SPARTAN SPZ-BL
Industrial LED BL Linear

rayTEC

Key Features

- Linear LED luminaire for the conventional vapor tight category
- Two lumen output levels
- Suitable for high ambient temperature operation
- Multiple mounting options
- ¾" NPT entries on 3 sides
- Thru-wiring: multiple units can be daisy-chained on a single electrical circuit
- Optional dimming knob (120VAC and Dry/Damp Locations only)
- Vented and IP66 sealed enclosure for enhanced reliability
- Industrial grade housing designed to withstand vibration and impact
- Certified for use in Marine Locations (UL 1598A); marine-grade copper-free aluminum construction with stainless steel mounting hardware
- Triple layer corrosion protection: Chromate conversion coating, epoxy powder coat primer, super-durable polyester powder top-coat
- Glare reduction lens for enhanced visual comfort
- All sub-assemblies are field serviceable and replaceable

MARINE UL LISTED E516573

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Technical Specifications / Maximum Ratings

HOUSING	Die-cast Powder Coated Aluminum w/ Polycarbonate Lens
MOUNTING	SEE PAGE 2-4 FOR MOUNTING OPTIONS
INPUT VOLTAGE	AC: 120-277VAC** | HV: 347VAC (50/60 Hz)
RATED POWER	BL20: 17.5W | BL40: 37W
TYPICAL CURRENT	BL40: 120VAC, 0.30A | 277VAC, 0.13A | 347VAC, 0.10A BL20: 120VAC, 0.14A | 277VAC, 0.06A | 347VAC, 0.05A
CONNECTIONS	3 x 3/4" NPT Daisy Chain Wiring
TEMPERATURE RANGE	-50°C to +65°C (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).
COLOUR TEMP RANGE	50: 5000K | Special Order: 2700-6500K
CRI VALUE (MIN)	50: 70
EFFICACY (5000k)	BL20: 145lm/w | BL40: 130 lm/w (5000K CCT, 120VAC typical power)
TOTAL LUMENS	BL20: 2540 | BL40: 4475
PROJECTED SYSTEM LIFE	>100,000hrs
WEIGHT	2.9 kg (6.4 lbs)

* The ambient temperature during lifetime, lumen and chromaticity determination is 25°C ± 1°C
** Units with dimming knob and/or corded plug are rated for 120VAC and IP20 (suitable for dry/damp locations) only.

Dimensions

[3.93in]
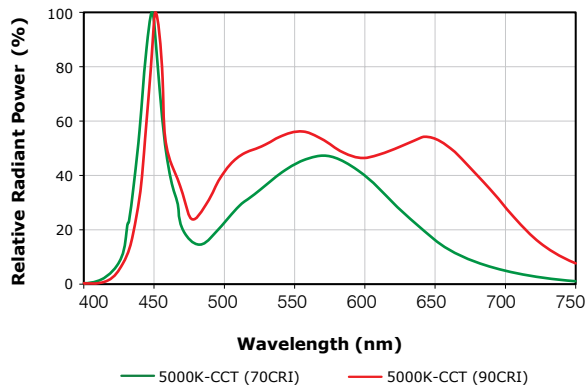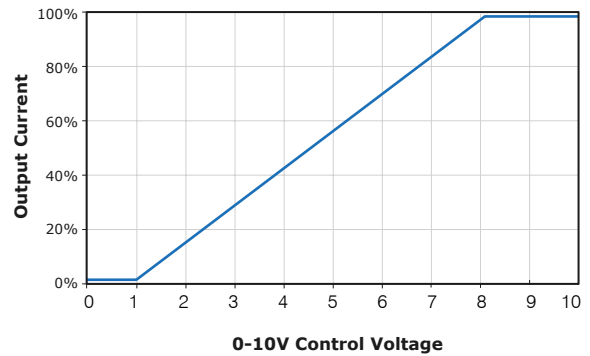99.75mm

