







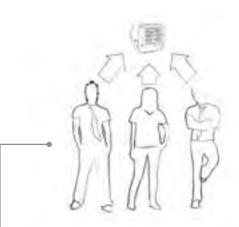
Hazardous Area Luminaires



UK Designed and Manufactured

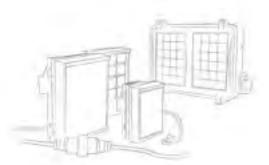
All Raytec hazardous area products are designed and manufactured in the UK and are ATEX and IEC Ex approved. We're so confident in them that all our products come with a 5 year warranty. Raytec and all our products are also ISO9001 and IS014001 certified.

raytec"



Lighting Specialists

Raytec and all our people are 100% focused on lighting. Everything from product design, to manufacture, to sales and after sales service is under one roof at our Global HQ.



Our Background

Founded in 2005, Raytec are the world leaders in LED lighting for security and safety, with over half a million products currently in service. We've used our expertise to create SPARTAN – a new range of Hazardous Area lighting which delivers class leading performance and reliability.



Full Product Family

Raytec manufacture a full range of hazardous area lighting with SPARTAN Flood, Linear, Bulkhead and Transportable, meaning there's a solution for any application.

Global Reach

Based at our HQ, near Newcastle, UK, we also have sales offices in Canada, Australia, Germany and China.

Our products are successfully deployed globally from the Arctic Circle to the Jungles of Borneo.

SPARTAN SPARTAN SPARTAN SPARTAN BULKHEAD 😥 FLOOD 😥 LINEAR 🔛







SPARTAN Flood is a complete family of hazardous area floodlights. Available in 3 sizes and as standard or emergency SPARTAN delivers variants. the highest performance, most energy efficient, modular and maintenance friendly solution for hazardous environments.

SPARTAN Linear luminaires are available as standard or emergency variants and are designed for new installations or to retrofit existing fluorescent installations, easily allowing the customer to enjoy all the benefits of LED lighting while making regular lamp changes redundant.



SPARTAN Bulkhead is a compact, low profile luminaire designed for restricted space applications. SPARTAN Bulkhead provides the highest performance and efficiency while maintaining excellent reliability. SPARTAN Bulkhead luminaires are available as standard or emergency variants.



SPARTAN Transportable The range provides all the benefits associated with the SPARTAN Flood. Linear and Bulkhead products but in a transportable version to maximise flexibility and functionality, increasing suitability for a wider range of applications.



ATEX and IEC Ex Approved Zone 1 and 2 UL/CSA approved including C1D2



American Bureau of Shipping approval



5 Year Warrantv



UK Designed and Manufactured



Available in White-Light and Infra-Red



Emergency Variants Available

SPARTAN FLOOD (Ex)

Ultra-Powerful

SPARTAN Flood integrates the latest high power LEDs with Raytec's field proven LED management and optic technology. This delivers a high lumen output of up to 10,000 lumens even during emergency operation when running off the integral battery.

Robust

Housed in marine grade aluminium with A4 stainless steel fasteners and brackets, SPARTAN Flood is IP66 and IP67 rated and can survive in the most extreme environments.

Wide Operating Temperature

An operating temperature range of -50°C to + 55°C* with a T4/T5/T6 rating means SPARTAN Flood is suitable for even the most challenging conditions.

* Emergency variants have an operating temperature of -20°C to $+55^{\circ}$ C



VARIO Technology

SPARTAN Flood is available with a variety of different beam patterns, both circular and elliptical. Elliptical illumination angles can be altered on-site with our unique VARIO interchangeable lens system.

www.raytecled.com 5

LED Friendly

SPARTAN Flood uses CoolExtrude[™] thermal management technology, ensuring a much cooler LED operating temperature. This provides up to 60% better heat dissipation compared to traditional lighting solutions and allows the product to operate for 10+ years in the most challenging environments.

Emergency Back-Up

SPARTAN Flood* is available as an emergency variant, and standard variants can be converted to an emergency fitting at any time on-site, using an additional battery back-up module which can deliver up to 100% light output under emergency conditions.

* Excludes SPARTAN Flood WL12 and IR12

Flexible Installation and Low Maintenance

The modular design allows great flexibility – the entire PSU chassis can be removed and located remotely at ground level for areas with difficult access. Additionally the individual PSU modules can be easily accessed and replaced making servicing and inspection of all key components quicker and easier.



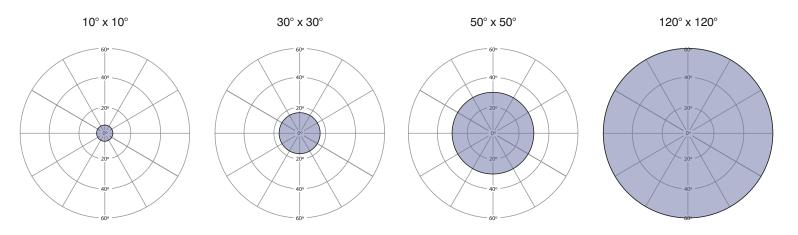


Beam Patterns

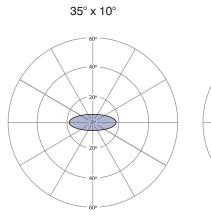
Raytec offer a range of different interchangeable beam patterns that can be easily altered on site delivering the ultimate flexibility to specifiers, distributors and end users.

