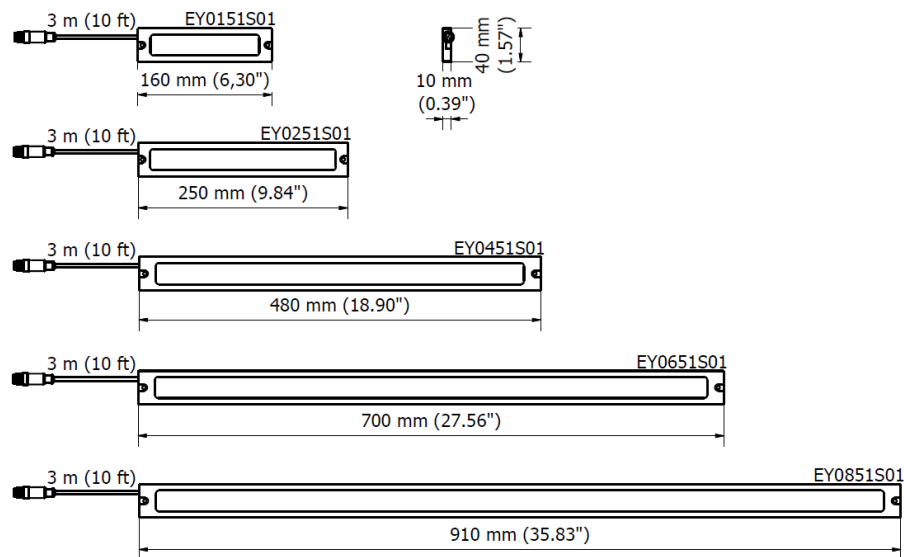




The EPSYLON RGBW line luminaires offer a single solution to lighting and signaling problems. In the same structure, white LEDs are used for general lighting and RGB LEDs to indicate the status of the machines and production processes. By combining and adjusting RGB colors it is possible to obtain different chromatic effects. The waterproof structure allows it to be used even in humid and harsh environments. Easy to install even with dedicated accessories that allow adjustment of the light direction.

- White 6500 K (+/-200 K) + RED/GREEN/BLUE color light (common cathod)
- Structure made of anodized aluminum
- Ultra-low profile: 10 mm
- Front protection in polyurethane resin
- 5 power sizes from 5 to 42 W to meet any work-area criteria
- LED lifespan: 60,000 hours constantly > (L 70)
- 24 Vdc via M12-connector 5P

DIMENSIONS



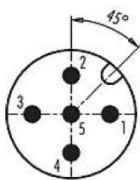
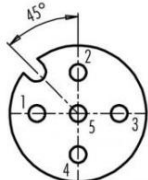
MECHANICAL FEATURES

| Model | EY0151S01 | EY0251S01 | EY0451S01 | EY0651E01 | EY0851S01 |
|-----------------------|---|----------------------|----------------------|----------------------|----------------------|
| Casing Material | Anodized aluminum | | | | |
| Surface Treatment | Standard: 10 microns of natural aluminum solution oxidation | | | | |
| Front Glass | polyurethane resin | | | | |
| Weight | 0,28 kg (0,62 lb) | 0,36 kg (0,79 lb) | 0,56 kg (1,23 lb) | 0,76 kg (1,68 lb) | 0,96 kg (2,12 lb) |
| Protection Index | IP68 | | | | |
| Impact Resistance | 1.00 N m/s | | | | |
| Operating Temperature | 04°F (-20°C) to +113°F (+ 45°C) | | | | |
| Installation | EYFX01 / EYFX02 | | | | |

