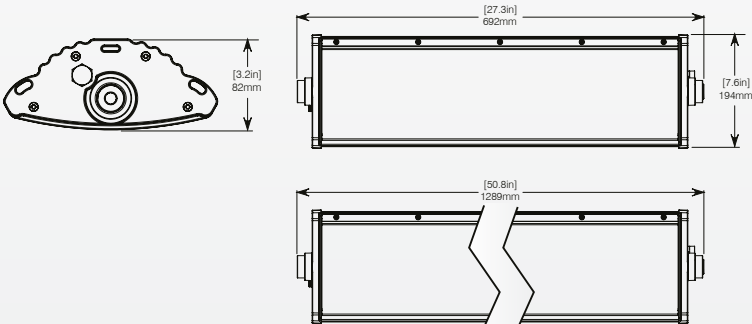


### Technical Specifications / Maximum Ratings

HOUSING	Powder Coated Aluminum
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	3/4 NPT, Both ends
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; Class I, Zone 22, Groups IIIB (SEE PAGE 2 FOR T-CODES)
INGRESS PROTECTION	IP66 Suitable for wet locations. Marine Outside type (Salt water).
COLOUR 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



### Warranty

Five (5) year limited warranty to the original purchaser. The warranty covers defects in materials and workmanship under normal use and service.

Please contact Raytec for more information.

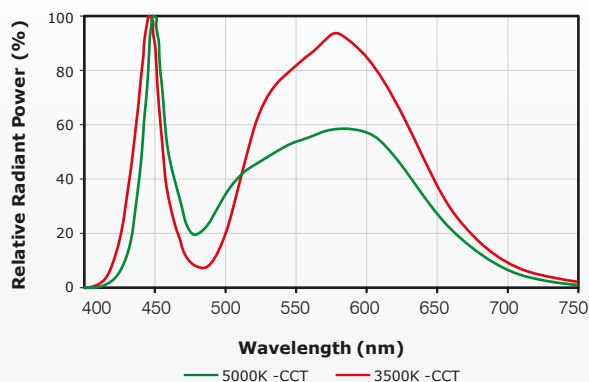
## Electrical Ratings

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 55	3,970	T4A	T4
	HV	36	347-480	50/60	-40 to 54	3,970	T4A	T4
NL2H	AC	52	120-277	50/60	-40 to 55	5,143	T4A	T4
	HV	52	347-480	50/60	-40 to 54	5,143	T4A	T4
NL2X	AC	70	120-277	50/60	-40 to 52	7,965	T5	T4
	HV	82	347-480	50/60	-40 to 46	7,965	T5	T4A
NL4S	AC	85	120-277	50/60	-40 to 55	8,697	T4A	T4A
	HV	90	347-480	50/60	-40 to 54	8,697	T4A	T4A
NL4H	AC	105	120-277	50/60	-40 to 54	10,470	T4A	T4A
	HV	109	347-480	50/60	-40 to 52	10,470	T4A	T4A

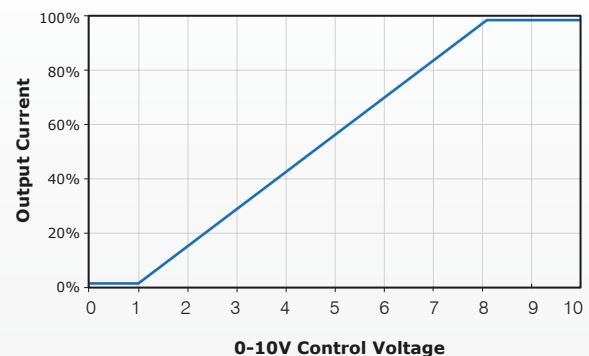
## Fixture Comparison

Size: Length: Rating: Lamp Quantity: Est. Power: Est. Lumens LED Cross:	T12				T8						T5			
	4 foot		8 foot		4 foot				8 foot		4 foot			
	Standard		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	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
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).