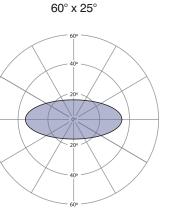
The circular beam patterns maximise light output while the elliptical beam patterns use Raytec's revolutionary VARIO holographic lens technology to shape the light providing greater illumination distances with significantly reduced energy wastage.

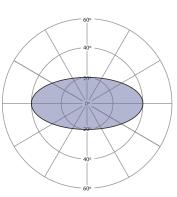
BEAM PATTERNS - CIRCULAR



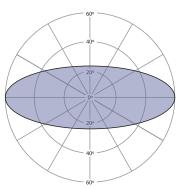
BEAM PATTERNS – ELLIPTICAL (VARIO)







 $80^{\circ} \times 30^{\circ}$



120° x 50°













 $\langle x3 \rangle$

	FLOOD WL48	FLOOD WL48 Emergency	FLOOD WL24	FLOOD WL24 Emergency	FLOOD WL12
Certification	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2 (pending)	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2 (pending)	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2
Angles	10°x10° / 35°x10° / 60°x25° / 80°x30° / 120°x50° + 30, 50 and 120° circular options	10°x10° / 35°x10° / 60°x25° / 80°x30° / 120°x50° + 30, 50 and 120° circular options	10°x10° / 35°x10° / 60°x25° / 80°x30° / 120°x50° + 30, 50 and 120° circular options	10°x10° / 35°x10° / 60°x25° / 80°x30° / 120°x50° + 30, 50 and 120° circular options	10°x10° / 35°x10° / 60°x25° / 80°x30° / 120°x50° + 30, 50 and 120° circular options
Input	110-254V 50/60Hz AC only 18-30V AC/DC	110-254V 50/60Hz AC only	110-254V 50/60Hz AC only 18-30V AC/DC	110-254V 50/60Hz AC only	110-254V 50/60Hz AC only 18-30V AC/DC
Beam Shape	Elliptical or Circular				
Beam Angle System	VARIO interchangeable lens system (elliptical) / Fixed (circular)				
Consumption	136W	139W	68W	71W	34W
LED type	Platinum Elite SMT LEDS				
Number of LEDS	48	48	24	24	12
Power output (luminous flux)	Up to 10,000 lm – circular beam Up to 9,000 lm – elliptical beam	Up to 10,000 lm – circular beam Up to 9,000 lm – elliptical beam	Up to 5,000 lm – circular beam patterns Up to 4,500 lm – elliptical beam patterns	Up to 5,000 lm – circular beam patterns Up to 4,500 lm – elliptical beam patterns	Up to 2,500 lm – circular beam patterns Up to 2,250 lm – elliptical beam patterns
Wavelength	White-Light (also available in Infra-Red)				
IP Rating	IP66 and IP67				
Temperature Range	-50°C to +55°C (-58°F to 131°F)	-20°C to +55°C (-4°F to 131°F)	-50°C to +55°C (-50°F to 131°F)	-20°C to +55°C (-4°F to 131°F)	-50°C to +55°C (-50°F to 131°F)
Colour Temperature (White-Light)	6,000K +				
Colour	Silver/Grey	Silver/Grey	Silver/Grey	Silver/Grey	Silver/Grey
Weight	16kg (35.2lbs)	20kg (44lbs)	8kg (17.6lbs)	10Kg (22lbs)	5kg (11lbs)
Dimensions	291 x 438 x 151mm (11.4 x 17.2 x 5.9")	291 x 438 x 215mm (11.4 x 17.2 x 8.5")	291x247x150mm (11.5x9.7x6")	291x247x215mm (11.5x9.7x8.5")	192 x 206 x 170mm (7.6 x 8.1 x 6.7")
Additional Features	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants
Emergency Battery Back-up					
Battony		Ni/Cd 12V/ 4 54b		Ni/Cd 12)/ 4 54b	

Battery	Ni/Cd 12V 4.5Ah	Ni/Cd 12V 4.5Ah	
Duration	Up to 2hrs @ 25% power (1 x battery unit) Other options available	Up to 2hrs @ 50% power Other options available	
Charge Time	20 hours	20 hours	

Part Codes

Circular beam pattern	SPX-FL48-W-1010 / SPX-FL48-W-3030 SPX-FL48-W-5050 / SPX-FL48-W-120120	SPX-FL48-W-1010-EM25 / SPX-FL48-W-3030-EM25 SPX-FL48-W-5050-EM25 / SPX-FL48-W-120120-EM25	SPX-FL24-W-1010 / SPX-FL24-W-3030 SPX-FL24-W-5050 / SPX-FL24-W-120120	SPX-FL24-W-1010-EM50 / SPX-FL24-W-3030-EM50 SPX-FL24-W-5050-EM50 / SPX-FL24-W-120120-EM50	SPX:FL12-W-1010 / SPX:FL12-W-3030 SPX:FL12-W-5050 / SPX:FL12-W-120120
Elliptical beam pattern	SPX-FL48-W-3510 / SPX-FL48-W-6025 SPX-FL48-W-8030 / SPX-FL48-W-12050	SPX-FL48-W-3510-EM25 / SPX-FL48-W-6025-EM25 SPX-FL48-W-8030-EM25 / SPX-FL48-W-12050-EM25	SPX-FL24-W-3510 / SPX-FL24-W-6025 SPX-FL24-W-8030 / SPX-FL24-W-12050	SPX-FL24-W-3510-EM50 / SPX-FL24-W-6025-EM50 SPX-FL24-W-8030-EM50 / SPX-FL24-W-12050-EM50	SPX-FL12-W-3510 / SPX-FL12-W-6025 SPX-FL12-W-8030 / SPX-FL12-W-12050

SPARTAN LINEAR (Ex)

LED Friendly

SPARTAN Linear uses CoolExtrude[™] thermal management technology, ensuring a much cooler LED operating temperature. This provides up to 60% better heat dissipation compared to traditional lighting solutions and allows the product to operate for 10+ years in the most challenging environments.