ELECTRICAL FEATURES

| Model | EY0151S01 | EY0251S01 | EY0451S01 | EY0651E01 | EY0851S01 |
|-----------------------|--|-----------|-----------|-----------|-----------|
| Power (6500K) | 5,5 W | 11 W | 22 W | 33 W | 44 W |
| Power (Red) | 1,9 W | 3,8 W | 7,6 W | 11,4 W | 15,2 W |
| Power (Green) | 0,7 W | 1,4 W | 2,8 W | 4,2 W | 5,6 W |
| Power (Blue) | 1,7 W | 3,4 W | 6,8 W | 10,2 W | 13,6 W |
| Power Supply | 24 Vdc +/-5% – common cathode | | | | |
| Electrical Connection | M12-A 5P M connector with PUR/PVC cable L. 3 m | | | | |
| Insulation Class | Class III (SELV) | | | | |

CONNECTION with M12-5P Male A Coding

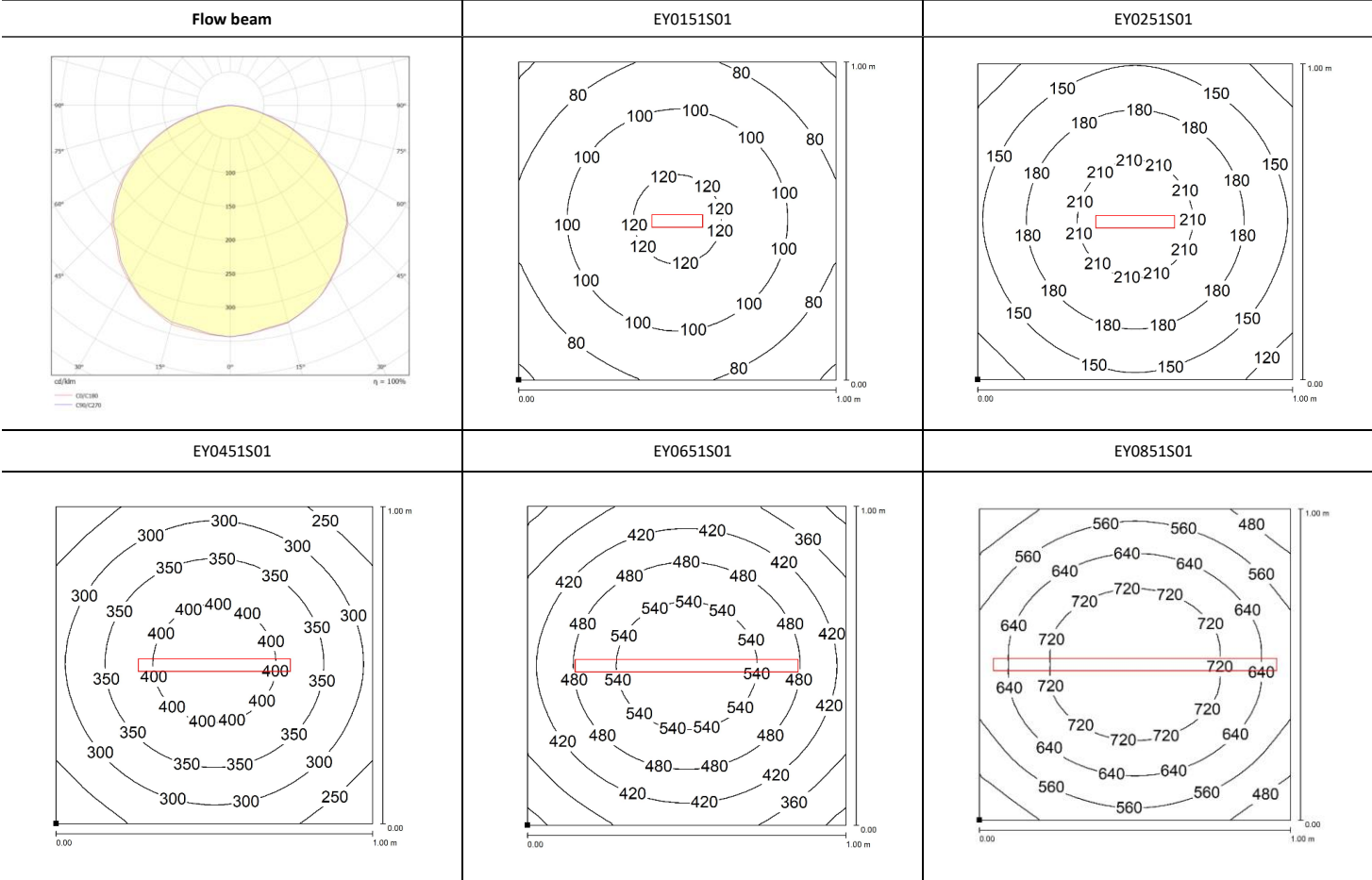
| Male | Female | Pin | Connection | Color Light |
|---|---|-----|------------|----------------|
|  |  | 1 | + 24 Vdc | White 6500 K |
| | | 2 | 0 Vdc | Common cathode |
| | | 3 | +24 Vdc | Blue |
| | | 4 | + 24 Vdc | Green |
| | | 5 | + 24 Vdc | Red |

