

# WARRIOR LED Industrial SPI Floodlight



**rayTEC**<sup>®</sup>



## Robust and Durable

Designed from marine grade aluminium and able to withstand the most extreme environments.



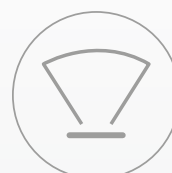
## Emergency

Available as an emergency variant, and capable of providing up to 100% light output in emergency mode.



## Easy Maintenance

Featuring a unique modular design, key components such as the LED and PSU modules are easily accessible for straightforward maintenance and inspection.



## Beam Angles

Available in a range of different beam patterns, both circular and elliptical.

## 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

| Electrical    | FL24                                                                                                                      | FL24-EM                  | FL48                                                             | FL48-EM                  |
|---------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------|--------------------------|
| Input         | 110-254V 50/60Hz AC only<br>Low voltage: 18-48V AC and 18-69V DC                                                          | 110-254V 50/60Hz AC only | 110-254V 50/60Hz AC only<br>Low voltage: 18-48V AC and 18-69V DC | 110-254V 50/60Hz AC only |
| Power         | 68W                                                                                                                       | 71W                      | 136W                                                             | 139W                     |
| Termination   | Incoming terminal block suitable for looping 4 core 4mm <sup>2</sup> cable (6mm <sup>2</sup> available - POA)             |                          |                                                                  |                          |
| Power Factor  | >0.95                                                                                                                     |                          |                                                                  |                          |
| Cable Entries | 2xM20 as standard (other entries available upon request), dispatched complete with one ATEX/IEC Ex approved blanking plug |                          |                                                                  |                          |

| Optical                       | FL24                                                                                                                                                            | FL24-EM | FL48                                                                                                                                                                    | FL48-EM |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Beam Patterns<br>- Circular   | 10°x 10° or 30°x 30° or 50°x 50° or 120°x 120°                                                                                                                  |         |                                                                                                                                                                         |         |
| Beam Patterns<br>- Elliptical | 35°x 10° or 60°x 25° or 80°x 30° or 120°x 50° (VARIO)                                                                                                           |         |                                                                                                                                                                         |         |
| Lumen output<br>on mains      | 10°x10° - 9304lm<br>30°x30° - 8502lm<br>35°x10° - 8248lm<br>50°x50° - 8700lm<br>60°x25° - 8140lm<br>80°x30° - 7948lm<br>120°x50° - 7112lm<br>120°x120° - 6174lm |         | 10°x10° - 18608lm<br>30°x30° - 17004lm<br>35°x10° - 16496lm<br>50°x50° - 17400lm<br>60°x25° - 16280lm<br>80°x30° - 15896lm<br>120°x50° - 14224lm<br>120°x120° - 12348lm |         |
| LED type                      | Platinum Elite SMT LEDs                                                                                                                                         |         |                                                                                                                                                                         |         |
| Number of LEDs                | 24                                                                                                                                                              |         | 48                                                                                                                                                                      |         |
| CRI                           | 70+                                                                                                                                                             |         |                                                                                                                                                                         |         |
| Colour Temperature            | 6500K as standard (other CCTs available)                                                                                                                        |         |                                                                                                                                                                         |         |

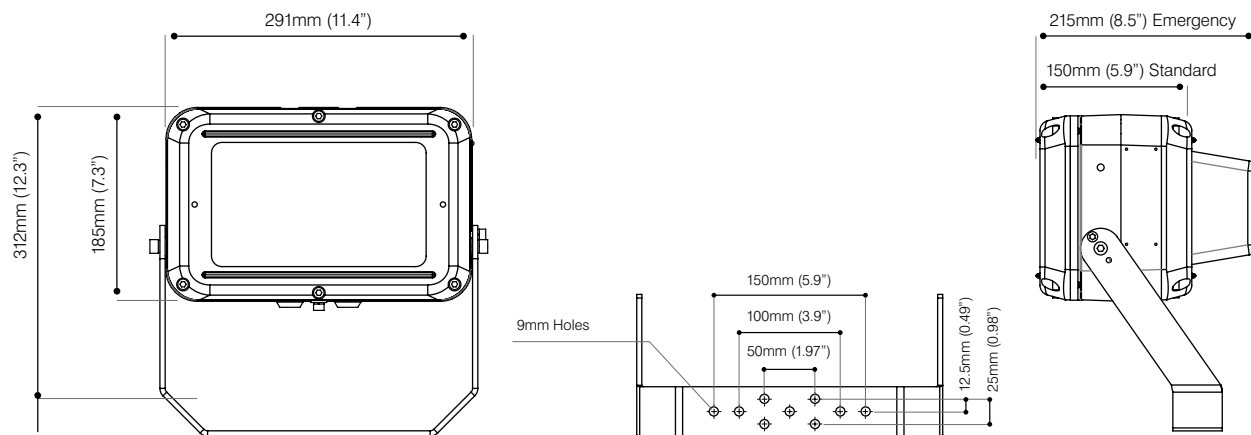
| Mechanical                | FL24                                                                                                                              | FL24-EM                                              | FL48                                   | FL48-EM                                              |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------|------------------------------------------------------|
| Burning Position          | Universal                                                                                                                         |                                                      |                                        |                                                      |
| IP Rating                 | IP66/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 (-58°F to +131°F)       | -20°C to +55°C (-4°F to +131°F)                      |
| Weight                    | 8kg (17.6lbs)                                                                                                                     | 10kg (22lbs)                                         | 16kg (35.3lbs)                         | 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)                                                                                                                 | Silver (RAL 9006)<br>Red (RAL3024) - Emergency Cover | Silver (RAL 9006)                      | Silver (RAL 9006)<br>Red (RAL3024) - Emergency Cover |
| Installation instructions | Please see document 0910-D-00042 at <a href="http://www.raytecled.com">www.raytecled.com</a>                                      |                                                      |                                        |                                                      |
| Battery care instructions | Please see document 0010-D-00001 at <a href="http://www.raytecled.com">www.raytecled.com</a>                                      |                                                      |                                        |                                                      |
| Spare part availability:  | For detailed information on spare part availability please contact Raytec                                                         |                                                      |                                        |                                                      |
| Dimensions                | 291 x 312 x 150mm (11.5 x 12.3 x 6")                                                                                              | 291 x 312 x 215mm (11.5 x 12.3 x 8.5")               | 291 x 502 x 158mm (11.5 x 19.8 x 6.2") | 291 x 502 x 219mm (11.5 x 19.8 x 8.6")               |
| Mounting                  | U bracket (as shown on next page).                                                                                                |                                                      |                                        |                                                      |

