

SPARTAN SPZ-AR

Hazardous Location LED AR Bay Light

Key Features

- Certified for Hazardous Locations, extremewater resistance, and corrosion protection for marine applications
- 100% field serviceable
- Certified for use in Marine Locations (UL 1598A & ABS)
- Available with multiple distribution patterns
- Thermally managed for maximum longevity
- Multiple mounting options
- Special powder coating for extreme resistance to chemical attack, aggressive cleaning agents and bio-cides used in food processing industries
- Low surface-energy coating and smooth surface texture prevent debris build-up and staining
- IDA Dark Sky Approved to protect the night time environment and reduce light pollution
- 90+ CRI available

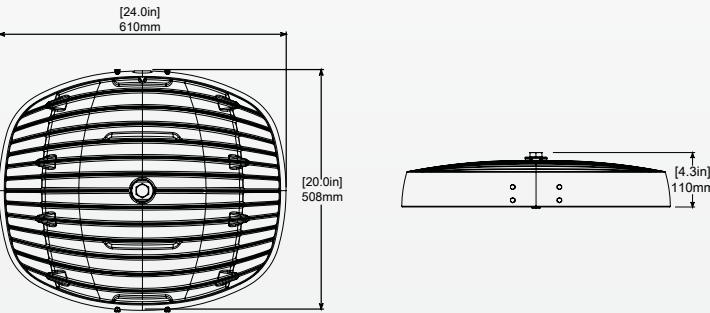


Technical Specifications / Maximum Ratings

HOUSING	Die-cast Aluminium with Polycarbonate Lens
MOUNTING	SEE PAGE 3 FOR ADDITIONAL MOUNTING OPTIONS
INPUT VOLTAGE	AC: 120-277VAC HV: 347-480VAC (50/60Hz)
POWER (TYP)	SEE CHART ON PAGE 2
CURRENT (TYP)	SEE CHART ON PAGE 2
CONNECTIONS	2x 3/4" NPT
TEMPERATURE RANGE	SEE CHART ON PAGE 4
CERTIFICATIONS	Certified to UL 844, UL 8750, CSA 22.2 No. 137, CSA 22.2 No. 250.0, CSA 22.2 No. 250.13; NSF-2: Splash and Non-Food Zones 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
INGRESS PROTECTION	IP66/67 Suitable for wet locations. Marine Outside type (Salt water).
COLOUR TEMP RANGE	50: 5000k Special Order: 90+
CRI VALUE (MIN)	50: 70
TOTAL LUMENS	SEE CHART ON PAGE 2
LUMEN MAINTENANCE	LM-80 > 100,000 hrs (Based on CREE long term testing)
WEIGHT	16.4 kg 36 lbs

* 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.

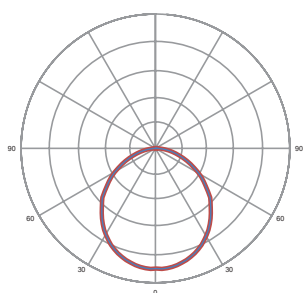
Please contact Raytec for more information.

Electrical Ratings

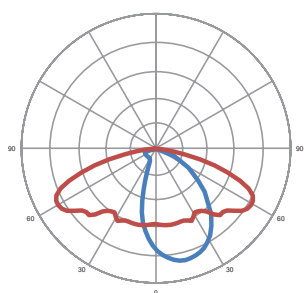
AC - UNIVERSAL INPUT MODELS							
MODEL	RATED VOLTAGE [Volts]	FREQUENCY [Hz]	RATED WATTAGE [Watts]	TYPICAL WATTAGE - FLOOD MODELS [No optics]		TYPICAL WATTAGE - OPTIC MODELS [Watts]	
				@ 120 VAC	@ 277 VAC	@ 120 VAC	@ 277 VAC
AR10	120-277	50/60	107	88.8	91.8	96.9	99.2
AR15	120-277	50/60	145	119.5	121.6	130.0	131.7
AR20	120-277	50/60	190	156.3	157.0	170.0	170.6
AR25	120-277	50/60	247	209.7	208.1	224.9	222.7
AR30	120-277	50/60	312	277.7	274.4	297.0	292.9