[18.43in]
468mm

[5.65in]
143.64mm
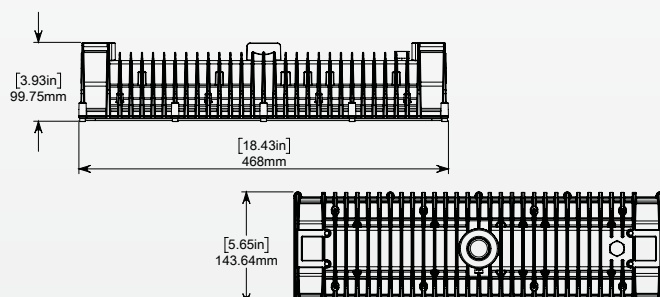
Warranty

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.

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Photometrics

Relative Radiant Power (%) vs Wavelength (nm)

— 5000K-CCT (70CRI)   — 5000K-CCT (90CRI)
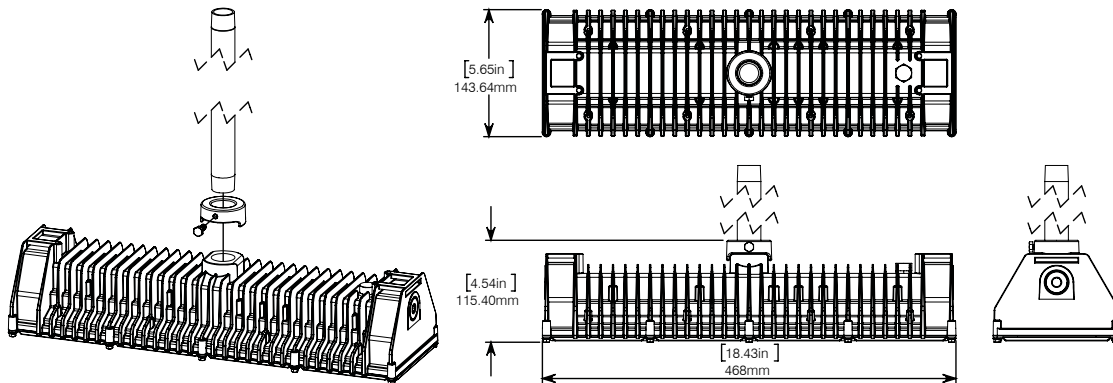
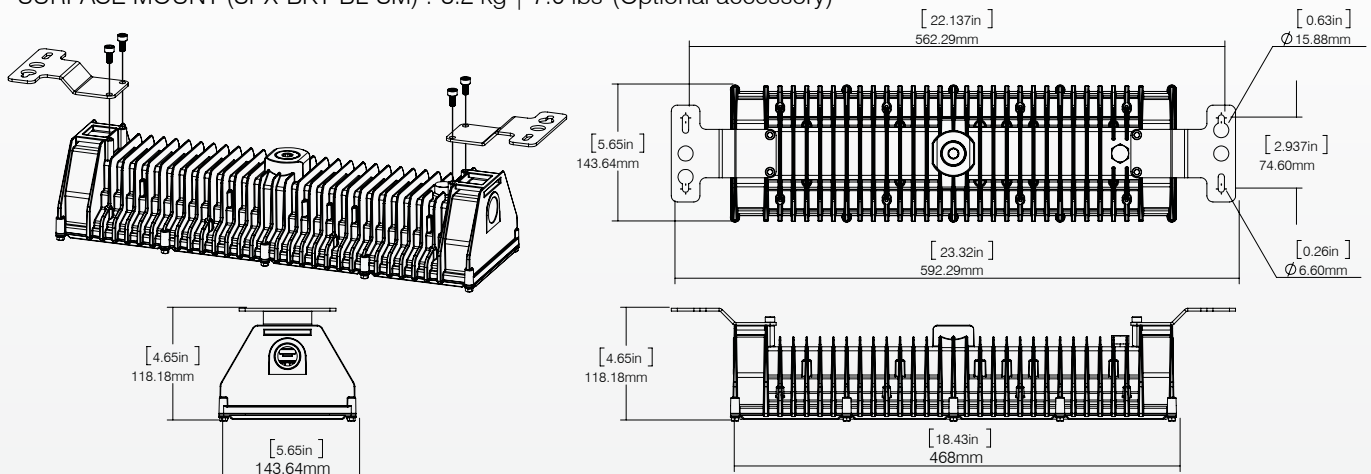# Dimming

