

SPARTAN SPX
LED Zone 1/21 Mid Power Bay Light



Power / Performance

High lumen output up to 15,000 lumens, designed to directly replace traditional discharge light sources up to 250W SON.



Robust and Durable

Robust and durable construction from marine grade aluminium and with a wide operating temperature for even the most challenging conditions.



Easy Maintenance

Featuring a unique modular design, key components are easily accessible for straightforward maintenance and inspection.



Multiple Beam Angles

Available with a range of beam patterns to effectively light up large open areas. The use of secondary optics means no loss of output on wider angles.

5 YEAR WARRANTY

All Raytec luminaires are provided with an industry leading 5 year warranty and have an expected useful life in excess of 10 years. See Warranty Statement for details.



Technical Specifications

Certification

| | |
|-----------------------|--|
| ATEX Rating | ATEX, UKEX and IEC Ex rated for Gas and Dust |
| Hazardous Area Rating | Zone 1 (Gas), Zone 21(Dust) |
| Certificates | CML21ATEX3317 & IEC Ex CML21.0037 or CML21UKEX3319 |
| Gas | II 2 G D Ex eb mb IIC T4 Gb Ta= -40°C to +60°C |
| Dust | Ex tb IIIC T90°C Db Ta= -40°C to +60°C |

Electrical

| | 5K | 7.5K | 10K | 12.5K | 15K |
|---------------|--|-------|-------|-------|-------|
| Input | 110-277V 50/60Hz AC only | | | | |
| Power | 40W | 60W | 80W | 100W | 120W |
| Termination | Incoming terminal block suitable for looping 4 core 4mm ² cable | | | | |
| Power Factor | >0.95 | >0.95 | >0.95 | >0.95 | >0.95 |
| Cable Entries | 2xM20 as standard (other entries available upon request), dispatched complete with one ATEX/IEC Ex/UKEX approved blanking plug | | | | |

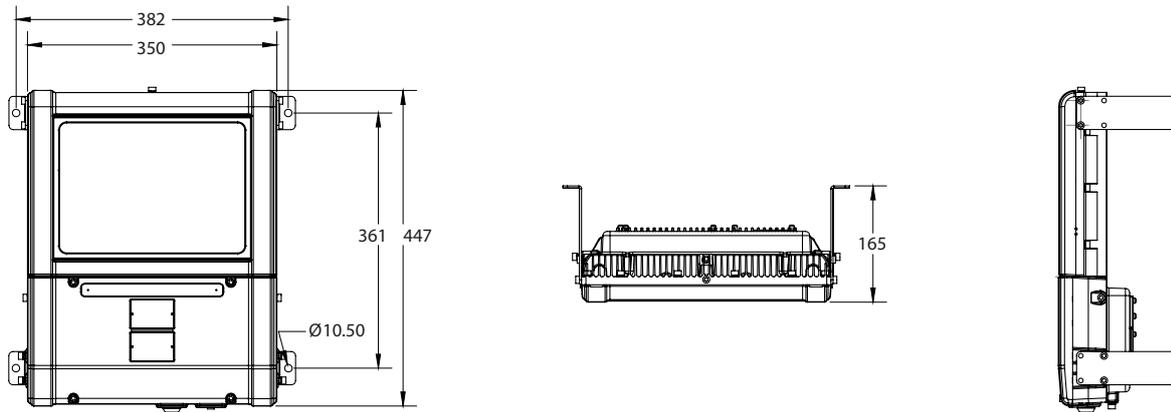
Optical

| | 5K | 7.5K | 10K | 12.5K | 15K |
|---------------------|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Beam Patterns | 30° x 30° or 60° x 60° or 90° x 90° | | | | |
| Lumen Output (upto) | 4,792lm | 7,132lm | 9,585lm | 11,981lm | 14,263lm |
| LED Type | Platinum Elite SMT LEDs | Platinum Elite SMT LEDs | Platinum Elite SMT LEDs | Platinum Elite SMT LEDs | Platinum Elite SMT LEDs |
| Number of LEDs | 24 | 24 | 48 | 48 | 48 |
| CRI | 70+ | 70+ | 70+ | 70+ | 70+ |
| Colour Temperature | 5,700K | 5,700K | 5,700K | 5,700K | 5,700K |

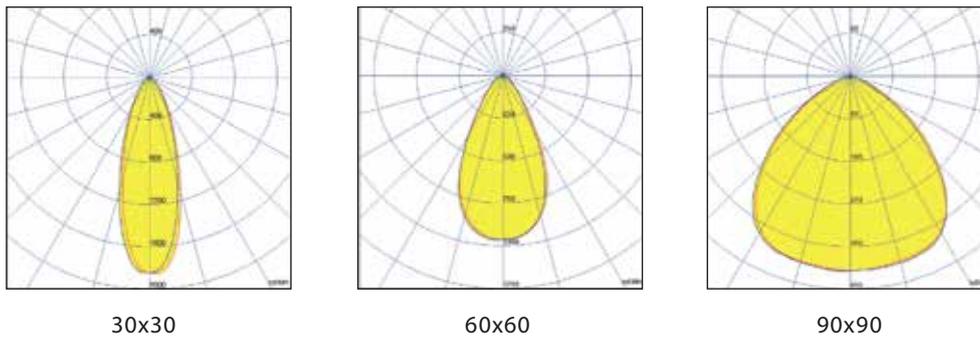
Mechanical

| | 5K | 7.5K | 10K | 12.5K | 15K |
|---------------------------|---|------------------|------------------|------------------|------------------|
| Burning Position | Universal | Universal | Universal | Universal | Universal |
| IP Rating | IP66 & IP67 | IP66 & IP67 | IP66 & IP67 | IP66 & IP67 | IP66 & IP67 |
| Temperature Range | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C |
| Weight | 13.2kg (29.1lbs) | 13.2kg (29.1lbs) | 13.2kg (29.1lbs) | 13.2kg (29.1lbs) | 13.2kg (29.1lbs) |
| 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 | Please see document 1250-D-00005 at www.rayteclcd.com | | | | |
| Dimensions | 446mm x 382mm x 165mm (17.5 x 15 x 6.5") | | | | |
| Mounting | Stirrup bracket (see dimension drawings on Page 3) | | | | |

Product Dimensions



Beam patterns



30x30

60x60

90x90

Part Code Builder

SPARTAN Mid Power Bay

Example - SPX-MPBY15K-W-9090

| Family | Model | Light Type | Optics | CCT | Entry |
|--------|----------|----------------|--------|--------------------|------------------|
| SPX | MPBY5K | W- White Light | 3030 | NOT STATED - 5700K | Not Stated - M20 |
| | MPBY7K5 | | 6060 | 4K - 4000K | M25 |
| | MPBY10K | | 9090 | | |
| | MPBY12K5 | | | | |
| | MPBY15K | | | | |