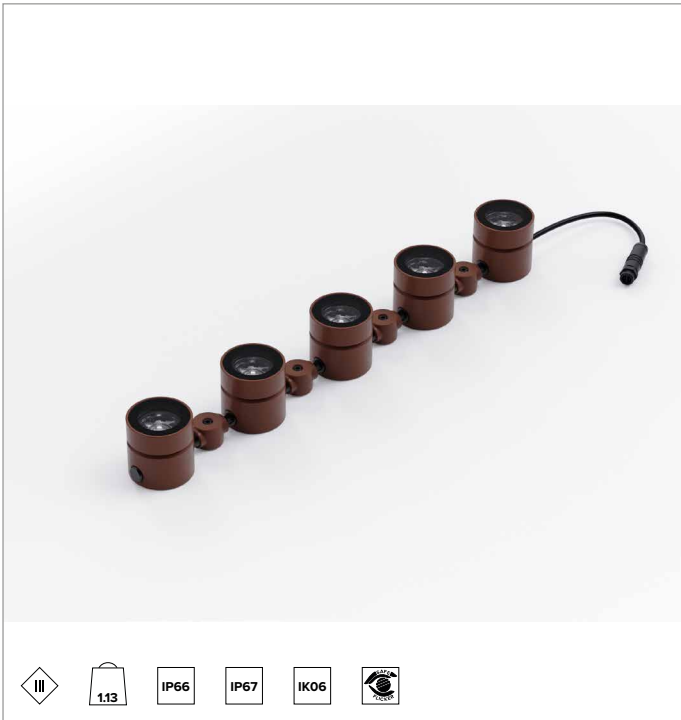
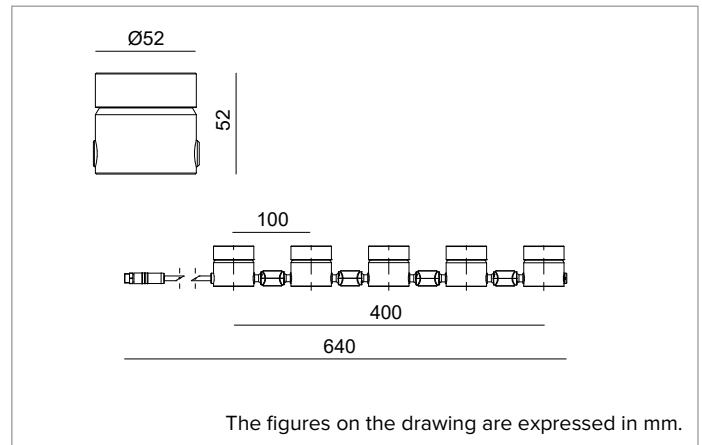


**E011FMF930BC | CATIRPEL**

Modular low voltage outdoor system. Thanks to its flexibility, it can be installed in contexts of curved and irregular surfaces



|        |                             |                  |        |      |                       |
|--------|-----------------------------|------------------|--------|------|-----------------------|
|        |                             | 3000K            | H(m)   | D(m) | E <sub>max</sub> (lx) |
|        |                             | Ra90             |        | 48°  |                       |
|        |                             | Fixture Power    | 6W     | 1    | 0.89                  |
|        |                             | Source Flux      | 576lm  | 2    | 1.77                  |
|        |                             | Fixture Flux     | 382lm  | 3    | 2.66                  |
|        |                             | Efficacy         | 70lm/W | 4    | 3.54                  |
| TS1846 | I <sub>max</sub> =814cd/klm | I <sub>max</sub> | 469cd  | 5    | 4.43                  |

**SOURCE**

High efficiency Chip on Board LED Ra90 available in four colour temperatures.

**Energy efficiency class:** F

**Nominal power:** 5x4,7W

**Nominal flux:** 5x576lm

**Colour rendering index:** 90

**Rf:** 92

**Rg:** 101

**CCT nominal:** 3000K

**Lifetime (L80/B10):** >50000h tq +25°C

**ILLUMINOTECHNICAL CHARACTERISTICS**

MWFL versions: optics made of a lens in optical grade PMMA and a holographic diffusion filter. Optical accessories available to control the light beam.

**Optic:** LENS

**Beam angles:** MWFL

**Optical efficiency:** 66%

**Fixture flux:** 5x382lm

**Luminous efficacy:** 70lm/W

**Photobiological safety:** Compliant with RG1 low risk group

**MECHANICAL CHARACTERISTICS**

It's made of adjustable projectors that can be oriented in multiple directions in space, thanks to a mechanical connection made through spherical joints. Cylindrical aluminium bodies obtained through CNC machining process and protected with a layer of black anodization with a minimum thickness of 15µ. Joint body in die-cast aluminum with cathodization treatment. Powder coated in a burnished copper colour. Tempered extra clear front glass. Flexibility of the optical bodies by ±110° on the vertical plane and mechanical locking. Flexibility of the chain with respect to the contact surface of ±45°. Minimum achievable curvature radius of 95mm with an angle of 45° between projectors. IP67 in-out connectors (in Nylon).

**Colour and finish:** Burnished copper

**Dimensions:** L=640mm

**Weight:** 1.13Kg

**Version:** 5X END

**Degree of protection:** IP66, IP67

**Mechanical Resistance:** IK06

**ELECTRICAL CHARACTERISTICS**

To be completed with remote driver. Connection cables and 3-way connector available as accessories. Complete with through wiring. Refer to installation manual for the maximum system distances.