HV - HIGH VOLTAGE INPUT MODELS							
MODEL	RATED VOLTAGE [Volts]	FREQUENCY [Hz]	RATED WATTAGE [Watts]	TYPICAL WATTAGE - FLOOD MODELS [No optics]		TYPICAL WATTAGE - OPTIC MODELS [Watts]	
				@ 347 VAC	@ 480 VAC	@ 347 VAC	@ 480 VAC
AR10	347-480	50/60	129	113.0	118.3	121.9	127.0
AR15	347-480	50/60	145	135.6	140.6	145.7	150.6
AR20	347-480	50/60	187	171.5	193.8	180.5	183.3
AR25	347-480	50/60	248	224.6	228.4	238.3	241.9
AR30	347-480	50/60	310	287.3	289.5	297.6	297.4

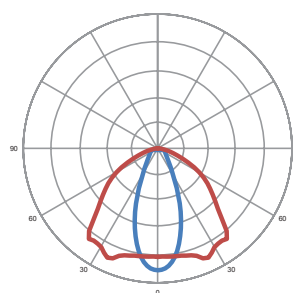
Optic Options



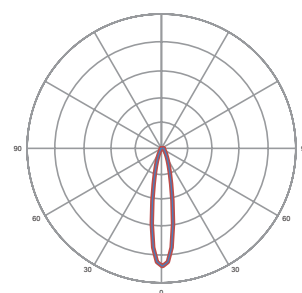
WC - Wide Beam (no optics)



T2 - IESNA Type 2



OC - Oval 26° x 108°



SC - Spot 18°

MODEL	LUMENS	LUMENS/WATT
AR10	12270	140
AR15	16490	140
AR20	20730	134
AR25	26610	129
AR30	33190	121

MODEL	LUMENS	LUMENS/WATT
AR10	12370	132
AR15	16340	130
AR20	20560	125
AR25	26090	117
AR30	31670	109

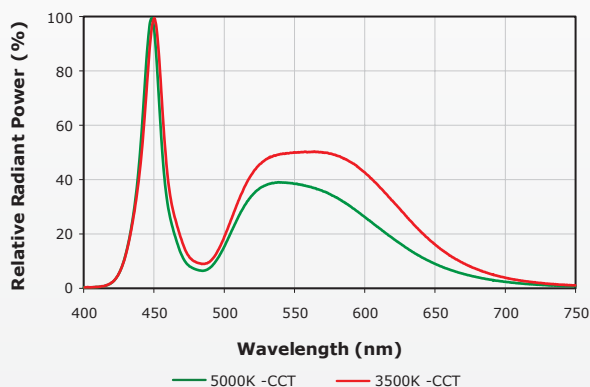
MODEL	LUMENS	LUMENS/WATT
AR10	12260	127
AR15	16200	127
AR20	20380	124
AR25	25860	119
AR30	31400	109

MODEL	LUMENS	LUMENS/WATT
AR10	12330	128
AR15	16290	128
AR20	20500	125
AR25	26020	119
AR30	31590	110

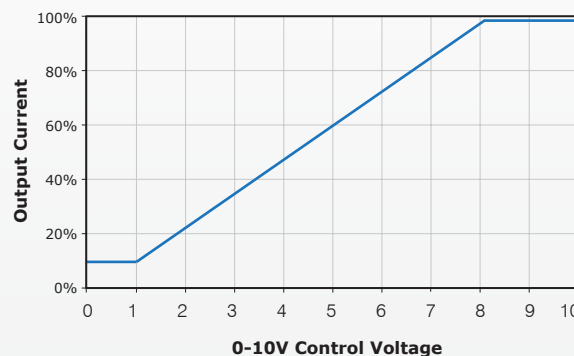
Note: Standard offering above, 13 alternate optical profiles available upon request.

Contact NemaLux Sales representative for further details. Minimum order quantities, additional costs and lead times may incur.

