LED Zone 1 Floodlight Standard Variants



The SPARTAN Flood range is designed specifically for hazardous environments which require high performance, high reliability, White-Light illumination. Using Raytec's field-proven, long-life LED technology SPARTAN floodlights are ATEX and IEC Ex approved for all Zone 1 applications, C1D2, UL, CSA, ABS and rated for T4, T5 and T6 environments.

SPARTAN Flood has been designed with maintenance in mind. A unique modular design allows key components to be easily accessed and serviced if required, making inspection and maintenance quicker and easier. It also allows for the most flexible installation. The PSU chassis can be removed and located remotely at ground level for areas with difficult access, while the compact design of the SPARTAN Flood FL12 means it is more suited to applications with restricted space.

SPARTAN Flood is available in a range of different beam patterns, both circular and elliptical, with revolutionary interchangeable VARIO lens inserts which can be easily altered on-site delivering the ultimate flexibility to specifiers, distributors and end users.

SPARTAN uses **COOLEXTRUDE™** thermal management technology, ensuring a much cooler LED operating temperature and up to 60% better heat dissipation compared to traditional lighting solutions, allowing the product to operate for > 10 years while still delivering a high lumen output of up to 2,500 lumens.

Key Features

- ATEX and IEC Ex approved Zone 1 UL/CSA approved, including C1D2 and ABS
- Ultra long life LED
- High lumen output LED
- Easy installation, maintenance and inspection
- Wide operating temperature range of -50° to +55°C
- VARIO lens technology easy modification of beam patterns
- Integral photocell (optional)
- 5 year warranty

Why Raytec

- UK Designed & Manufactured
- Manufacturing precision engineered LED products
- · Worldwide distributor support

- · Lighting design and full technical support
- ISO9001 and ISO140001 accredited
- Award Winning Technology



Fax: Email:

web:



Ultra-Powerful

High lumen output - up to 2,500 lumens Latest high power LED technology

Ultra-Flexible

Beam patterns from 10° to 120° both circular and elliptical

Operating temperature range of -50° C to $+55^{\circ}$ C with a T4/T5/T6 rating for even the most challenging conditions

Models incorporating VARIO Technology allow for easy modification of beam pattern

Ultra-Reliable

Industry leading 5 year warranty

Designed and manufactured in the UK to the highest standards including both ISO9001 & ISO14001 Advanced electronics and LED's protected by vibration resistant and water proof potting compound

Ultra-Modular

Both the LED and PSU modules are easily accessible for maintenance and inspection Available as a standard fitting only

Removable PSU housing allows power supply to be fitted remotely

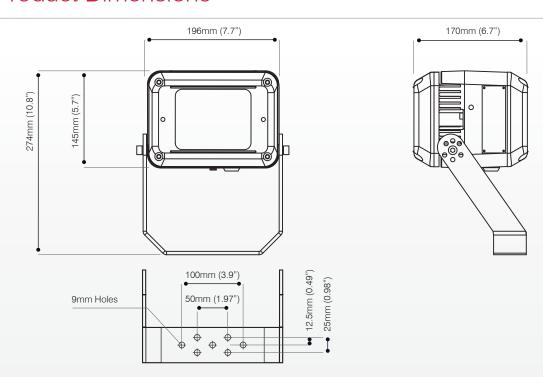
Ultra-Efficient

COOLEXTRUDE™ thermal management delivers class leading energy efficiency
Significant running and maintenance savings compared to traditional lighting technologies
SMART access wiring system for safe and efficient installation, set-up and ongoing inspection

Ultra-Support

Photometric files available (.ies & .ldt) Full Lighting Design Service

Site specific Energy and Cost Saving Report available





Certification

ATEX Rating: ATEX and IEC Ex rated for Gas and Dust

Hazardous Area rating: Zone 1 & 2 - Gas and Dust

Certificates: CML13ATEX3007 & IEC Ex CML 14.0001

UL/CSA, including C1D2

Gas: II 2 GD Ex emb IIC T5 or T4 Gb

Ta -50°C to +55°C II 2 GD Ex emb IIC T6 Gb Ta -50°C to +48°C

Dust: Ex tb IIIC T82°C Db

IP66 & IP67 -Ta -50°C to +55°C

North America Rating: Class I, Division 2 Groups A, B, C, D, T5

Class II, Division 1 & 2 Groups E, F, G

Class III, Division 1 & 2 NEMA 4x, IP66/IP67 UL50E, UL8750, UL 1203

C22.2 No

Emergency Variants - Certification Pending ABS Certificate # 15-LD1364539-1-PD

Electrical

Input: 110-254V 50/60Hz AC only

Low voltage option also available for standard variants only - 18-48V AC and 18-69V DC