## Technical Specifications - Continued

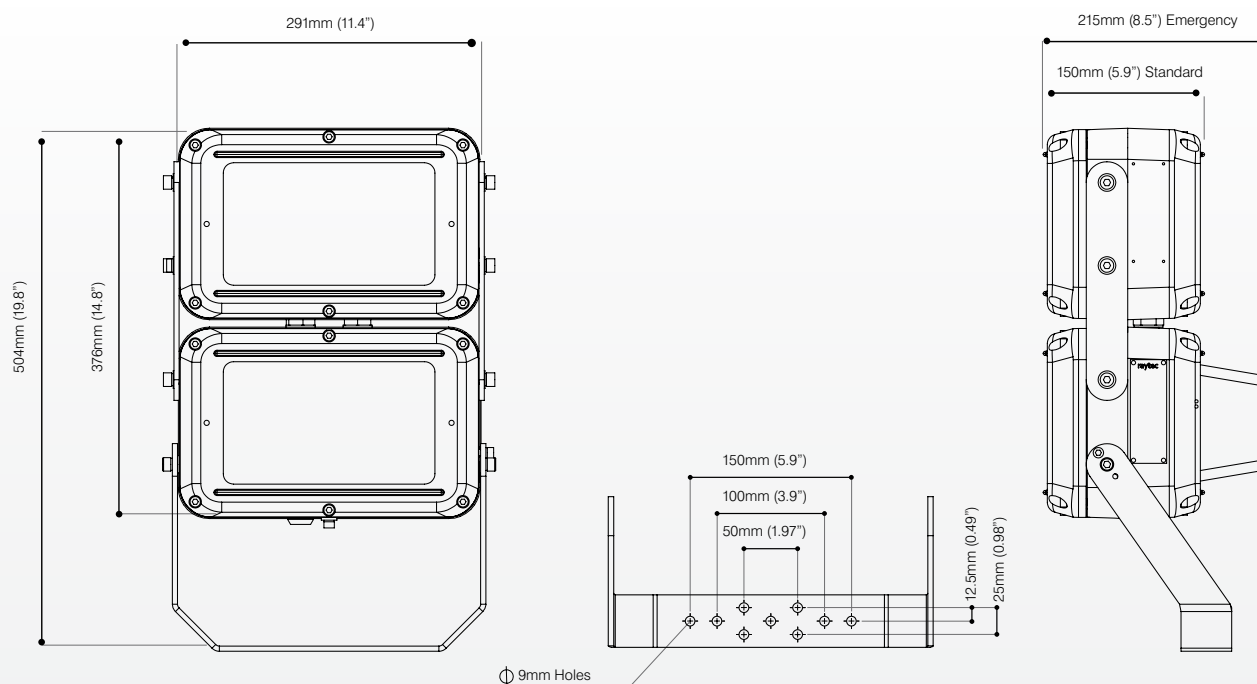
| Emergency             | FL24-EM                                        | FL48-EM                                        |
|-----------------------|------------------------------------------------|------------------------------------------------|
| Emergency Duration    | 90mins at 50% power<br>Other options available | 90mins at 25% power<br>Other options available |
| Emergency Battery     | Ni/Cd 12V 4.5Ah                                |                                                |
| Emergency Charge Time | 20 hours                                       |                                                |