Avoid the simultaneous switching on of the white and RGB LEDs. The dominant white light beam modifies the colored ones.

OPTICAL FEATURES

| Model | N° LED | LED Lifespan | Light Beam Angle | Luminous Flux 6500 K CR180 | Luminous Flux Red | Luminous Flux Green | Luminous Flux Blue | Efficiency @6500K |
|-----------|-----------------|-----------------|------------------|-------------------------------|----------------------|------------------------|-----------------------|----------------------|
| EY0151S01 | 14 W + 14 RGB | 60 000 h L70 ** | 120 ° | 450 lm | 39 lm | 39 lm | 16 lm | ~ 81 lm/W |
| EY0251S01 | 28 W + 28 RGB | 60 000 h L70 ** | 120 ° | 850 lm | 78 lm | 78 lm | 32 lm | ~ 81 lm/W |
| EY0451S01 | 56 W + 56 RGB | 60 000 h L70 ** | 120 ° | 1800 lm | 156 lm | 156 lm | 64 lm | ~ 81 lm/W |
| EY0651S01 | 84 W + 84 RGB | 60 000 h L70 ** | 120 ° | 2600 lm | 234 lm | 234 lm | 96 lm | ~ 81 lm/W |
| EY0851S01 | 112 W + 112 RGB | 60 000 h L70 ** | 120 ° | 3500 lm | 312 lm | 312 lm | 128 lm | ~ 81 lm/W |

PHOTOMETRIC DIAGRAMS


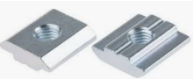


Distance graphic: 1m

ORDER CODES

| Model | Description |
|-----------|--|
| EY0151S01 | EPSYLON RGBW, 6.30"(160mm), 120°, 5,5W, 24Vdc, Cable 10ft(3m) with M12-A 5P Male |
| EY0251S01 | EPSYLON RGBW 9.84"(250mm), 120°, 11W, 24Vdc, Cable 10ft(3m) with M12-A 5P Male |
| EY0451S01 | EPSYLON RGBW, 18.90"(480mm), 120°, 22W, 24Vdc, Cable 10ft(3m) with M12-A 5P Male |
| EY0651S01 | EPSYLON RGBW, 27.55"(700mm), 120°, 33W, 24Vdc, Cable 10ft(3m) with M12-A 5P Male |
| EY0851S01 | EPSYLON RGBW, 35.83"(910mm), 120°, 44W, 24Vdc, Cable 10ft(3m) with M12-A 5P Male |
| EYFX01 | EPSYLON RGBW , stainless steel swivel Brackets kit 90°. |
| EYFX02 | EPSYLON Kit Aluminum Nuts |

MOUNTING OPTIONS

| Product pictures | Description | Code product |
|---|--|--------------|
|  | Robust, versatile and vibration resistant, it is a 70° angle adjustment bracket. Made of stainless steel, it is the perfect solution when you need to adjust the direction of the flow beam in high-vibrating applications. <i>Product code – set is composed by two brackets with M4 screws and steel washers.</i> | EYFX01 |
|  | Aluminum extrusions mounting. Two T-Nuts (Hammerhead) for standard aluminum extrusion profiles. | EYFX02 |