Power: 34W

Termination: Incoming terminal block suitable for looping 4

core 4mm² cable

Power Factor >0.95

Cable entries 2xM20 as standard (other entries available upon

request), dispatched complete with one ATEX/

IEC Ex approved blanking plug 3/4" NPT as standard on C1D2

Optical

Beam Patterns-circular: 10°x 10° or 30°x 30°

or 50°x 50° or 120°x 120° (10 x 10 option can be upgraded to VABIO Technology)

to VARIO Technology)

Beam Patterns-elliptical: 35°x 10°or 60°x 25°

or 80°x 30° or 120°x 50° (VARIO) Lumen output on mains: Up to 2,500 lm – circular beam

patterns

Up to 2,250 lm - elliptical beam

patterns (VARIO)

LED type: Platinum Elite SMT LEDs

Number of LEDs: 12
CRI: 70+
Colour Temperature: 6,000K+

Mechanical/Environmental

Burning position: Universal
IP rating: IP66 & IP67
Temperature range: -50°C to +55°C
Weight: 5kg (11lbs)

Enclosure: Marine grade aluminium epoxy

powder coated, toughened glass, all external fasteners and brackets are marine grade stainless steel

Unit Colour: Silver (RAL 9006)

Installation instructions: Raytec ref 910-M-0094 -

please contact Raytec for copy

Dimensions: 196 x 274 x 170mm

(10.8 x 7.7 x 6.7")

Mounting: U bracket (see dimension drawings

on Page 2)

Circular beam pattern

Part Codes Description (T4 variants as standard)

SPX-FL12-W-1010	SPARTAN Flood, 12 LED, White-Light, 10°x 10° beam
SPX-FL12-W-3030	SPARTAN Flood, 12 LED, White-Light, 30°x 30° beam
SPX-FL12-W-5050	SPARTAN Flood, 12 LED, White-Light, 50°x 50° beam
SPX-FL12-W-120120	SPARTAN Flood, 12 LED, White-Light, 120°x 120° beam

Add -C1D2 to part code for North American standards

For options fitted with photocell add '-PC' to the above codes For low voltage options add '-LV' to the above codes Contact Raytec for T5 and T6 variants

Elliptical beam pattern

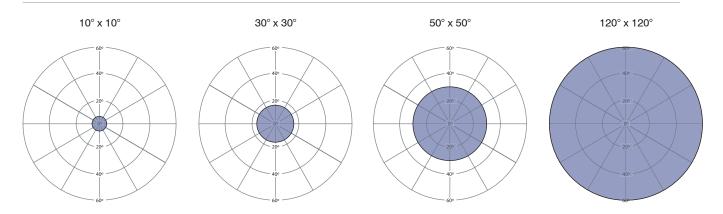
Part Codes	Description (T4 variants as standard)
SPX-FL12-W-3510	SPARTAN Flood, 12 LED, White-Light, 35°x 10° beam
SPX-FL12-W-6025	SPARTAN Flood, 12 LED, White-Light, 60°x 25° beam
SPX-FL12-W-8030	SPARTAN Flood, 12 LED, White-Light, 80°x 30° beam
SPX-FL12-W-12050	SPARTAN Flood, 12 LED, White-Light, 120°x 50° beam

Add -C1D2 to part code for North American standards

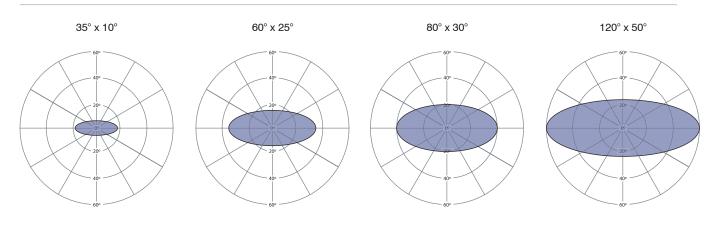
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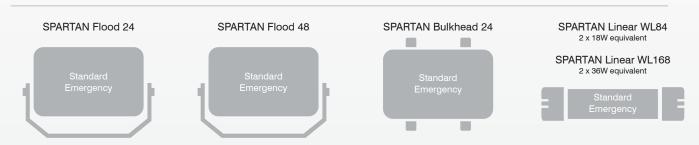


Beam patterns – Elliptical (VARIO)



Products in the SPARTAN Flood 12 range







LED Zone 1 Floodlight Standard and Emergency Variants



The SPARTAN Flood range is designed specifically for hazardous environments which require high performance, high reliability, White-Light illumination. Available in both standard and emergency versions and using Raytec's field-proven, long-life LED technology, SPARTAN floodlights are ATEX and IEC Ex approved for all Zone 1 applications, C1D2, UL, CSA, ABS and rated for T4, T5 and T6 environments.

SPARTAN Flood has been designed with maintenance in mind. A unique modular design allows key components to be easily accessed and serviced if required, making inspection and maintenance quicker and easier. It also allows for the most flexible installation. The PSU chassis can be removed and located remotely at ground level for areas with difficult access, while standard units can also be upgraded to an emergency fitting at any time with an additional battery back-up module.