Retrofitable

SPARTAN Linear is a direct replacement for fluorescent fittings, meaning you can upgrade to LED light without complication.

Easy Maintenance

A maintenance friendly modular design allows quick and easy servicing and inspection of all key components including LED and PSU modules. SPARTAN Linear has also been designed without ledges to prevent dust or water from accumulating.

Robust

Housed in marine grade aluminium with stainless steel fasteners and brackets, SPARTAN Linear is IP66 and IP67 rated and can survive in the most extreme environments.

Wide Operating Temperature

An operating temperature range of -40° C to + 55°C with a T4/T5/T6 rating means SPARTAN Linear is suitable for even the most challenging conditions.

Emergency Back-Up

SPARTAN Linear is available as an emergency variant, and standard variants can be converted to an emergency fitting at any time on-site, using an additional battery back-up module which can run up to 100% light output under emergency conditions.

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	E Tin			
	CX CX	Ex ····	Ex · · ·	(Ex)
	SPARTAN LINEAR WL168	SPARTAN LINEAR WL168 Emergency	SPARTAN LINEAR WL84	SPARTAN LINEAR WL84 Emergency
Certification	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2 (pending)	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2 (pending)
Input	110-254V 50/60Hz AC only 18-30V AC/DC	110-254V 50/60Hz AC only	110-254V 50/60Hz AC only 18-30V AC/DC	110-254V 50/60Hz AC only
Beam Angle	Equivalent to 2 x 36W T8 fluorescent	Equivalent to 2 x 36W T8 fluorescent	Equivalent to 2 x 18W T8 fluorescent	Equivalent to 2 x 18W T8 fluorescent
Consumption	68W	71W	34W	37W
LED type	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs
Number of LEDS	168	168	84	84
Power output	Equivalent to 2 x 36W T8 fluorescent	Equivalent to 2 x 36W T8 fluorescent	Equivalent to 2 x 18W T8 fluorescent	Equivalent to 2 x 18W T8 fluorescent
Wavelength	White-Light	White-Light	White-Light	White-Light
IP Rating	IP66 and IP67	IP66 and IP67	IP66 and IP67	IP66 and IP67
Temperature Range	-40°C to +55°C (-40°F to 131°F)	-20°C to +50°C (-4°F to 122°F)	-40°C to +55°C (-40°F to 131°F)	-20°C to +50°C (-4°F to 122°F)
Colour Temperature (white-light)	6,000K +	6,000K +	6,000K +	6,000K +
Colour	Silver/Grey	Silver/Grey	Silver/Grey	Silver/Grey
Weight	9kg (19.8lbs)	10kg (22lbs)	6kg (13.2lbs)	7kg (15.4lbs)
Dimensions	1292 x 108 x 174mm (50.9 x 4.3 x 6.9")	1407 x 108 x 174mm (53.4 x 4.3 x 6.9")	772 x 108 x 174mm (30.4 x 4.3 x 6.9")	772 x 108 x 174mm (30.4 x 4.3 x 6.9")
Additional Features	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants (T4 as standard)	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants (T4 as standard)	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants (T4 as standard)	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants (T4 as standard)

Emergency Battery Back-up

Battery	Ni/Cd 12V	Ni/Cd 12V
Duration	Up to 3hrs @ 25% p Other options avail	ble Up to 3hrs @ 25% power Other options available
Charge Time	20 hours	20 hours

Part Codes

	SPX-WL168	SPX-WL168-EM25	SPX-WL84	SPX-WL84-EM25
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SPARTAN BULKHEAD (Ex)

LED Friendly

SPARTAN Bulkhead uses CoolExtrude[™] thermal management technology, ensuring a much cooler LED operating temperature. This provides up to 60% better heat dissipation compared to traditional lighting solutions and allows the product to operate for 10+ years in the most challenging environments.

Robust

Housed in marine grade aluminium with stainless steel fasteners and brackets, SPARTAN Bulkhead is IP66 and IP67 rated and can survive in the most extreme environments.

Emergency Back-Up

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SPARTAN Bulkhead is available as an emergency variant, and standard variants can be converted to an emergency fitting at any time on-site, using an additional battery back-up module which can run up to 100% light output under emergency conditions.

Compact

SPARTAN Bulkhead has a compact, low profile design for restricted space applications. It also allows easy access to the back of the unit with rear cable entries, so cabling can be hidden and protected from damage.

VARIO Technology -

SPARTAN Bulkhead is available with a variety of different beam patterns, both circular and elliptical. Elliptical illumination angles can be altered on-site with our unique VARIO interchangeable lens system.

Wide Operating Temperature

An operating temperature range of -50° C to $+46^{\circ}$ C* with a T4/T5/T6 rating means SPARTAN Bulkhead is suitable for even the most challenging conditions.