**Fixture Power:** 5x6W

**Power supply:** 24Vdc

**Insulation Class:** CLASS 3

**Class F:** YES

**SAFE FLICKER:** PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to ensure a more comfortable and safe light

**Ambient temperature:** -25°C / +35°C

**INSTALLATION**

Dead end with external cable (0.15m) completed with male miniaturised IP67 connector. Accessories available for multiple installation modes.

**NOTES**

The photometrics refer to individual projectors. Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver.

**WARRANTY**

5 years.

**WARNING**

Luminaire designed for disposal/recycling at end-of-life. Replaceable (LED only) light source by a professional. Non-replaceable control gear.

Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process.

Luminous flux and power supply have +/-10% tolerances with respect to the indicated value. tq +25°C (CIE 121).

We reserve the right to make technical changes.

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**Related codes****Power Supply**

|  | Colour                                                                            | Code          |
|--|-----------------------------------------------------------------------------------|---------------|
|  |  | <b>A015BC</b> |

24Vdc driver box (IP67).

L=250mm 80W.

Provided with IP67 male/female connectors for 220-240V and IP67 miniaturized female connector for 24V.

| Dimensions<br>LxHxP mm | Power | Power supply | Output<br>voltage | IP   | Code          |
|------------------------|-------|--------------|-------------------|------|---------------|
| 230x87x43              | 100W  | 220-240Vac   | 24Vdc             | IP67 | <b>1T3587</b> |
| 238x42x67              | 200W  | 220-240Vac   | 24Vdc             | IP67 | <b>1T3588</b> |

Electronic ON-OFF power supply.

**Accessories****Screen**

|  | Colour                                                                            | Code          |
|--|-----------------------------------------------------------------------------------|---------------|
|  |  | <b>A031BC</b> |

Cylindrical screen.

Aluminium with black anodizing treatment.

**A031BC** - Powder coated in a burnished copper colour.

|  | Colour                                                                              | Code          |
|--|-------------------------------------------------------------------------------------|---------------|
|  |  | <b>A017BC</b> |

Asymmetric screen.

Aluminium with black anodizing treatment.

**A017BC** - Powder coated in a burnished copper colour.**Grid**

|  | Colour                                                                              | Code          |
|--|-------------------------------------------------------------------------------------|---------------|
|  |  | <b>A032BC</b> |

Anti-glare louver.

The central elements can be adjusted +/- 360° for a perfect glare control.

Aluminium with black anodizing treatment.

**A032BC** - Powder coated in a burnished copper colour.

|  | Colour                                                                                | Code          |
|--|---------------------------------------------------------------------------------------|---------------|
|  |  | <b>A033BC</b> |

Holder ring.

Aluminium with black anodizing treatment.

**A033BC** - Powder coated in a burnished copper colour.**Filter**

|  | Code        |
|--|-------------|
|  | <b>A034</b> |

Blade of light filter.

To be used with holder ring A033.

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Bracket



Colour      Code



**A019BC**

Bracket for installation on surfaces.  
Powder coated stainless steel.



Colour      Code



**A020BC**

Bracket for installation on trees.  
To be completed with accessory strap A023.  
Powder coated stainless steel.

Mounting System



L mm      Code

2000

**A023**

Strap for tree bracket (tree installation).



L mm      H mm      P mm      Colour      Code

25

162

25



**A021BC**

Earthspike.  
Powder coated stainless steel.



H mm      Colour      Code

20



**A022BC**

Cylindrical spacer.  
Aluminium with black anodizing treatment.  
**A022BC** - Powder coated in a burnished copper colour.



H mm      Colour      Code

20



**A055BC**

Cylindrical spacer for cable installation (not supplied).  
Aluminium with black anodizing treatment.  
**A055BC** - Powder coated in a burnished copper colour.

Cable



L mm      Code

1000

**A026**

2000

**A027**

3000

**A028**

6000

**A078**

Connection cable.

End Caps



Code

**A029**

End cap for miniaturized female connector.

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**E011FMF930BC | CATIRPEL****Modular low voltage outdoor system. Thanks to its flexibility, it can be installed in contexts of curved and irregular surfaces****Cable**

Code

**A030**

Connection kit for remote driver.

**Connector**

Code

**A024**

3 ways connector (1IN-2OUT).

**Control systems**

Code

**1T6581**

Dimmer for 12-24Vdc constant voltage LED driver.  
1-10V/DALI control input.  
IP20

Code

**1E3048**

IP67 wireless control unit with DALI interface.  
It generates a local DALI2 bus, enabling a direct connection to a DALI interface LED driver.  
The module can only be used in a closed system and cannot be connected to an existing DALI network.  
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 5.0 technology.  
The devices automatically create an adaptive, robust, and reliable wireless mesh network, allowing for the easy and efficient management of a high number of fixtures. The control unit is preset to the DALI 1CH profile, meaning the device can control a single DALI driver with broadcast commands.  
In addition to the DALI broadcast, other operating modes are available, such as:

- Button (normally open)
- Control unit 0/1-10V
- Control unit DALI Tunable White DT8
- Presence sensor



Code

**1E4369**

IP67 Extender for wireless control of LED driver with dimming DALI interface based on Casambi technology.

It has a DALI2 output with the capacity to control up to 40 lighting fixtures.

With the addition of a further external BUS DALI power supply it is possible to control up to 64 fixtures.

IP67 Extender is preset to the DALI broadcast profile, meaning all the luminaires connected to it are dimmable at the same level.

In addition to the DALI broadcast other operating modes are available, such as:

- EXTENDER DALI 8CH
- EXTENDER DALI Tunable White
- EXTENDER DALI 4CH
- EXTENDER DALI DT8 Tunable White

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