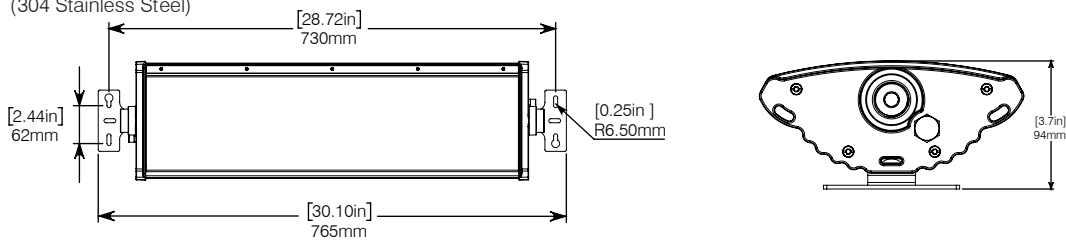
Angle Adjustable Mount (Optional)



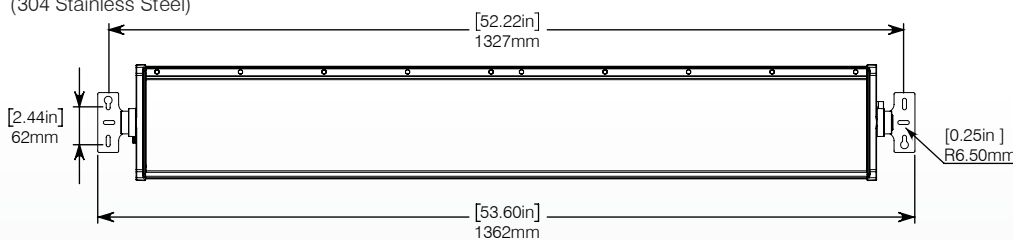
Angle Adjustable Easy field 360° angle adjustment with 3mm Hex Key.

## Mounting Dimensions

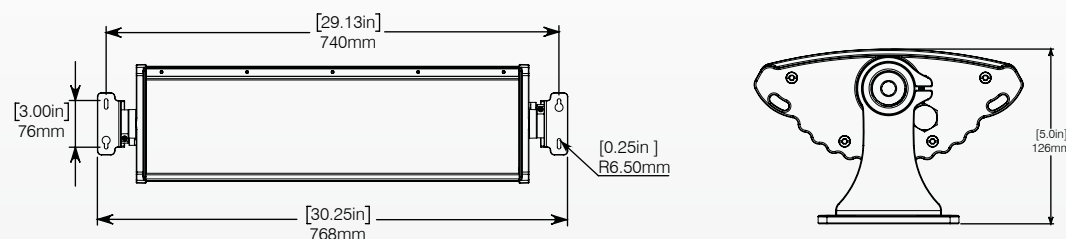
NL2 - SURFACE MOUNT : 5.3 kg | 12.0 lbs (Included Standard)  
(304 Stainless Steel)



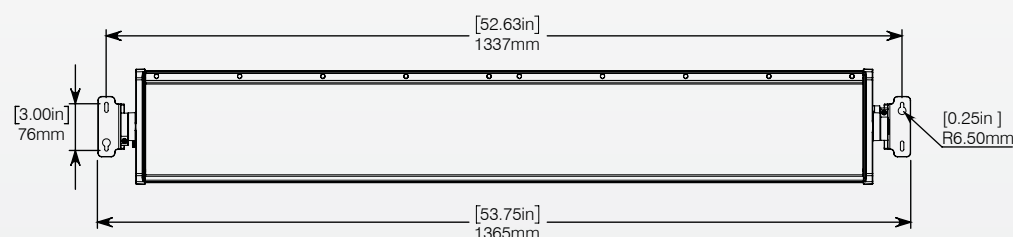
NL4 - SURFACE MOUNT : 8.6 kg | 19.0 lbs (Included Standard)  
(304 Stainless Steel)



NL2 - ANGLE ADJUSTABLE MOUNT (SPX-BKT-NL-AM) : 5.3 kg | 12.0 lbs



NL4 - ANGLE ADJUSTABLE MOUNT (SPX-BKT-NL-AM) : 8.6 kg | 19.0 lbs



## Product Code Builder

Example Order Reference: SPZ-NL2-S-50-WC-GY-HZ-AC

Classification*	Model	Output	Colour Temp*	Optics	Finish	Location	Input Power
SPZ	NL2	S – Standard	50 – Cool White	WC – Wide Clear	GY - Grey	HZ – Hazardous Location	AC – 120-277VAC
	NL4	H – High Output					HV – 347-480VAC
		X – Extra High Output (NL2 Only)					

\*Industrial variants available

\*Other options available

\*Custom available

## Accessories (Sold Separately)

Accessory	Part Number
Surface Mount	SPX-BKT-NL-SM-GY
Angle Adj. Mount	SPX-BKT-NL-AM-GY

Bespoke colour options available, contact Raytec.

### NOTES:

1. Minimum order quantities, additional costs and lead times may apply.
2. Extra High Output is only available for NL2.