SPARTAN Flood is available in a range of different beam patterns, both circular and elliptical, with revolutionary interchangeable VARIO lens inserts which can be easily altered on-site delivering the ultimate flexibility to specifiers, distributors and end users.

SPARTAN uses **COOLEXTRUDE™** thermal management technology, ensuring a much cooler LED operating temperature and up to 60% better heat dissipation compared to traditional lighting solutions, allowing the product to operate for > 10 years while still delivering a high lumen output of up to 5,000 lumens.

Key Features

- ATEX and IEC Ex approved Zone 1 UL/CSA approved, including C1D2 and ABS
- Ultra long life LED
- High lumen output LED
- Easy installation, maintenance and inspection
- · Emergency variants

- Wide operating temperature range of -50° to +55°C
- VARIO lens technology easy modification of beam patterns
- Integral photocell (optional)
- Clear external tear off strips on outer optics available
- 5 year warranty

Why Raytec

- UK Designed & Manufactured
- Manufacturing precision engineered LED products
- · Worldwide distributor support

- Lighting design and full technical support
- ISO9001 and ISO140001 accredited
- Award Winning Technology



Ultra-Powerful

High lumen output - up to 5,000 lumens Latest high power LED technology

Ultra-Flexible

Beam patterns from 10° to 120° both circular and elliptical.

Operating temperature range of -50°C to + 55°C with a T4/T5/T6 rating for even the most challenging conditions. (-20°C emergency variants)

Models incorporating VARIO Technology allow for easy modification of beam pattern.

Ultra-Reliable

Industry leading 5 year warranty

Designed and manufactured in the UK to the highest standards including both ISO9001 & ISO14001.

Advanced electronics and LED's protected by vibration resistant and water proof potting compound

Ultra-Modular

Both the LED and PSU modules are easily accessible for maintenance and inspection Available as a standard or emergency fitting – upgradeable on site. Removable PSU housing allows power supply to be fitted remotely

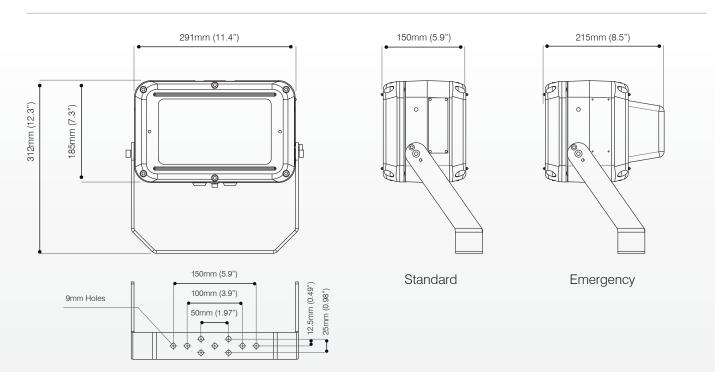
Ultra-Efficient

COOLEXTRUDE™ thermal management delivers class leading energy efficiency
Significant running and maintenance savings compared to traditional lighting technologies
SMART access wiring system for safe and efficient installation, set-up and ongoing inspection

Ultra-Support

Photometric files available (.ies & .ldt) Full Lighting Design Service

Site specific Energy and Cost Saving Report available





ATEX Rating: ATEX and IEC Ex rated for Gas and Dust

Hazardous Area rating: Zone 1 & 2 – Gas and Dust

Certificates: CML13ATEX3007 & IEC Ex CML 14.0001

UL/CSA, including C1D2

Gas: II 2 GD Ex emb IIC T5 or T4 Gb

Ta -50°C to +55°C (-20°C emergency variants)

II 2 GD Ex emb IIC T6 Gb

Ta -50°C to +48°C (-20°C emergency variants)

Dust: Ex tb IIIC T82°C Db

IP66 & IP67 -

Ta -50°C to +55°C (-20°C emergency variants)

North America Rating: Class I, Division 2 Groups A, B, C, D, T5

Class II, Division 1 & 2 Groups E, F, G

Class III, Division 1 & 2 NEMA 4x, IP66/IP67 UL50E, UL8750, UL 1203

C22.2 No

Emergency Variants - Certification Pending ABS Certificate # 15-LD1364539-1-PD

Electrical

Certification

Input: 110-254V 50/60Hz AC only

Low voltage option also available for standard variants only - 18-48V AC and 18-69V DC

Power: Standard - 68W

Emergency - 71W

Termination: Incoming terminal block suitable for looping 4 core

4mm² cable

Power Factor >0.95

Cable entries 2xM20 as standard (other entries available upon

request), dispatched complete with one ATEX/IEC Ex approved blanking plug 3/4" NPT as standard on C1D2