* Emergency variants have an operating temperature of -20°C to $+46^{\circ}$ C



SPARTAN BULKHEAD BL24



SPARTAN BULKHEAD BL24 Emergency

CertificationATEX and EC private for your NS2 Gis and QuitATEX and EC private for your NS2 Gis and QuitAngles10°10° / ND° / S0°0 / 10°10° / ND° / 10°10° / 10°			
Angles+ + 30, 50 and 120° cincular optionsInput+ 30, 50 and 120° cincular optionsInput110°254V 500/64A ConlyBeam Angle SystemEliptical or CincularBeam Angle SystemVARIO interchangeable nen system (inigitad) / Fixed (cincular)Consumption34WConsumption34WConsumption34WPart LEDS4Power outputUp to 2:500 m - cincular beam patternsUp to 2:500 m - cincular beam patternsColourConor beam pattern <td>Certification</td> <td></td> <td></td>	Certification		
Input118.0V ACDCInterAnd worder. And onlyBeam ShapeElliptical or CincularElliptical or CincularElliptical or CincularBeam Angle SystemVARIO interchangaable lares system (elliptical) / Fixed (cincular)VARIO interchangaable lares system (elliptical) / Fixed (cincular)Consumption6.4W37WLED typePlatnum Ellio SMT LEDsPlatnum Ellio SMT LEDsNumber of LEDS2.42.4Power output (luminous flux)Up to 2.500 m - cincular beam patterns (luminous flux)Up to 2.500 m - cincular beam patterns (luminous flux)IP PatterElliptical Cisco Im - cincular beam patterns (luminous flux)Up to 2.500 m - cincular beam patterns (luminous flux)IP PatterIP PatterIP PatterColour Temperature Pange-50°C to +46°C (-50°F to 114°F)-20°C to +46°C (4°F to 114°F)Colour Temperature (Mhite-Light)6.000K +6.000K +Colour Temperature (Mhite-Light)6.000K +6.000K +OlionersionsCincular Stream (113 x 8 7 x 4 8°)Cincular Stream (113 x 8 7 x 4 8°)Emergency Battery DurationColour and Ts Venants (F4 as standard)Ta and Ts Venants (F4 as standard)DurationSYNB 2.4W-1000 (SYNB 2.4W-1000 SYNB 2.4W-1	Angles		
Beam Angle System VARIO Interchangeable lens system (elliptical) / Fixed (circular) Consumption 34W 37W LED type Platinum Elles SMT LEDs Platinum Elles SMT LEDs Number of LEDS 24 24 Power output (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Up to 2:500 m - circular beam patterns (luminous flux) Peocent Poocents (luminous flux) Peocent Poocents (luminous flux) Event Statestime IP additional Features Cool Circular beam patterns (luminous flux) Cool Circular beam patterns (luminous flux) Cool Circular beam patterns Protocoal (coptional) T 4 and TS Variants (T 4 as standard) Cool Circular beam pattern	Input		110-254V 50/60Hz AC only
Consumption 34W 37W LED type Platnum Elle SMT LEDs Platnum Elle SMT LEDs Number of LEDS 24 24 Power output (furminous flux) Up to 250 Im - circuit beam patterns (furminous flux) Up to 250 Im - circuit beam patterns (furminous flux) Up to 250 Im - circuit beam patterns Wavelength Write-Light (also available in Infra Rot) Write-Light (also available in Infra Rot) IP Rating IP Ge and IP67 IP Ge and IP67 Temperature Range -50°C to 440°C (45°F to 114°F) -20°C to -46°C (45°F to 114°F) Colour Silver / Grey Silver / Grey Weight Gag (11bs) 6ig (112cs) Dimensions 2122mm (113 x 8.7 x 4.8°) CoolStrudee Temperature Range CoolStrudee CoolStrudee Silver / Grey Silver / Grey Weight Silver / Grey Silver / Grey Dimensions (113 x 8.7 x 4.8°) CoolStrudee CoolStrudee Silver in greytern Silver in Greycian Pattery Out Office 025% power (Dher options available Silver i Silver Charge Time	Beam Shape	Elliptical or Circular	Elliptical or Circular