## Product Dimensions

### FL24

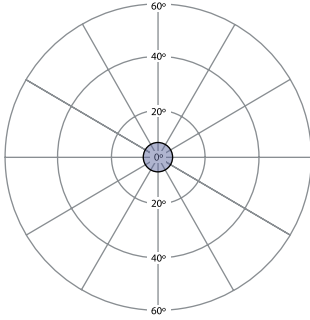


### FL48

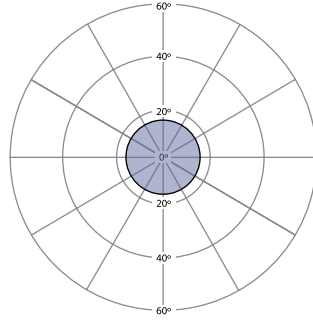


## Beam patterns - Circular

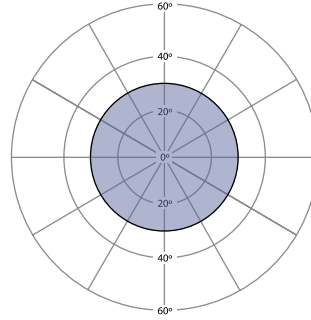
10° x 10°



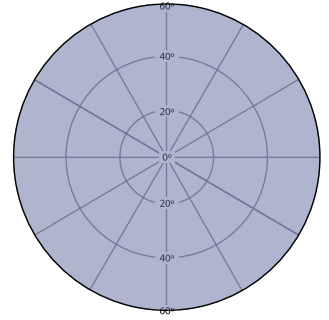
30° x 30°



50° x 50°

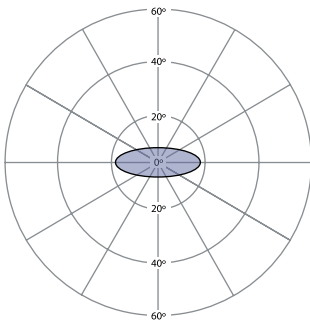


120° x 120°

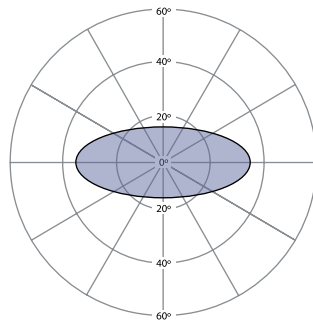


## Beam patterns – Elliptical (VARIO)

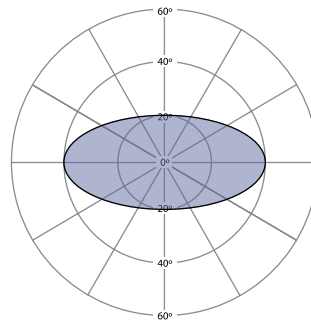
35° x 10°



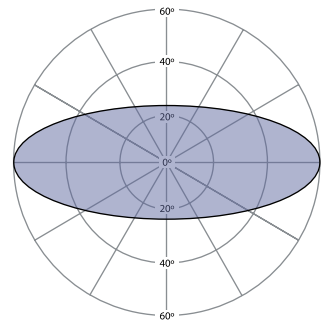
60° x 25°



80° x 30°



120° x 50°



## Part Code Builder

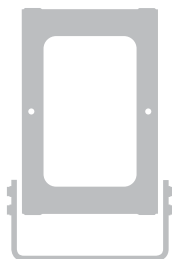
### Industrial

Example - SPI-FL24-W-1010-EM25

| Family | Model | Light Type      | Optic  | Emergency           | CCT                | Power                          | Entry            |
|--------|-------|-----------------|--------|---------------------|--------------------|--------------------------------|------------------|
| SPI    | FL24  | W - White Light | 1010   | Not Stated - Non Em | Not Stated - 6000k | Not Stated - Standard Mains    | Not Stated - M20 |
|        | FL48  | I - Infra-Red   | 3030   | EM25 (FL48)         | 4K - 4000k         | LV - Low Voltage (Non EM only) | M25              |
|        |       |                 | 5050   | EM50 (FL24)         |                    |                                |                  |
|        |       |                 | 120120 |                     |                    |                                |                  |
|        |       |                 | 3510   |                     |                    |                                |                  |
|        |       |                 | 6025   |                     |                    |                                |                  |
|        |       |                 | 8030   |                     |                    |                                |                  |
|        |       |                 | 12050  |                     |                    |                                |                  |

Other options available, contact Raytec.

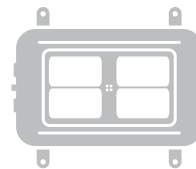
## Products in the WARROR Family



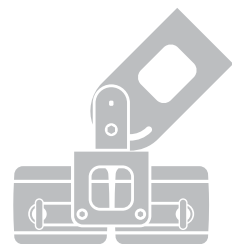
WARRIOR Flood



WARRIOR Linear



WARRIOR Bulkhead



WARRIOR Crane

## Disclaimer

The information provided in this document was accurate at the time of its creation. However, due to the evolving nature of our products and continuous improvements, there may be changes or updates that occur after its publication.

For the most current and detailed information about our products, please contact our sales team at [sales@raytecled.com](mailto:sales@raytecled.com).