Optical

Beam Patterns-circular: 10°x 10° or 30°x 30° or 50°x 50° or 120°x 120°

(10 x 10 option can be upgraded to VARIO

Technology)

Beam Patterns-elliptical: 35°x 10°or 60°x 25°or 80°x 30° or 120°x 50° (VARIO)

Lumen output on mains: Up to 5,000 lm - circular beam patterns

Up to 4,500 lm – elliptical beam patterns (VARIO)

LED type: Platinum Elite SMT LEDs

 Number of LEDs:
 24

 CRI:
 70+

 Colour Temperature:
 6,000K+

Mechanical/Environmental

Burning position: Universal IP rating: IP66 & IP67

Temperature range: -50°C to +55°C (-20°C emergency variants)

Weight: Standard - 8kg (17.6lbs)
Emergency - 10Kg (22lbs)

Enclosure: Marine grade aluminium epoxy powder coated,

toughened glass, all external fasteners and brackets are marine grade stainless steel

Unit Colour: Silver (RAL 9006)

Red (RAL3024) - Emergency cover

Installation instructions: Raytec ref 910-M-0094 –

please contact Raytec for copy

Dimensions: Standard - 291 x 312 x 150mm (11.5 x 12.3 x 6")

Emergency - 291 x 312 x 215mm (11.5 x 12.3 x 8.5")

Mounting: U bracket (see dimension drawings on Page 2)

- complete with locking screw

Emergency

Charge time:

Duration: Up to 2hrs at 50% power

20 hours

Other options available

Battery: Ni/Cd 12V 4.5Ah

Circular beam pattern

Part Codes	Description (14 variants as standard)
SPX-FI 24-W-1010	SPARTAN Flood 24 LFD White-Light 10°x

SPX-FL24-W-1010	SPARTAN Flood, 24 LED, White-Light, 10°x 10° beam
SPX-FL24-W-3030	SPARTAN Flood, 24 LED, White-Light, 30°x 30° beam
SPX-FL24-W-5050	SPARTAN Flood, 24 LED, White-Light, 50°x 50° beam
SPX-FL24-W-120120	SPARTAN Flood, 24 LED, White-Light, 120°x 120° beam

Add -C1D2 to part code for North American standards

Elliptical beam pattern

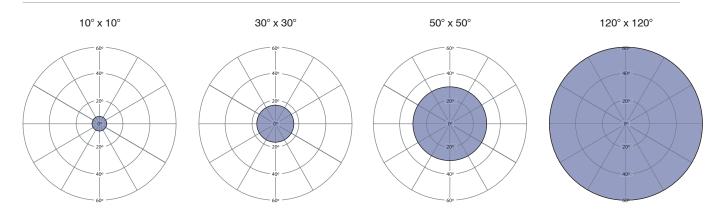
For emergency versions – add '-EM50' to the above codes For low voltage versions add '-LV' to the above codes For options fitted with photocell add '-PC' to the above codes Contact Raytec for T5 and T6 variants

Part Codes	Description (14 variants as standard)
SPX-FL24-W-3510	SPARTAN Flood, 24 LED, White-Light, 35°x 10° beam
SPX-FL24-W-6025	SPARTAN Flood, 24 LED, White-Light, 60°x 25° beam
SPX-FL24-W-8030	SPARTAN Flood, 24 LED, White-Light, 80°x 30° beam
SPX-FL24-W-12050	SPARTAN Flood, 24 LED, White-Light, 120°x 50° beam

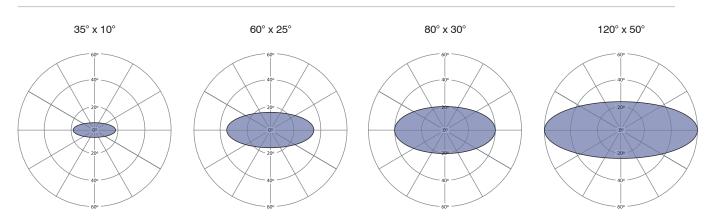
Add -C1D2 to part code for North American standards

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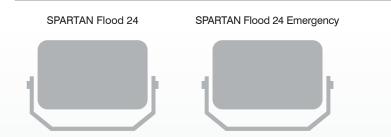


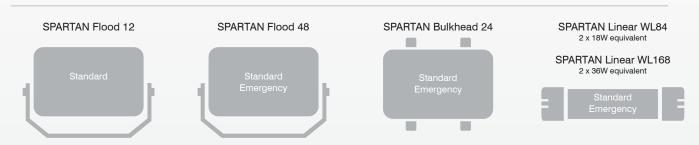


Beam patterns – Elliptical (VARIO)



Products in the SPARTAN Flood 24 range







LED Zone 1 Floodlight Standard and Emergency Variants



The SPARTAN Flood range is designed specifically for hazardous environments which require high performance, high reliability, White-Light illumination. Available in both standard and emergency versions and using Raytec's field-proven, long-life LED technology, SPARTAN floodlights are ATEX and IEC Ex approved for all Zone 1 applications, C1D2, UL, CSA, ABS and rated for T4, T5 and T6 environments.