Photometrics



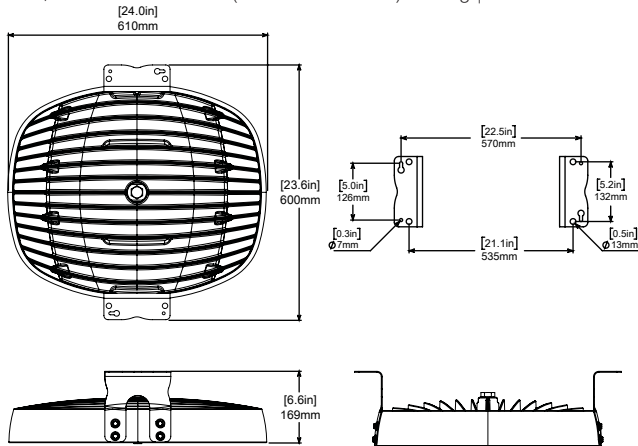
Dimming



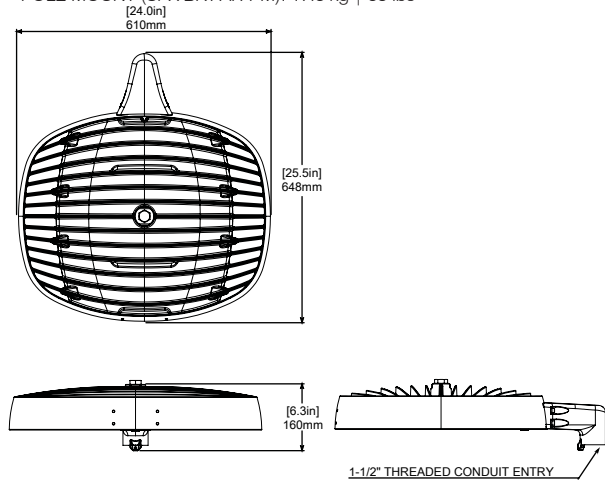
- Driver will source a maximum of 200uA for control needs
- Controller must sink current from the 0-10V control leads

Mounting Options (Ordered Separately)

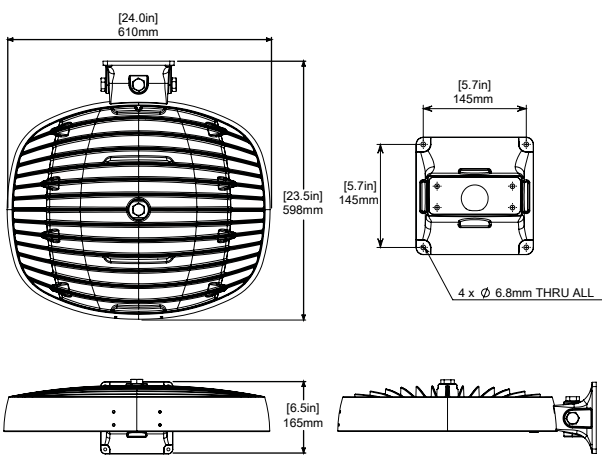
SURFACE/SUSPENDED MOUNT (SPX-BKT-AR-SM-GY): 16.8 kg | 37 lbs



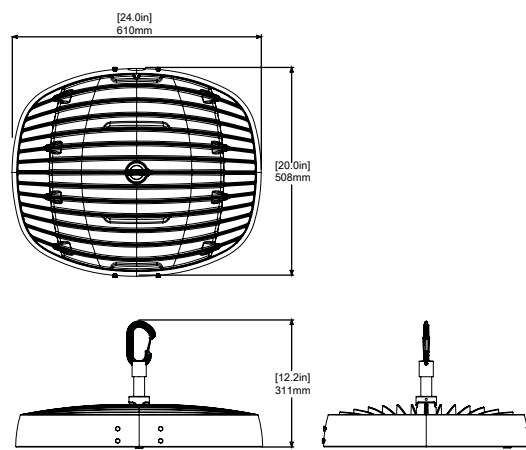
POLE MOUNT (SPX-BKT-AR-PM): 17.3 kg | 38 lbs