LED typePlatinum Elite SMT LEDsPretinum Elite SMT LEDsNumber of LEDS2424Power output (luminous flux)Up to 2.500 m - circular beam patterns Up to 2.500 m - circular beam patterns (luminous flux)Up to 2.500 m - circular beam patterns Up to 2.500 m - circular beam patternsWavelengthWhite-Light (abo available in Infra-Fierd)White-Light (abo available in Infra-Fierd)WavelengthWhite-Light (abo available in Infra-Fierd)IP66 and IP67Temperature Range-50°C to +40°C (-58°F to 114°F)-20°C to +40°C (-48°F to 114°F)Colour Temperature (White-Light)6.000K +6.000K +Colour Temperature (White-Light)6.000K +6.000K +OlourSilver / GreySilver / GreySilver / GreyWeight6.000K +6.000K +0.000K +Colour Temperature (White-Light)6.000K +6.000K +Olinensions28 x 200 tr 20mm (11.3 x 8.7 x 4.8')(11.3 x 8.7 x 4.8')DimensionsCooFisturder Thermal Management Benovable PSD and LED modules Smert access wing system Photocel (poinna) T4 and T5 Varients (14 as standard)Nicd 12VDurationOut of the options available Other options availableNicd 12VDurationSPX BL24W-100 EM25 SPX B	Beam Angle System	VARIO interchangeable lens system (elliptical) / Fixed (circular)	VARIO interchangeable lens system (elliptical) / Fixed (circular)
Number of LEDS2424Number of LEDS10 to 2.50 m - circular beam patterns (luminous flux)Up to 2.50 m - circular beam patterns (lup to 2.50 m - circular beam patterns)WavelengthWhite-Light (size available in hing-Reci)White-Light (size available in hing-Reci)IP RatingIP66 and IP67IP66 and IP67Temperature Range-50°C to +48°C (-58°F to 114°F)-20°C to +48°C (-4°F to 114°F)Colour Temperature (White-Light)6.000K +6.000K +Colour Temperature (White-Light)6.000K +6.000K +Additional FeaturesColour temperature (White-Light)7.000K +Emergency Battery Back-up </td <td>Consumption</td> <td>34W</td> <td>37W</td>	Consumption	34W	37W
Power output (uminous flux)Up to 2.500 lm - elicitale beam patterns Up to 3.500 lcm cm of the standardProtocel (poinora) Protocel (poi	LED type	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs
(tuminous flux)Up to 2.250 lm - elliptical beam patternsUp to 2.250 lm - elliptical beam patternsWavelengthWhite-Light (also available in Infra-Red)White-Light (also available in Infra-Red)IP RatingIP 66 and IP67IP 66 and IP67Temperature Range-50°C to +46°C (58°F to 114°F)-20°C to +46°C (-4°F to 114°F)Colour Temperature (White-Light)6.000K +6.000K +6.000K +Colour Temperature (White-Light)6.000K +0.600K +0.600K +Colour Temperature (White-Light)8.000K +0.600K +0.600K +Dimensions1.28 × 220 122mm (113 × 8.7 × 4.8°)2.88 × 220 122mm (113 × 8.7 × 4.8°)1.18 × 8.7 × 4.8°)DimensionsColour temperature (Note State	Number of LEDS	24	24
IP RatingIP66 and IP67IP66 and IP67Temperature Range-50°C to +46°C (58°F to 114°F)-20°C to +46°C (4°F to 114°F)Colour Temperature (White-Light)6.000K +6.000K +ColourSilver / GreySilver / GreyWeight5kg (11bs)6kg (13.2bs)Dimensions(11.3 x 8.7 x 4.8°)(11.3 x 8.7 x 4.8°)Additional FeaturesColour/Temperature (White-Light)Colour/Temperature (White-Light)Additional FeaturesColour/Colour/Temmal ManagementRenovable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (14 as standard)Emergency Battery Back-upNicd 12VBatteryNicd 12VDurationUlp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPXBL24W-1010 SPXBL24W-1010 SPXBL24W-1010 SPXBL24W-1020Part CodesSPXBL24W-1010 <br< td=""><td></td><td></td><td></td></br<>			
Temperature Range50°C to +.46°C (.58°F to 114°F)20°C to +.46°C (.44°E to 114°F)Colour Temperature (White-Light)6.000K +6.000K +ColourSilver / GreySilver / GreyWeight5kg (11bs)6kg (132bs)Dimensions288 x.20x 122mn (11.3 x.8.7 x.4.8')288 x.20x 122mn (11.3 x.8.7 x.4.8')Additional FeaturesCoolExtrude " Thermal Management Removable PSU and LED modules Smart access wing system Photocel (optional) T 4 and TS Variants (14 as standard)CoolExtrude "Thermal Management CoolExtrude " Thermal Management Removable PSU and LED modules Smart access wing system Photocel (optional) T 4 and TS Variants (14 as standard)Emergency Battery Back-upNi/cd 12VBatteryNi/cd 12VDurationUlp to 3hrs @ 25% power Other options availableCharge TimeSPX BL24W-1010 SPX BL24W-3030 SPX BL24W-3030 SPX BL24W-3030, EM25 SPX BL24W-3030, EM2	Wavelength	White-Light (also available in Infra-Red)	White-Light (also available in Infra-Red)