SPARTAN Flood has been designed with maintenance in mind. A unique modular design allows key components to be easily accessed and serviced if required, making inspection and maintenance quicker and easier. It also allows for the most flexible installation. The PSU chassis can be removed and located remotely at ground level for areas with difficult access, while standard units can also be upgraded to an emergency fitting at any time with an additional battery back-up module.

SPARTAN Flood is available in a range of different beam patterns, both circular and elliptical, with revolutionary interchangeable VARIO lens inserts which can be easily altered on-site delivering the ultimate flexibility to specifiers, distributors and end users.

SPARTAN uses **COOLEXTRUDE™** thermal management technology, ensuring a much cooler LED operating temperature and up to 60% better heat dissipation compared to traditional lighting solutions, allowing the product to operate for > 10 years while still delivering a high lumen output of up to 10,000 lumens.

Key Features

- ATEX and IEC Ex approved Zone 1 UL/CSA approved, including C1D2 and ABS
- Ultra long life LED
- High lumen output LED
- Easy installation, maintenance and inspection
- · Emergency variants

- Wide operating temperature range of -50° to +55°C
- VARIO lens technology easy modification of beam patterns
- Integral photocell (optional)
- Clear external tear off strips on outer optics available
- 5 year warranty

Why Raytec

- UK Designed & Manufactured
- Manufacturing precision engineered LED products
- Worldwide distributor support

- · Lighting design and full technical support
- ISO9001 and ISO140001 accredited
- Award Winning Technology





Ultra-Powerful

High lumen output - up to 10,000 lumens Latest high power LED technology

Ultra-Flexible

Beam patterns from 10° to 120° both circular and elliptical.

Operating temperature range of -50°C to + 55°C with a T4/T5/T6 rating for even the most challenging conditions. (-20°C emergency variants)

Models incorporating VARIO Technology allow for easy modification of beam pattern.

Ultra-Reliable

Industry leading 5 year warranty

Designed and manufactured in the UK to the highest standards including both ISO9001 & ISO14001.

Advanced electronics and LED's protected by vibration resistant and water proof potting compound

Ultra-Modular

Both the LED and PSU modules are easily accessible for maintenance and inspection Available as a standard or emergency fitting – upgradeable on site. Removable PSU housings allows power supply to be fitted remotely

Ultra-Efficient

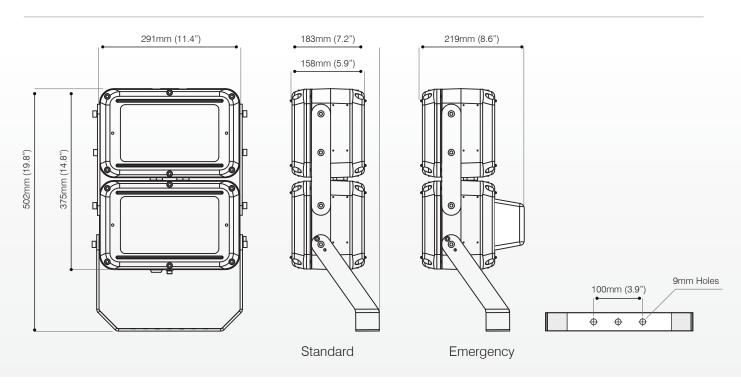
COOLEXTRUDE™ thermal management delivers class leading energy efficiency
Significant running and maintenance savings compared to traditional lighting technologies
SMART access wiring system for safe and efficient installation, set-up and ongoing inspection

Ultra-Support

Photometric files available (.ies & .ldt)

Full Lighting Design Service

Site specific Energy and Cost Saving Report available





ATEX Rating: ATEX and IEC Ex rated for Gas and Dust

Hazardous Area rating: Zone 1 & 2 – Gas and Dust

Certificates: CML13ATEX3007 & IEC Ex CML 14.0001

UL/CSA including C1D2

Gas: II 2 GD Ex emb IIC T5 or T4 Gb

Ta -50°C to +55°C (-20°C emergency variants)

II 2 GD Ex emb IIC T6 Gb

Ta -50°C to +48°C (-20°C emergency variants)

Dust: Ex tb IIIC T82°C Db

IP66 & IP67 -

Ta -50°C to +55°C (-20°C emergency variants)

North America Rating: Class I, Division 2 Groups A, B, C, D, T5

Class II, Division 1 & 2 Groups E, F, G

Class III, Division 1 & 2 NEMA 4x, IP66/IP67 UL50E, UL8750, UL 1203

C22.2 No

Emergency Variants - Certification Pending ABS Certificate # 15-LD1364539-1-PD

Electrical

Certification

Input: 110-254V 50/60Hz AC only

Low voltage option also available for standard variants only - 18-48V AC and 18-69V DC