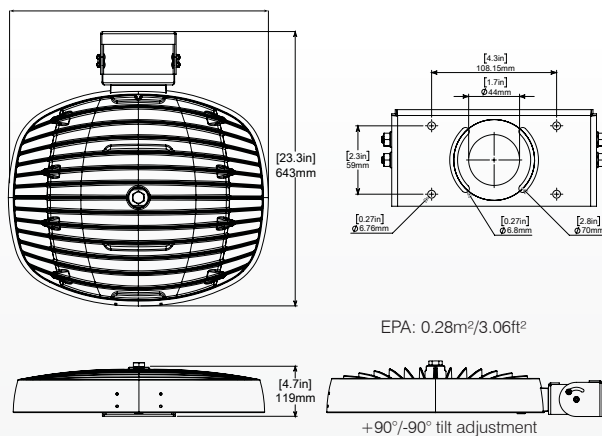
WALL MOUNT (SPX-BKT-AR-WM): 17.7 kg | 39 lbs



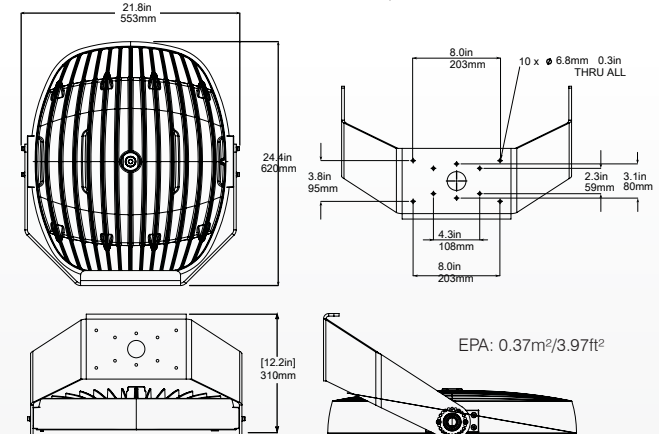
HANGING PENDANT (SPX-BKT-AR-HK): 16.4 kg | 36 lbs



YOKE MOUNT (SPX-BKT-AR-YM): 16.8 kg | 37 lbs

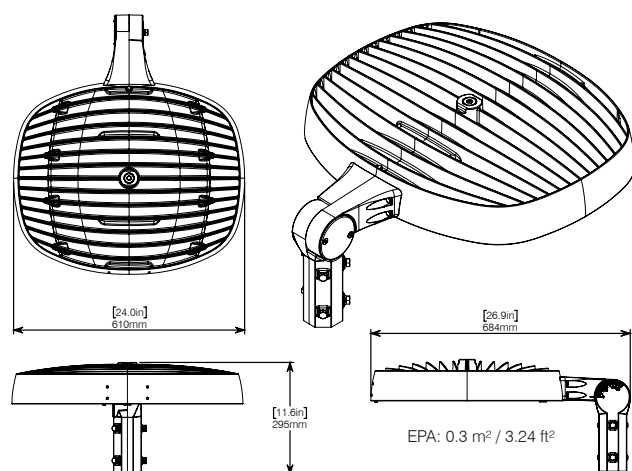


HIGH VIBRATION YOKE (SPX-BKT-AR-YK): 23.8 kg | 52.5 lbs



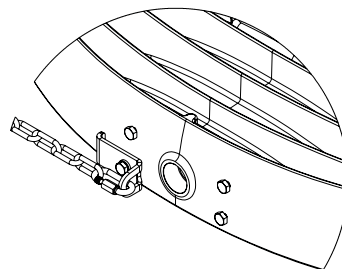
Mounting Options (Ordered Separately)

SLIP FITTER YOKE MOUNT (SPX-BKT-AR-SFY) : 18.35 kg | 40.3 lbs



Stepped to accept either 1.5" Trade size (1-13/16" [46mm] to 2" [50mm] OD) & 2" Trade size (2-1/8" [53mm] to 2-7/16" [63mm])

SECONDARY SAFETY KIT (SPX-BKT-AR-SK-##)



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.