Colour Temperature (White-Light)6,000K +6,000K +ColourSilver / GreySilver / GreyWeightSkg (11bs)Øg (13 2bs)Dimensions288 x 220x 122mm288 x 220x 122mmIt 13 x 8 7 x 4.8')(113 x 8 7 x 4.8')(113 x 8 7 x 4.8')Additional FeaturesCoolExtrude "Thermal Management Removable PSU and LED modules Smart access wing system Photocel (optional) T4 and T5 Variants (T4 as standard)CoolExtrude "Thermal Management Removable PSU and LED modules Smart access wing system Photocel (optional) T4 and T5 Variants (T4 as standard)Emergency Battery Back-upN/cd 12VDurationUp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPXBL24W-1010 SPXBL24W-102120Elliptical beam patternSPXBL24W-102120 SPXBL24W-1023 SPXBL24W-1025-EM25 SPXBL24W-0025-EM25 SPXBL24W-0025-EM25Elliptical beam patternSPXBL24W-0025-EM25 SPXBL24W-0025-EM25 SPXBL24W-0025-EM25 SPXBL24W-0025-EM25 	IP Rating	IP66 and IP67	IP66 and IP67
ColourSilver / GreySilver / GreyWeightSkg (11bs)Gkg (13.2bs)Dimensions288 x 220x 122mm (11.3.x.8.7.x.4.8")288 x 220x 122mm (11.3.x.8.7.x.4.8")Additional FeaturesCoolExtrude " Thermai Management Removable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (T4 as standard)CoolExtrude " Thermai Management Removable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (T4 as standard)Emergency Batkery Back-upNi/cd 12VDurationUlp to 3hrs @ 25% power Other options availableCharge TimeSPX.BL24.W-1010 SPX.BL24.W-1010 SPX.BL24.W-1010 SPX.BL24.W-1020Part CodesSPX.BL24.W-1010 SPX.BL24.W-1020 SPX.BL24.W-1020 SPX.BL24.W-1020 EM25 SPX.BL24.W-0500 SPX.BL24.W-05	Temperature Range	-50°C to +46°C (-58°F to 114°F)	-20°C to +46°C (-4°F to 114°F)
Weight5kg (11bs)6kg (13.2bs)Dimensions288 x 220x 122mm (113 x 8 7 x 4.8)288 x 220x 122mm (113 x 8 7 x 4.8)Additional FeaturesCoolExtrude" Thermal Management Removable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (14 as standard)CoolExtrude" Thermal Management Removable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (14 as standard)Emergency Battery Back-upNi/cd 12VDurationUlp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPX-BL24W-1010 SPX-BL24W-3030Emergency lattery beam patternSPX-BL24W-1010 SPX-BL24W-1010 SPX-BL24W-1010 SPX-BL24W-1010 SPX-BL24W-1010Elliptical beam patternSPX-BL24W-0030 SPX-BL24W-0030Elliptical beam patternSPX-BL24W-0030 SPX-BL24W-0030	Colour Temperature (White-Light)	6,000K +	6,000K +
Dimensions288 x 220x 122mm (11.3 x 8.7 x 4.8')288 x 220x 122mm (11.3 x 8.7 x 4.8')DimensionsCoolExtrude "Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T 4 and T5 Variants (T4 as standard)CoolExtrude "Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T 4 and T5 Variants (T4 as standard)CoolExtrude "Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T 4 and T5 Variants (T4 as standard)Nick 12VEmergency Battery Back-upNick 12VVDurationOther options available Other options availableNick 12VDurationSPX-BL24-W-1010 SPX-BL24-W-1010<	Colour	Silver / Grey	Silver / Grey
Dimensions(11.3 x 8.7 x 4.8')(11.3 x 8.7 x 4.8')Additional FeaturesCoolExtrude "Thermal Management Removable PSU and LED modules Smat access wining system Photocell (optional) T4 and T5 Variants (T4 as standard) T4 and T5 Variants (T4 as standard) T4 and T5 Variants (T4 as standard)CoolExtrude "Thermal Management Removable PSU and LED modules Smat access wining system Photocell (optional) T4 and T5 Variants (T4 as standard)Emergency Battery Back-upNi/cd 12VBatteryNi/cd 12VDurationUp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPX BL24W-1010 SPX BL24W-1010 SPX BL24W-3030 SPX BL24W-3030 SP	Weight	5kg (11lbs)	6kg (13.2lbs)