Output Current vs 0-10V Control Voltage

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

Mounting Options (All mounting accessories must be ordered separately)

PENDANT/CONDUIT MOUNT (SPX-BKT-R-CC) : 3.0 kg | 6.6 lbs *Not including conduit*
(Direct connection of BL luminaire to hanging conduit)

[5.65in]
143.64mm

[4.54in]
115.40mm

[18.43in]
468mm

SURFACE MOUNT (SPX-BKT-BL-SM) : 3.2 kg | 7.0 lbs (Optional accessory)

[22.137in]
562.29mm

[0.63in]
Ø15.88mm

[5.65in]
143.64mm

[2.937in]
74.60mm

[23.32in]
592.29mm

[0.26in]
Ø6.60mm

[4.65in]
118.18mm

[5.65in]
143.64mm

[4.65in]
118.18mm

[18.43in]
468mm

Mounting Options (Cont.)

WALL MOUNT (SPX-BKT-BL-WM) : 3.1 kg | 6.8 lbs   (Optional accessory)

[0.31in]
R7.94mm

[15.16in]
385mm

[1.57in]
40mm

[0.27in]
Ø6.76mm

[6.82in]
173.17mm

[6.19in]
157.32mm

[18.43in]
468mm
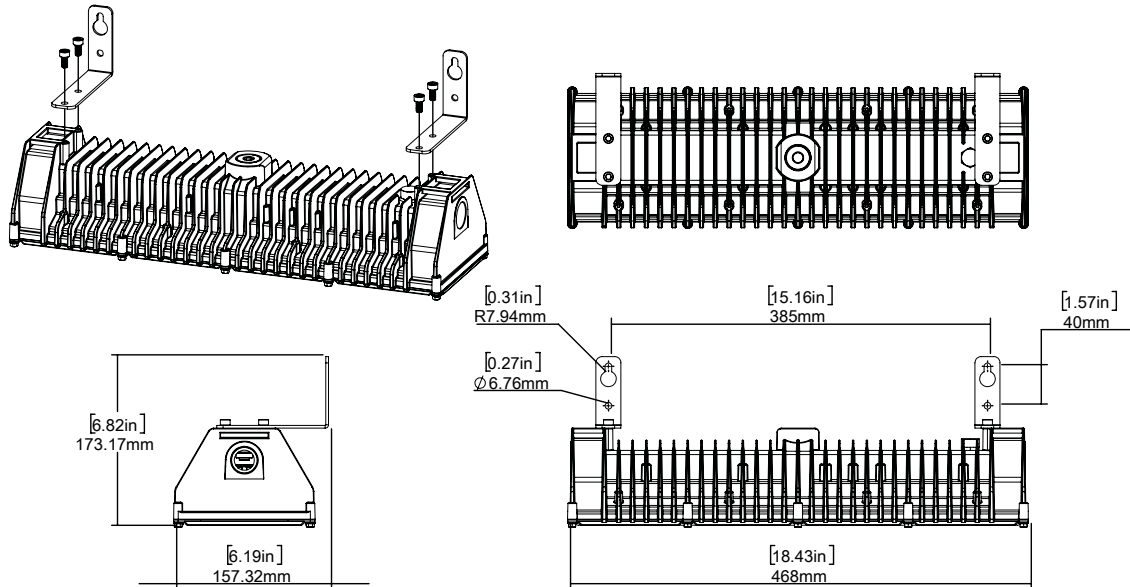
ADJUSTABLE YOKE MOUNT (SPX-BKT-BL-YM): 3.3 kg | 7.2 lbs   (Optional accessory)