Power: Standard - 136W

Emergency - 139W

Termination: Incoming terminal block suitable for looping 4 core

4mm² cable

Power Factor >0.95

Cable entries 2xM20 as standard (other entries available upon

request), dispatched complete with one ATEX/IEC Ex approved blanking plug 3/4" NPT as standard on C1D2

Optical

Beam Patterns-circular: 10°x 10° or 30°x 30° or 50°x 50° or 120°x 120°

(10 x 10 option can be upgraded to VARIO

Technology)

Beam Patterns-elliptical: 35°x 10°or 60°x 25°or 80°x 30° or 120°x 50° (VARIO)

Lumen output on mains: Up to 10,000 lm – circular beam patterns

Up to 9,000 lm - elliptical beam patterns (VARIO)

LED type: Platinum Elite SMT LEDs

Number of LEDs: 48
CRI: 70+
Colour Temperature: 6,000K+

Mechanical/Environmental

Burning position: Universal IP rating: IP66 & IP67

Temperature range: -50°C to +55°C (-20°C emergency variants)

Weight: Standard - 16kg (35.2lbs) Emergency - 20Kg (44lbs)

Enclosure: Marine grade aluminium epoxy powder coated,

toughened glass, all external fasteners and brackets are marine grade stainless steel

Unit Colour: Silver (RAL 9006)

Red (RAL3024) - Emergency cover

Installation instructions: Raytec ref 910-M-0094 –

please contact Raytec for copy

Dimensions: Standard - 291 x 502 x 158mm (11.5 x 19.8 x 6.2")

Emergency - 291 x 502 x 219mm (11.5 x 19.8 x 8.6")

Mounting: U bracket (see dimension drawings on Page 2)

- complete with locking screw

Emergency

Charge time:

Duration: Up to 2hrs at 25% power (1x battery unit)

20 hours

Other options available

Battery: Ni/Cd 12V 4.5Ah

Circular beam pattern

Part Codes	Description (14 variants as standard)

SPX-FL48-W-1010	SPARTAN Flood, 48 LED, White-Light, 10°x 10° beam
SPX-FL48-W-3030	SPARTAN Flood, 48 LED, White-Light, 30°x 30° beam
SPX-FL48-W-5050	SPARTAN Flood, 48 LED, White-Light, 50°x 50° beam
SPX-FL48-W-120120	SPARTAN Flood, 48 LED, White-Light, 120°x 120° beam

Add -C1D2 to part code for North American standards

Elliptical beam pattern

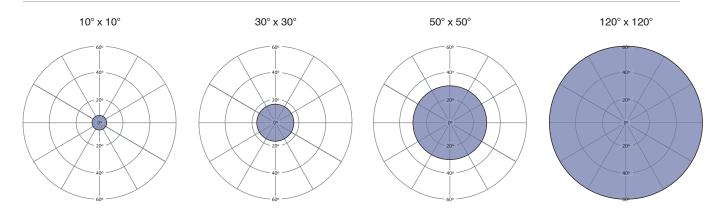
For emergency versions add '-EM25' to the above codes For standard versions add '-LV' to the above codes For options fitted with photocell add '-PC' to the above codes Contact Raytec for T5 and T6 varianrs

Part Codes	Description (T4 variants as standard)
SPX-FL48-W-3510	SPARTAN Flood, 48 LED, White-Light, 35°x 10° beam
SPX-FL48-W-6025	SPARTAN Flood, 48 LED, White-Light, 60°x 25° beam
SPX-FL48-W-8030	SPARTAN Flood, 48 LED, White-Light, 80°x 30° beam
SPX-FL48-W-12050	SPARTAN Flood, 48 LED, White-Light, 120°x 50° beam

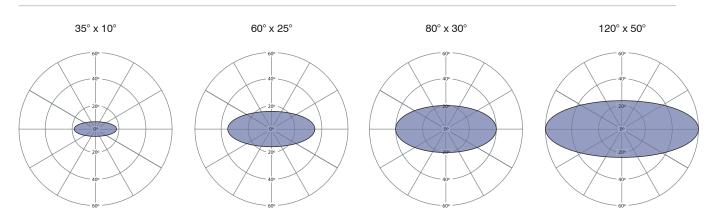
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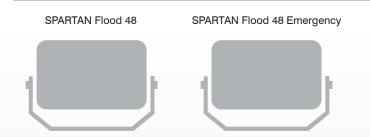


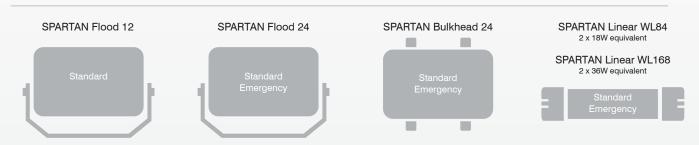


Beam patterns – Elliptical (VARIO)



Products in the SPARTAN Flood 48 range







LED Zone 1 Floodlight Standard and Emergency Variants



The SPARTAN Flood range is designed specifically for hazardous environments which require high performance, high reliability, White-Light illumination. Available in both standard and emergency versions and using Raytec's field-proven, long-life LED technology, SPARTAN floodlights are ATEX and IEC Ex approved for all Zone 1 applications, C1D2, UL, CSA, ABS and rated for T4 environments.

