

**102-0831**

**AFL120-R2S**

**we-ef**



### 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.

### WE-EF LIGHTING (Thailand) Co., Ltd.

57 Moo 5, Kingkaew Rd., Bangplee, 10540 Samutprakarn - Phone: +66 2 738 96 20 - Fax: +66 2 738 96 29

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

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

Weight	7.00 kg
Light distribution	rectangular, side throw [R60]
Light source	LED-24/24W / 350 mA - 2700 K
CRI	80
Power supply	EC
LEDs	24
Rated input power	26.5 W
<b>Nominal Lumen (lm)</b>	
LED Lumen	145
Total Lumen	3480
Tj	85
<b>Rated lumens (lm)</b>	
LED Lumen	125.2
Total Lumen	3005.7
Ta	25

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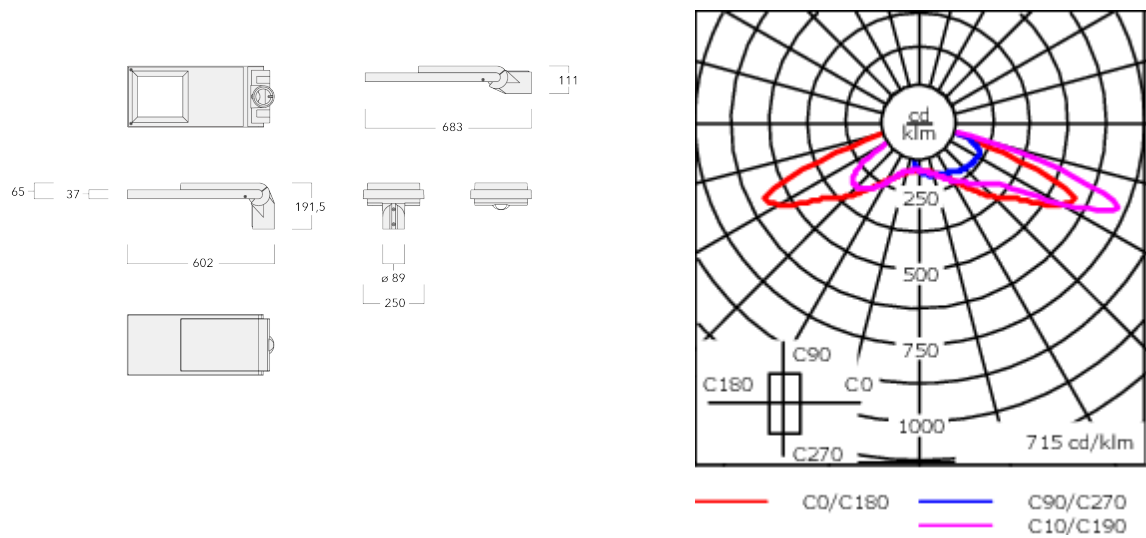
\*\*\* IMPORTANT: Solar Panel not included (Third party supply) \*\*\*

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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
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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. 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. Glare Shield factory-installed or available as retrofit kit. Must be specified at time of ordering.
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Mounting Accessories

Bird deterrent

Description	Part ID
Bird deterrent BD	430-0015



Adaptor

Description	Part ID
Adaptor AFL100	102-0392