Model	Input Voltage	Optical Models		Flood Models (No Optics)		All Models
		Ambient Temp [°C]	Class 1, Div 2 T-Codes	Ambient Temp [°C]	Class 1, Div 2 T-Codes	Class 2, Div 2 T-Codes
AR10	AC	-40 to 55	T3C	-40 to 55	T4A	T5
	HV	-40 to 54	T3C	-40 to 51	T4	T5
AR15	AC	-40 to 55	T3C	-40 to 55	T4A	T5
	HV	-40 to 54	T3C	-40 to 51	T4	T5
AR20	AC	-40 to 55	T3C	-40 to 55	T4A	T5
	HV	-40 to 54	T3C	-40 to 51	T4	T5
AR25	AC	-40 to 51	T3C	-40 to 55	T4A	T5
	HV	-40 to 44	T3B	-40 to 50	T4A	T5
AR30	AC	-40 to 43	T3	-40 to 42	T4A	T5
	HV	-40 to 43	T3	-40 to 40	T3	T5

Product Code Builder

Example Order Reference: SPZ-AR10-50-WC-GY-HZ-AC

Classification*	Model	Colour Temp*	Optics*	Finish*	Location	Input Power
SPZ	AR10	50 - 5000K	WC – Wide Beam (no optics)	GY - Grey	HZ – Hazardous ³ Locations	AC – 120-277VAC
	AR15 ⁷		T2 – IESNA Type 2			HV – 347-480VAC
	AR20 ⁷		OC – Oval 26° x 108°			
	AR25 ⁷		SC – Spot 18°			
	AR30 ⁷					

*Industrial variants available

*Other options available

*Other options available

*Custom finishes available. Please contact for details.^{1,2}

Accessories (Sold Separately)

Accessory	Part Number
Surface Mount	SPX-BKT-AR-SM-GY-HZ
Wall Mount ⁵	SPX-BKT-AR-WM-GY-HZ
Hanging Pendant	SPX-BKT-AR-HK-GY-HZ
Pole Mount ⁵	SPX-BKT-AR-PM-GY-HZ
Yoke Mount ^{4,5}	SPX-BKT-YM-GY-HZ
High Vibration Yoke ^{2,4,5} Mount	SPX-BKT-AR-YK-GY-HZ
Slip Fitter Yoke Mount	SPX-BKT-AR-SFY-GY-HZ
Secondary Safety Kit ^{4,6}	SPX-BKT-AR-SK-##-GY-HZ

Custom finishes available. Please contact for details.^{1,2}

NOTES:

- Minimum order quantities, additional costs and lead times may incur.
- Custom finishes and High Vibration Yoke mount are not available for NSF certified units.
- Hazardous location is also NSF compliant.
- Only available in stainless steel finish.
- 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.
- ## 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.

7. DLC Listed models:

DesignLights Consortium (DLC) v4.3 Qualified LED Luminaire Listings

Model No.	Catagory	General Application	Classification
SPZ-AR10-50-WC-xx-xx-AC	Outdoor Luminaires	High Output	DLC Premium
	Indoor Luminaires	High-Bay	DLC Premium
SPZ-AR15-50-WC-xx-xx-[AC,HV]	Outdoor Luminaires	High Output	DLC Premium
	Indoor Luminaires	High-Bay	DLC Premium
SPZ-AR20-50-WC-xx-xx-[AC,HV]	Outdoor Luminaires	High Output	DLC Premium
	Indoor Luminaires	High-Bay	DLC Premium
SPZ-AR25-50-WC-xx-xx-[AC,HV]	Outdoor Luminaires	High Output	DLC Premium
	Indoor Luminaires	High-Bay	DLC Standard
SPZ-AR30-50-WC-xx-xx-[AC,HV]	Outdoor Luminaires	Very High Output	DLC Premium
	Indoor Luminaires	High-Bay	DLC Standard