[20.49in]
520.36mm

[0.63in]
Ø15.88mm

[5.65in]
143.64mm

[1.94in]
49.20mm

[21.67in]
550.36mm

[0.26in]
Ø6.60mm

[7.84in]
199.01mm

[5.88in]
149.41mm

[6.03in]
153.18mm

60deg   60deg

[18.43in]
468mm
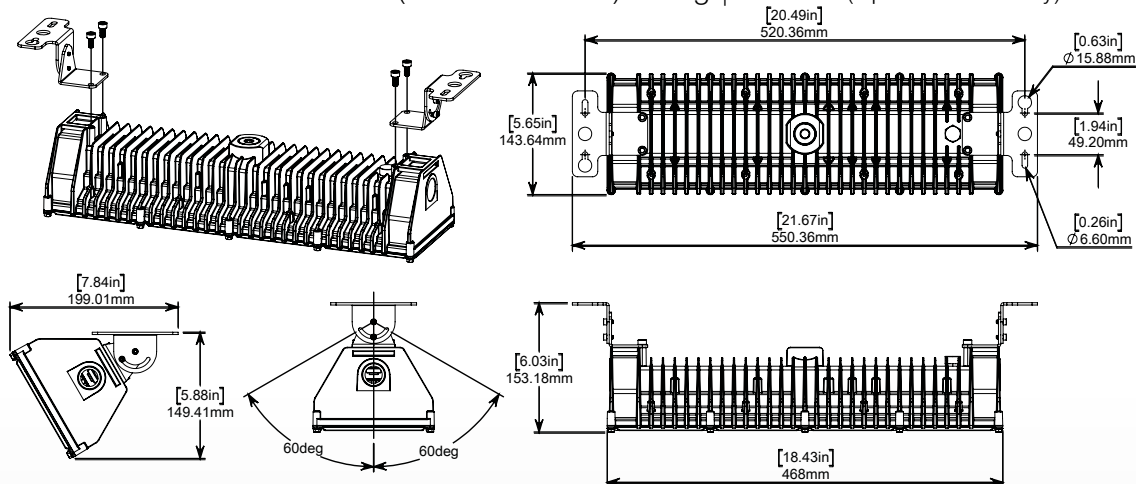
HOOK MOUNT (SPX-BKT-BL-HK): 3.2kg | 7.0lbs (Optional accessory)

[11.27in]
286.35mm

[11.87in]
301.40mm

[18.43in]
468mm

[5.65in]
143.64mm

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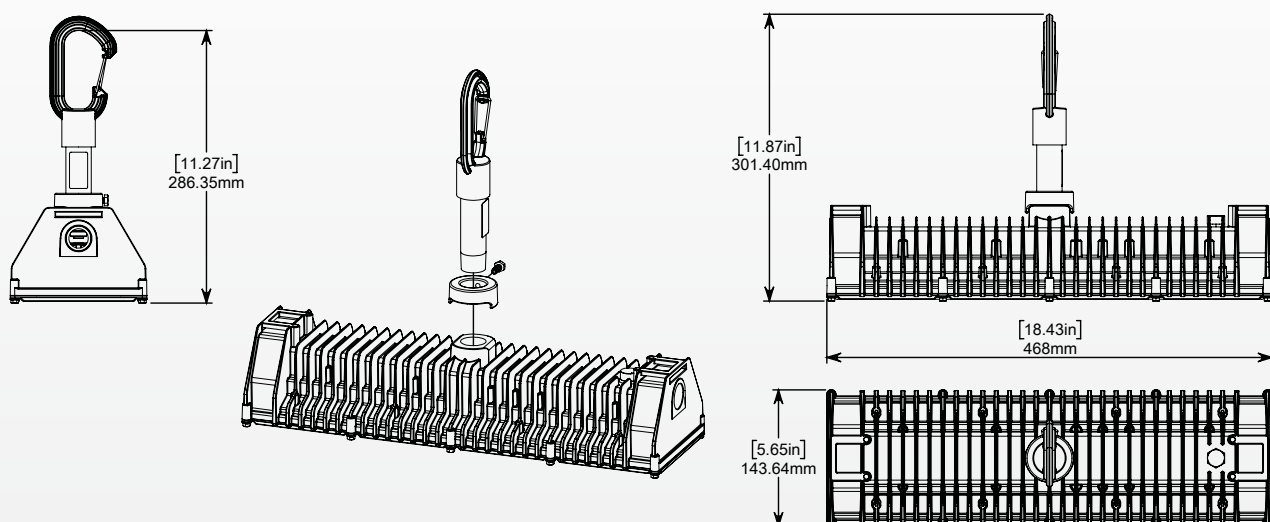
Mounting Options (Cont.)