Index(11.3 x 8.7 x 4.8')(11.3 x 8.7 x 4.8')Additional FeaturesCoolExtrude " Thermal Management Removable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (14 as standard)CoolExtrude "Thermal Management Removable PSU and LED modules Smart access wing system Photocell (optional) T4 and T5 Variants (14 as standard)Emergency Battery Back-upNi/cd 12VBatteryNi/cd 12VDurationUp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPX-BL24W-1010 SPX-BL24W-3050 SPX-BL24W-3050 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030 SPX-BL24W-3030	Dimensions	288 x 220x 122mm	288 x 220x 122mm
Additional FeaturesRemovable PSU and LED modules Smart access wining system Photocell (optional) T4 and T5 Variants (T4 as standard)Removable PSU and LED modules Smart access wining system Photocell (optional) T4 and T5 Variants (T4 as standard)Emergency Battery Back-upN/cd 12VBatteryN/cd 12VDurationN/cd 12VCharge Time25 kpursPart CodesSPX-BL24W-1010 SPX-BL24W-3030Circular beam patternSPX-BL24W-1010 SPX-BL24W-1010 SPX-BL24W-6025Elliptical beam patternSPX-BL24W-6025 SPX-BL24W-6025Elliptical beam patternSPX-BL24W-6025 SPX-BL24W-6025SPX-BL24W-6025 SPX-BL24W-6025SPX-BL24W-6025 SPX-BL24W-6025	Dimensions	(11.3 x 8.7 x 4.8")	(11.3 x 8.7 x 4.8")
BatteryNi/cd 12VDurationUp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPX.BL24.W-1010 SPX.BL24.W-3030 SPX.BL24.W-5050 <b< td=""><td>Additional Features</td><td>Removable PSU and LED modules Smart access wiring system Photocell (optional)</td><td>Removable PSU and LED modules Smart access wiring system Photocell (optional)</td></b<>	Additional Features	Removable PSU and LED modules Smart access wiring system Photocell (optional)	Removable PSU and LED modules Smart access wiring system Photocell (optional)
DurationUp to 3hrs @ 25% power Other options availableCharge Time25 hoursPart CodesSPXBL24W-1010 SPXBL24W-3030 SPXBL24W-3030 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 SPXBL24W-5050 	Emergency Battery Back-up		
DurationOther options availableCharge Time25 hoursPart CodesCircular beam patternSPX.BL24.W-1010 <sspx.bl24.w-3030 </sspx.bl24.w-3030 SPX.BL24.W-3030 SPX.BL24.W-3030 SPX.BL24.W-3030 SPX.BL24.W-3030-EM25 SPX.BL24.W-120120Elliptical beam patternSPX.BL24.W-6025 SPX.BL24.W-6025 SPX.BL24.W-8030SPX.BL24.W-6025 SPX.BL24.W-8030 SPX.BL24.W-8030-EM25	Battery		Ni/cd 12V
SPXBL24W-1010 SPXBL24W-1010-EM25 Circular beam pattern SPXBL24W-3030 SPXBL24W-3030-EM25 SPXBL24W-5050 SPXBL24W-3050-EM25 SPXBL24W-3020-EM25 SPXBL24W-120120 SPXBL24W-120120-EM25 SPXBL24W-120120-EM25 Elliptical beam pattern SPXBL24W-6025 SPXBL24W-6025-EM25 SPXBL24W-8030 SPXBL24W-6025-EM25 SPXBL24W-6025-EM25	Duration		
Circular beam pattern SPX.BL24.W-1010 SPX.BL24.W-3030 SPX.BL24.W-1010-EM25 SPX.BL24.W-3030 Elliptical beam pattern SPX.BL24.W-1010-EM25 SPX.BL24.W-1010-EM25 SPX.BL24.W-5050 SPX.BL24.W-1010-EM25 SPX.BL24.W-1010-EM25 SPX.BL24.W-1010-EM25 SPX.BL24.W-1010-EM25 SPX.BL24.W-1010-EM25 SPX.BL24.W-3510 SPX.BL24.W-3510-EM25 SPX.BL24.W-6025 SPX.BL24.W-6025-EM25 SPX.BL24.W-8030 SPX.BL24.W-6025-EM25 SPX.BL24.W-8030 SPX.BL24.W-8030-EM25	Charge Time		25 hours
Circular beam pattern SPX-BL24-W-3030 SPX-BL24-W-3030-EM25 SPX-BL24-W-5050 SPX-BL24-W-5050-EM25 SPX-BL24-W-10210-EM25 SPX-BL24-W-120120 SPX-BL24-W-120120-EM25 SPX-BL24-W-120120-EM25 Elliptical beam pattern SPX-BL24-W-6025 SPX-BL24-W-6025-EM25 SPX-BL24-W-8030 SPX-BL24-W-6025-EM25 SPX-BL24-W-6025-EM25	Part Codes		
Elliptical beam pattern SPX-BL24-W-6025 SPX-BL24-W-6025-EM25 SPX-BL24-W-8030 SPX-BL24-W-8030-EM25 SPX-BL24-W-8030-EM25	Circular beam pattern	SPX-BL24-W-3030 SPX-BL24-W-5050	SPX-BL24-W-3030-EM25 SPX-BL24-W-5050-EM25
	Elliptical beam pattern	SPX-BL24-W-6025 SPX-BL24-W-8030	SPX-BL24-W-6025-EM25 SPX-BL24-W-8030-EM25