SPARTAN Flood has been designed with maintenance in mind. A unique modular design allows key components to be easily accessed and serviced if required, making inspection and maintenance quicker and easier. It also allows for the most flexible installation. The PSU chassis can be removed and located remotely at ground level for areas with difficult access, while standard units can also be upgraded to an emergency fitting at any time with an additional battery back-up module.

SPARTAN Flood is available in a range of different beam patterns, both circular and elliptical, with revolutionary interchangeable VARIO lens inserts which can be easily altered on-site delivering the ultimate flexibility to specifiers, distributors and end users.

SPARTAN uses **COOLEXTRUDE™** thermal management technology, ensuring a much cooler LED operating temperature and up to 60% better heat dissipation compared to traditional lighting solutions, allowing the product to operate for > 10 years while still delivering a high lumen output of up to 15,000 lumens.

Key Features

- ATEX and IEC Ex approved Zone 1 UL/CSA approved, including C1D2 and ABS
- Ultra long life LED
- High lumen output LED
- Easy installation, maintenance and inspection
- Emergency variants
- Wide operating temperature range of -50° to +55°C

- VARIO lens technology easy modification of beam patterns
- Integral photocell (optional)
- Anchor point for safety suspension cord
- Clear external tear off strips on outer optics available
- 5 year warranty

Why Raytec

- UK Designed & Manufactured
- Manufacturing precision engineered LED products
- Worldwide distributor support

- Lighting design and full technical support
- ISO9001 and ISO140001 accredited
- Award Winning Technology





Ultra-Powerful

High lumen output - up to 15,000 lumens Latest high power LED technology

Emergency variant provides up to 33% light output under emergency conditions.

Ultra-Flexible

Beam patterns from 10° to 120° both circular and elliptical.

Operating temperature range of -50°C to + 55°C with a T4 rating for even the most challenging conditions. (-20°C emergency variants)

Models incorporating VARIO Technology allow for easy modification of beam pattern.

Ultra-Reliable

Industry leading 5 year warranty

Designed and manufactured in the UK to the highest standards including both ISO9001 &

Advanced electronics and LED's protected by vibration resistant and water proof potting compound

Ultra-Modular

Both the LED and PSU modules are easily accessible for maintenance and inspection Available as a standard or emergency fitting – upgradeable on site. Removable PSU housings allows power supply to be fitted remotely

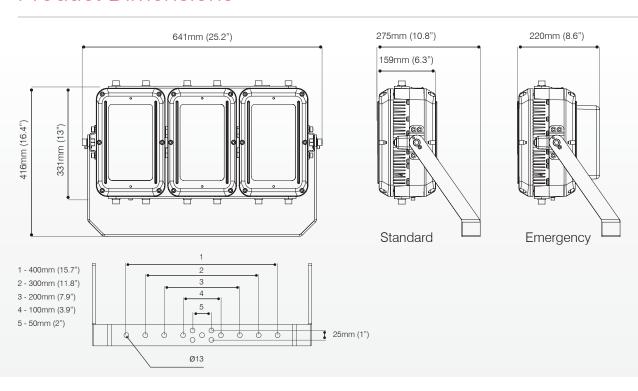
Ultra-Efficient

COOLEXTRUDE™ thermal management delivers class leading energy efficiency Significant running and maintenance savings compared to traditional lighting technologies SMART access wiring system for safe and efficient installation, set-up and ongoing inspection

Ultra-Support

Photometric files available (.ies & .ldt) Full Lighting Design Service

Site specific Energy and Cost Saving Report available



Certification

ATEX Rating: ATEX and IEC Ex rated for Gas and Dust

Hazardous Area rating: Zone 1 & 2 - Gas and Dust

Certificates: CML13ATEX3007 & IEC Ex CML 14.0001

UL/CSA including C1D2

Gas: II 2 GD Ex emb IIC T4 Gb

Ta -50°C to +55°C (-20°C emergency variants)

Dust: Ex tb IIIC T82°C Db

IP66 & IP67 -

Ta -50°C to +55°C (-20°C emergency variants)

North America Rating: Class I, Division 2 Groups A, B, C, D, T5
Class II, Division 1 & 2 Groups E, F, G