TUBE CLAMP MOUNT (SPX-BKT-BL-TC): 3.2 kg | 7.0 lbs   (Optional accessory)

[5.58in]
141.83mm
REF.

[18.43in]
468mm

[5.65in]
143.64mm

∅ 32.00mm [1.26IN] MAX.
∅ 24.00mm [0.95IN] MIN.
TUBE DIAMETER
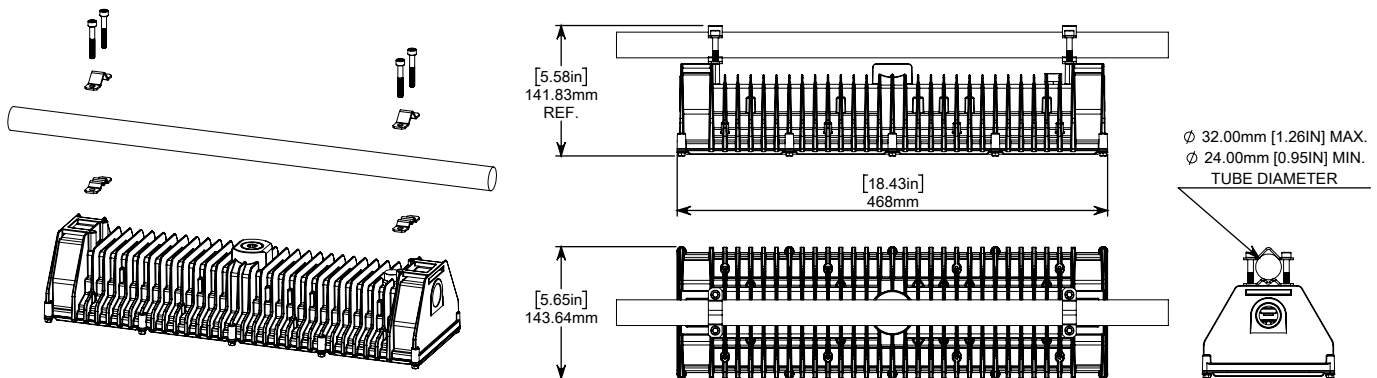
STRAP MOUNTING: 3.1 kg | 6.8 lbs   (Optional accessory)

