



Description

R2S. IP66, Class III. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. CCG® Controlled Compression Gasket. Non-reflective flat safety glass cover, hinged. Integral LED driver, PMW interface (DALI, analogue dimming interface on request). The luminaire only has one input for the 24V DC supply voltage. Controls or sensors are not included and must be ordered separately depending on the solar system selected. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board (Zhaga Book 15 compliant). The luminaire is factory-sealed and does not need to be opened during installation. Can be used as post top or side entry version. Specification at time of order is recommended.

Spigot Ø 76 x 100 mm. Spigot Ø 60 x 100 mm or 42 x 100 mm option available. Must be indicated during order placement.

Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

Photometric files (IES, LDT) for light distributions [S70] [R60] [A61] [P66] with Backlight Shield on request.

|                    |                              |
|--------------------|------------------------------|
| Weight             | 7.00 kg                      |
| Light distribution | asymmetric, side throw [S70] |
| Light source       | LED-24/36W / 500 mA - 2700K  |
| CRI                | 80                           |
| Power supply       | EC                           |
| LEDs               | 24                           |
| Rated input power  | 39 W                         |

Nominal Lumen (lm)

|             |      |
|-------------|------|
| LED Lumen   | 200  |
| Total Lumen | 4800 |
| Tj          | 85   |

Rated lumens (lm)

|             |        |
|-------------|--------|
| LED Lumen   | 176.8  |
| Total Lumen | 4242.6 |
| Ta          | 25     |

**102-0842**

**AFL120-R2S**

***we-ef***

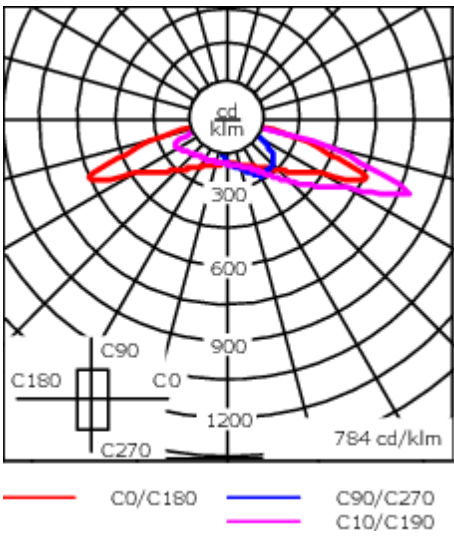
\*\*\* IMPORTANT: Solar Panel not included (Third party supply) \*\*\*

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<https://we-ef.com/asia>

Subject to technical changes and errors. - Generated on 07/06/2025



Specifications

Material description

|                      |   |
|----------------------|---|
| Body                 | Marine-grade, die-cast aluminium alloy  |
| Lens                 | Non-reflective safety glass lens  |
| Colours              | <div><div></div> RAL9004 Signal black</div> <div><div></div> RAL9007 Grey aluminium</div> <div><div></div> RAL7016 Anthracite grey</div> <div><div></div> RAL9016 Traffic white</div> |
| Gasket               | CCG® Controlled Compression Gasket  |
| Fasteners            | PCS Polymer Coated Stainless Steel Hardware   |
| Ingress protection   | IP66  |
| Impact resistance    | IK08  |
| Corrosion resistance | 5CE   |
| Windage              | 0.146 m <sup>2</sup>  |

Electrical description

|                  |   |
|------------------|---|
| Power supply     | 24V DC (0 HZ) battery voltage             |
| Driver / Ballast | PWM. DALI and analogue dimming on request |
| Surge protection | 75-100V automatic recovery                |

Additional information

|          |                        |
|----------|------------------------|
| Lifetime | Ta=25° L90B10 > 90000h |
|----------|------------------------|

Optical Accessories

Backlight shield

| Description            | Part ID        | Additional information  |
|------------------------|----------------|---|
| Backlight shield LS180 | 102-0959-24LED | Glare Shield for backlight spill. Suitable for [S65] [R60] lenses.<br>Glare Shield factory-installed or available as retrofit kit. Must be specified at time of ordering. |



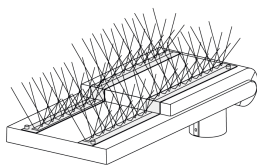
|                        |                |   |
|------------------------|----------------|---|
| Backlight shield LS180 | 102-0395-24LED | Glare Shield for backlight spill. Suitable for [S61], [S66], [R61], [P66] [Q66], [A61] lenses.<br>Glare Shield factory-installed or available as retrofit kit. Must be specified at time of ordering. |
|------------------------|----------------|---|



Mounting Accessories

Bird deterrent

| Description       | Part ID  |
|-------------------|----------|
| Bird deterrent BD | 430-0015 |



Adaptor

| Description    | Part ID  |
|----------------|----------|
| Adaptor AFL100 | 102-0392 |