Class III, Division 1 & 2 NEMA 4x, IP66/IP67 UL50E, UL8750, UL 1203

C22.2 No

Emergency Variants - Certification Pending ABS Certificate # 15-LD1364539-1-PD

Electrical

Input: 110-254V 50/60Hz AC only

Low voltage option also available for standard

variants only - 18-48V AC and 18-69V DC

Power: Standard - 204W

Emergency - 207W

Termination: Incoming terminal block suitable for looping 4 core

4mm² cable

Power Factor >0.95

Cable entries 2xM20 as standard (other entries available upon

request), dispatched complete with one ATEX/IEC Ex approved blanking plug 3/4" NPT as standard on C1D2

Optical

Beam Patterns-circular: 10°x 10° or 30°x 30° or 50°x 50° or 120°x 120°

(10 x 10 option can be upgraded to VARIO

Technology)

Beam Patterns-elliptical: 35°x 10°or 60°x 25°or 80°x 30° or 120°x 50° (VARIO)

Lumen output on mains: Up to 15,000 lm – circular beam patterns

Up to 13,500 lm - elliptical beam patterns (VARIO)

LED type: Platinum Elite SMT LEDs

 Number of LEDs:
 72

 CRI:
 70+

 Colour Temperature:
 6,000K+

Mechanical/Environmental

Burning position: Universal IP rating: IP66 & IP67

Temperature range: -50°C to +55°C (-20°C emergency variants)

Weight: Standard - 27kg (59.5lbs)

Emergency - 29Kg (63.9lbs)

Enclosure: Marine grade aluminium epoxy powder coated,

toughened glass, all external fasteners and brackets are marine grade stainless steel

Unit Colour: Silver (RAL 9006)

Red (RAL3024) - Emergency cover

Installation instructions: Raytec ref 910-M-0094 –

please contact Raytec for copy

Dimensions: Standard - 641 x 416 x 159mm (25.2 x 16.4 x 6.3")

Emergency - 641 x 416 x 220mm (25.2 x 16.4 x 8.6")

U bracket (see dimension drawings on Page 2)

- complete with locking screw

Emergency

Charge time:

Mountina:

Duration: Up to 90 mins at 17% power

20 hours

Other options available

Battery: Ni/Cd 12V 4.5Ah

Circular beam pattern

Part Codes	Description (T4 variants as standard)
SPX-FL72-W-1010	SPARTAN Flood, 72 LED, White-Light, 10°x 10° beam
SPX-FL72-W-3030	SPARTAN Flood, 72 LED, White-Light, 30°x 30° beam
SPX-FL72-W-5050	SPARTAN Flood, 72 LED, White-Light, 50°x 50° beam
SPX-FL72-W-120120	SPARTAN Flood, 72 LED, White-Light, 120°x 120° beam

Add -C1D2 to part code for North American standards

Elliptical beam pattern

Part Codes

Description (T4 variants as standard)

SPX-FL72-W-3510

SPARTAN Flood, 72 LED, White-Light, 35°x 10° beam

SPX-FL72-W-6025

SPARTAN Flood, 72 LED, White-Light, 60°x 25° beam

SPX-FL72-W-8030

SPARTAN Flood, 72 LED, White-Light, 80°x 30° beam

SPX-FL72-W-12050

SPARTAN Flood, 72 LED, White-Light, 120°x 50° beam

Add -C1D2 to part code for North American standards

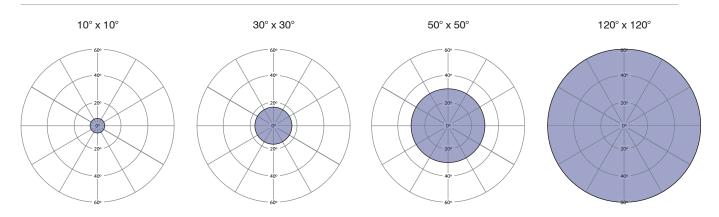
For emergency versions – add '-EM17' to the above codes For standard versions add '-LV' to the above codes For options fitted with photocell add '-PC' to the above codes Contact Raytec for T5 and T6 varianrs

For emergency versions add '-EM17' to the above codes

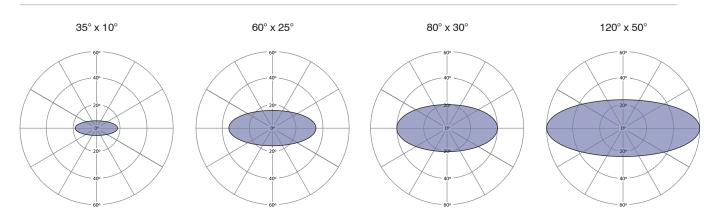
For standard versions add '-LV' to the above codes
For options fitted with photocell add '-PC' to the above codes







Beam patterns – Elliptical (VARIO)



Products in the SPARTAN Flood 72 range