SPARTAR TRANSPORTABLE (Ex)

LED Friendly

SPARTAN Transportable uses CoolExtrude™ thermal management technology, ensuring a much cooler LED operating temperature. This provides up to 60% better heat dissipation compared to traditional lighting solutions and allows the product to operate for 10+ years in the most challenging environments.

Transportable

Fully transportable for use in a diverse range of applications.

Wide Operating Temperature

An operating temperature range of -50° C to $+55^{\circ}$ C with a T4/T5/T6 rating means SPARTAN Transportable is suitable for even the most challenging conditions.

Easy Maintenance

A maintenance friendly modular design allows quick and easy servicing and inspection of all key components including LED and PSU modules.

VARIO Technology

SPARTAN Transportable is available with a variety of different beam patterns, both circular and elliptical. Elliptical illumination angles can be altered on-site with our unique VARIO interchangeable lens system.* * Excludes SPARTAN Linear Transportable variants The SPARTAN Transportable range is also available in a number of other variants, including emergency and infra-red versions. Contact us for more information.





SPARTAN TRANSPORTABLE FLOOD WL24





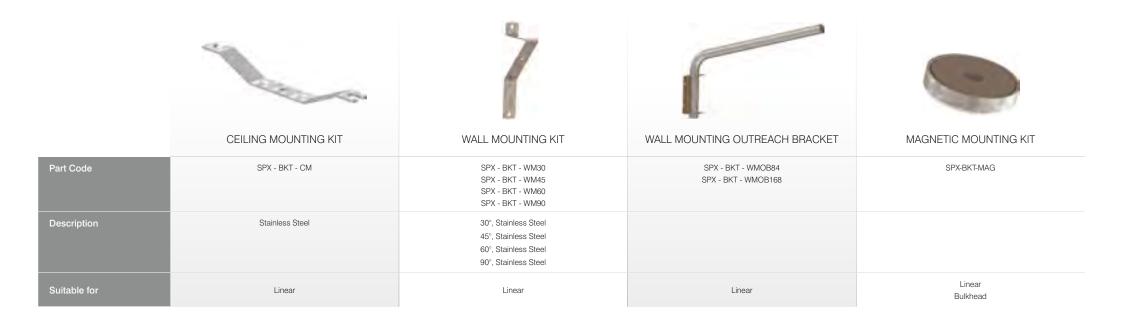


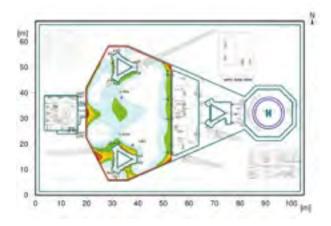
Certification	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2 (pending)	ATEX and IEC Ex rated for zone 1&2 Gas and Dust UL/CSA including C1D2 (pending)
Angles	10°x10° / 35°x10° / 60°x25° / 80°x30° 120°x50° / + 30, 50 and 120° circular options	10°x10° / 35°x10° / 60°x25° / 80°x30° 120°x50° / + 30, 50 and 120° circular options	
Input	110-254V 50/60Hz AC only 18-30V AC/DC	110-254V 50/60Hz AC only 18-30V AC/DC	110-254V 50/60Hz AC only 18-30V AC/DC
Beam Shape	Elliptical or Circular	Elliptical or Circular	
Beam Angle System	VARIO interchangeable lens system (elliptical) / Fixed (circular)	VARIO interchangeable lens system (elliptical) / Fixed (circular)	
Consumption	68W	34W	34W
LED type	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum SMT LEDs
Number of LEDS	24	24	84
Power output (luminous flux)	Up to 5,000 lm – circular beam patterns Up to 4,500 lm – elliptical beam patterns	Up to 2,500 lm – circular beam patterns Up to 2,250 lm – elliptical beam patterns	Equivalent to 2 x 18W T8 fluorescent
Wavelength	White-Light (also available in Infra-Red)	White-Light (also available in Infra-Red)	White-Light
IP Rating	IP66 and IP67	IP66 and IP67	IP66 and IP67
Temperature Range	-50°C to +55°C (-58°F to 131°F)	-50°C to +46°C (-58°F to 114°F)	-20°C to +55°C (-4°F to 131°F)
Colour Temperature (White-Light)	6,000K+	6,000K+	6,000K+
Colour	Silver/Grey	Silver/Grey	Silver/Grey
Weight	11kg (24.25lbs)	8kg (17.6lbs)	6kg (13.2lbs)
Dimensions	348 x 356 x 400mm (1.7 x 14 x 15.7")	348 x 356 x 400mm (1.7 x 14 x 15.7")	772 x 108 x 174mm (30.4 x 4.3 x 6.9")
Additional Features	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants (T4 as standard)	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4 and T5 Variants (T4 as standard)	CoolExtrude [™] Thermal Management Removable PSU and LED modules Smart access wiring system Photocell (optional) T4, T5 and T6 Variants (T4 as standard)

Part Codes

Circular beam pattern	SPX-FLT24-W-1010 SPX-FLT24-W-3030 SPX-FLT24-W-5050 SPX-FLT24-W-120120	SPX-BLT24-W-1010 SPX-BLT24-W-3030 SPX-BLT24-W-5050 SPX-BLT24-W-120120	Available on request
Elliptical beam pattern	SPX-FLT24-W-3510 SPX-FLT24-W-6025 SPX-FLT24-W-8030 SPX-FLT24-W-12050	SPX-BLT24-W-3510 SPX-BLT24-W-6025 SPX-BLT24-W-8030 SPX-BLT24-W-12050	Available on request

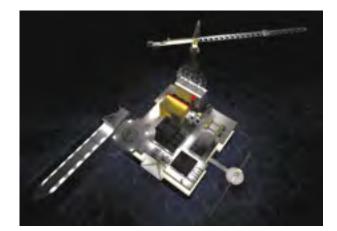
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	SAND BLAST SHIELD KIT	SUSPENSION CORD KIT	POLE CLAMP KIT	M8 EYE BOLT KIT
Part Code	SPX - BKT - SB	SPX - BKT - SC500 SPX - BKT - SC1000 SPX - BKT - SC1500	SPX - BKT - PC3841 SPX - BKT - PC4245 SPX - BKT - PC4851 SPX - BKT - PC5457 SPX - BKT - PC5962	SPX - BKT - EYE
Description		500mm Long, Stainless Steel 1000mm Long, Stainless Steel 1500mm Long, Stainless Steel	38-41mm Diameter, Stainless Steel 42-45mm Diameter, Stainless Steel 48-51mm Diameter, Stainless Steel 54-57mm Diameter, Stainless Steel 59-62mm Diameter, Stainless Steel	Stainless Steel
Suitable for	Flood Bulkhead	Flood Bulkhead Linear	Linear Bulkhead	Linear





2D Lighting Design

Detailed plan of the site Recommended product type Recommended number of lights Average, max and min light levels



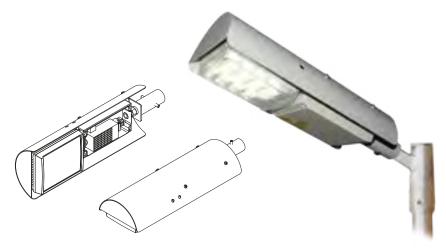
3D Lighting Design

Visual representation of the site Recommended product type Recommended number of lights Average, max and min light levels



Energy and Cost Saving Report

Customer specific survey Energy, CO2 savings and ROI Cost savings over 1,5 and 10 years



Special Operations Division

Custom-Built Product Design Bespoke Projects Challenging Applications



Hazardous Area Lighting with Worldwide Certification

Global HQ

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