

LIGHTING SYSTEMS

# Catirpel

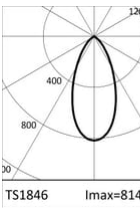
Code  
E011EMF940OG

| LIGHT COLOUR         | LIGHT DISTRIBUTION                                                                | OUTPUT        |
|----------------------|-----------------------------------------------------------------------------------|---------------|
| 4000K<br>90          | MWFL<br>48°                                                                       | 5.5W<br>409lm |
| POWER SUPPLY CONTROL | COLOUR                                                                            |               |
| 24Vdc                |  |               |



The figures on the drawing are expressed in mm.



|                                                                                      |                             |                  |       |                       |      |    |
|--------------------------------------------------------------------------------------|-----------------------------|------------------|-------|-----------------------|------|----|
|  | 4000K                       | H(m)             | D(m)  | E <sub>max</sub> (lx) |      |    |
|                                                                                      | Ra90                        |                  | 48°   |                       |      |    |
|                                                                                      | Fixture Power               | 6W               | 1     | 0.89                  | 501  |    |
|                                                                                      | Source Flux                 | 616lm            | 2     | 1.77                  | 125  |    |
|                                                                                      | Fixture Flux                | 409lm            | 3     | 2.66                  | 56   |    |
|                                                                                      | Efficacy                    | 74lm/W           | 4     | 3.54                  | 31   |    |
| TS1846                                                                               | I <sub>max</sub> =814cd/klm | I <sub>max</sub> | 501cd | 5                     | 4.43 | 20 |

## Technical Data

## Concept

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

## Source

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

|                         |                 |
|-------------------------|-----------------|
| Energy efficiency class | F               |
| Nominal power           | 5X4,7W          |
| Nominal flux            | 5x616lm         |
| Colour rendering index  | 90              |
| Rf                      | 90              |
| Rg                      | 98              |
| CCT nominal             | 4000K           |
| Lifetime (L80/B10)      | 52000h tq +25°C |
| Lifetime (L90/B10)      | 52000h tq +25°C |

TARGETTI

CCIAA Firenze  
Share Capital: € 500.000,00  
VAT N. (IT): 01537660480  
R.E.A: FI-275656

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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.

## Technical Data

### 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                  | MWFL                              |
| Beam angles            | MWFL                              |
| Optical efficiency     | 66.4%                             |
| Fixture flux           | 5x409lm                           |
| Luminous efficacy      | 74lm/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 cataphoresis treatment. Powder coated in an olive green colour. Tempered extra clear front glass. Flexibility of the optical bodies by  $\pm 110^\circ$  on the vertical plane and mechanical locking. Flexibility of the chain with respect to the contact surface of  $\pm 45^\circ$ . Minimum achievable curvature radius of 95mm with an angle of  $45^\circ$  between projectors. IP67 in-out connectors (in Nylon).

|                       |                   |
|-----------------------|-------------------|
| Colour and finish     | Olive green       |
| Dimensions            | AxØxH 840x52x52mm |
| Weight                | 1.15Kg            |
| Version               | 5X In-Out         |
| 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       | 5x5.5W                                                                                               |
| Power supply        | 24Vdc                                                                                                |
| Insulation Class    | CLASS 3                                                                                              |
| 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

Designed for connection in series through external cable (0.15m + 0.15m) completed with male/female miniaturised IP67 connectors. 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.

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## Warning

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

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Related codes

Power Supply



| CODE   | COLOUR |
|--------|--------|
| A015OG | ●      |

24Vdc driver box (IP67).  
L=250mm 80W.  
Provided with IP67 male/female connectors for 220-240V and IP67 miniaturized female connector for 24V.



| CODE   | IP   | OUTPUT VOLTAGE | POWER SUPPLY | POWER | LXHXP       |
|--------|------|----------------|--------------|-------|-------------|
| 1T3587 | IP67 | 24Vdc          | 220-240Vac   | 100W  | 230x87x43mm |
| 1T3588 | IP67 | 24Vdc          | 220-240Vac   | 200W  | 238x42x67mm |

Electronic ON-OFF power supply.

Accessories

Screen



| CODE   | COLOUR |
|--------|--------|
| A031OG | ●      |

Cylindrical screen.  
Aluminium with black anodizing treatment.

A031OG - Powder coated in an olive green colour.



| CODE   | COLOUR |
|--------|--------|
| A017OG | ●      |

Asymmetric screen.  
Aluminium with black anodizing treatment.

A017OG - Powder coated in an olive green colour.

Grid



| CODE   | COLOUR |
|--------|--------|
| A032OG | ●      |

Anti-glare louver.  
The central elements can be adjusted +/- 360° for a perfect glare control.  
Aluminium with black anodizing treatment.

A032OG - Powder coated in an olive green colour.

Holder Ring



| CODE   | COLOUR |
|--------|--------|
| A033OG | ●      |

Holder ring.  
Aluminium with black anodizing treatment.

A033OG - Powder coated in an olive green colour.

## Filter



**CODE**

**A034**

Blade of light filter.  
To be used with holder ring A033.

## Bracket



**CODE**

**A019OG**

**COLOUR**



Bracket for installation on surfaces.  
Powder coated stainless steel.



**CODE**

**A020OG**

**COLOUR**



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

## Mounting System



**CODE**

**A023**

**L**

2000mm

Strap for tree bracket (tree installation).



**CODE**

**A021OG**

**COLOUR**



**P**

25mm

**H**

162mm

**L**

25mm

Earthspike.  
Powder coated stainless steel.



**CODE**

**A022OG**

**COLOUR**



**H**

20mm

Cylindrical spacer.  
Aluminium with black anodizing treatment.

**A022OG** - Powder coated in an olive green colour.



**CODE**

**A055OG**

**COLOUR**



**H**

20mm

Cylindrical spacer for cable installation (not supplied).  
Aluminium with black anodizing treatment.

**A055OG** - Powder coated in an olive green colour.

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## Cable



| CODE | L      |
|------|--------|
| A026 | 1000mm |
| A027 | 2000mm |
| A028 | 3000mm |
| A078 | 6000mm |

Connection cable.

## End Caps



| CODE |
|------|
| A029 |

End cap for miniaturized female connector.

## 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

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the control unit to the Casambi network.

LxHxP=108x28x65mm.

**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

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the extender to the Casambi network.

LxHxP=148x40x150mm.