[1.94in]
49.34mm MAX
STRAP WIDTH

[1.20in]
30.43mm MAX
STRAP WIDTH

[16.77in]
426mm
STRAP SPACING

[3.95in]
100.40mm

[5.65in]
143.64mm

[18.43in]
468mm

STAINLESS STEEL STRAP ACCESSORIES
ARE AVAILABLE IF REQUIRED
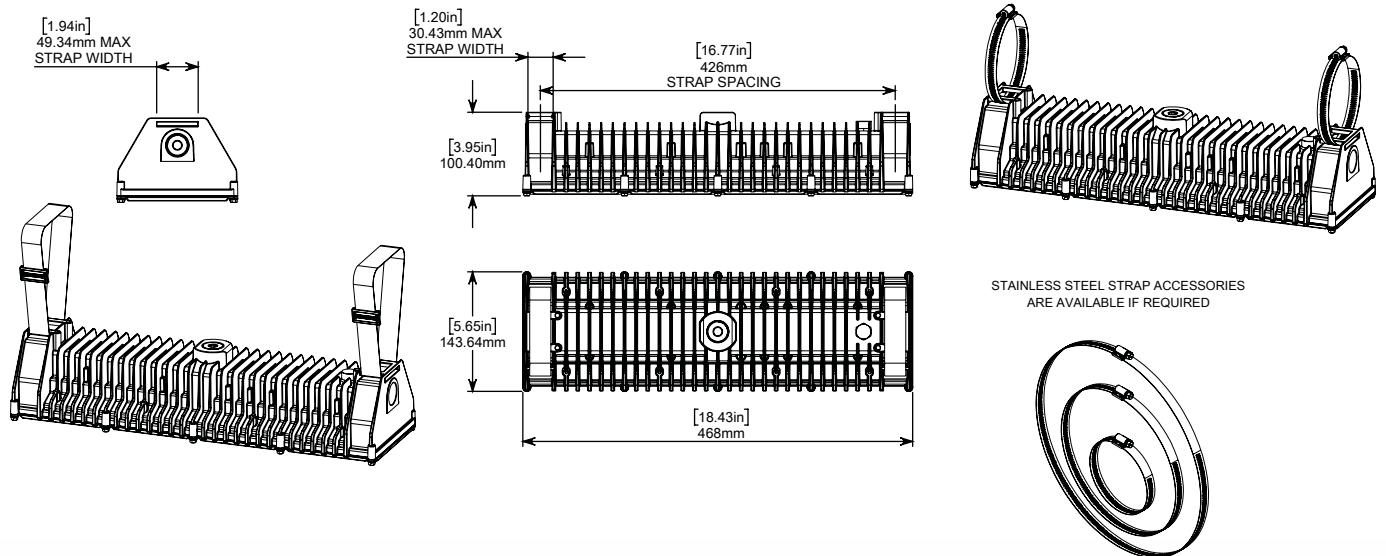
P/N	Qty	Description
STS12	2	Stainless steel tube clamp, ts 9 3/8" to 12" tubing diameter
STS9	2	Stainless steel tube clamp, ts 7 1/8" to 9 3/4" tubing diameter
STS8	2	Stainless steel tube clamp, ts 5 5/8" to 8 1/4" tubing diameter
STS6	2	Stainless steel tube clamp, ts 4 1/8" to 6 3/4" tubing diameter
STS5	2	Stainless steel tube clamp, ts 3 5/8" to 6 1/4" tubing diameter
STS4	2	Stainless steel tube clamp, ts 3 5/16" to 4 1/4" tubing diameter
STS3	2	Stainless steel tube clamp, ts 2 9/16" to 3 1/4" tubing diameter

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Product Code Builder

Example Order Reference: SPZ-BL40-5K-120120-GY-AC-GN-DS

Classification*	Model	Colour Temp*	Finish*	Input Power	Location	Options
SPZ	BL20	50 – 5000K (70CRI)	GY - Grey	AC – 120-277VAC	GN– General Location	GW – Glass Window in Stainless Frame
	BL40			HV – 347-480VAC		DS – Dimming Switch
						DP – Dimming Switch & 6' Nema 5-15 Corded Plug
						515P – 6' Nema 5-15 Corded Plug

*Hazardous variants available

*Other options available

*Custom finishes available. Please contact for details.[2]

Accessories (Sold Separately)

Accessory	Part Number
Surface Mount[1,2]	SPX-BKT-BL-SM-GY
Wall Mount[1,2]	SPX-BKT-BL-WM-GY
Pendant Conduit Mount	SPX-BKT-BL-R-CC-GY
Yoke Mount[1,2]	SPX-BKT-BL-YM-GY
Hook Mount	SPX-BKT-BL-HK-GY
Tube Clamp Mount[1,2]	SPX-BKT-BL-TC-GY
SS Straps[1]	SPX-BKT-BL-STS-GY

Bespoke colour options available, contact Raytec.

NOTES:

1. Stainless steel mounting accessories no colour code standard i.e BL-SM.
2. Minimum order quantities, additional costs and lead times may apply
3. Units with dimming knob and/or corded plug are rated for 120VAC and IP20 (suitable for dry/damp locations) only.
4. Mounting hardware may be ordered with luminaire or as stand-alone hardware kits.

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