RECESSED LUMINAIRES

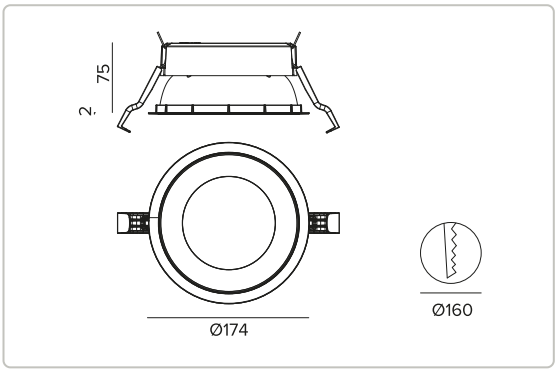
# CCTEvo Downlight 160 VWFL



**Code**
## 1T8312DA80

| LIGHT COLOUR | LIGHT DISTRIBUTION | OUTPUT |
|---|---|---|
| 4000K<br>80 | VWFL<br>89° | 22.4W<br>3090lm |

| POWER SUPPLY CONTROL | COLOUR |
|---|---|
| 220-240Vac<br>DALI | ◯ |




**The figures on the drawing are expressed in mm.**






| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra80 | | | 89° | |
| Fixture Power | 22W | 1 | 1.98 | 1757 |
| Source Flux | 3713lm | 2 | 3.95 | 439 |
| Fixture Flux | 3090lm | 3 | 5.93 | 195 |
| Efficacy | 138lm/W | 4 | 7.90 | 110 |
| Imax | 1757cd | 5 | 9.88 | 70 |

## Technical Data

### Concept

Recessed LED Downlight in a trim version.

### Source

| | |
|---|---|
| High efficiency Chip on Board LED Ra80. | |
| Energy efficiency class | D |
| Nominal power | 20W |
| Nominal flux | 3713lm |
| Colour rendering index | 80 |
| Rf | 82 |
| Rg | 95 |
| CCT nominal | 4000K |
| Lifetime (L80/B10) | 72000h tq +25°C |
| Lifetime (L90/B10) | 72000h tq +25°C |

TARGETTI

CCIAA Firenze
Share Capital: € 500.000,00
VAT N. (IT): 01537660480
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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

VWFL Optic for wide coverage and excellent uniformity of luminance. Optic with high luminous efficiency composed of a thermoplastic reflector with reflective metallisation and a protective anti-scratch coating, a holographic acrylic diffuser screen and a highly reflective white thermoplastic internal recuperator. IP54 protection for the visible parts of the installed fixture.

| | |
|---|---|
| Optic | VWFL |
| Beam angles | VWFL |
| Optical efficiency | 83.23% |
| Fixture flux | 3090lm |
| Luminous efficacy | 138lm/W |
| Photobiological safety | Compliant with RG1 low risk group |

### Mechanical characteristics

Die-cast black painted anodised aluminium heat sink. Reflective metallised thermoplastic material reflector with high luminous efficiency and visual comfort. Silicone sealing kit for water and dust protection. Trim version with an integrated white ring.

| | |
|---|---|
| Colour and finish | Plaster white |
| Dimensions | ØxH 174x77mm |
| Weight | 0.8Kg |
| Version | Trim |
| Degree of protection | IP20 for recessed part |
| Degree of protection | IP54 for exposed part |

### Electrical characteristics

Integrated DALI driver. Luminaire compliant with EN 60598-2-22 for power supply from a centralised emergency system CPSS (Central Power Supply System), not incorporated in the luminaire - high risk areas excluded. The default power and flux are 100% in AC and 100% in DC.

| | |
|---|---|
| Fixture Power | 22.4W |
| Power supply | 220-240Vac 50/60Hz |
| Insulation Class | CLASS 2 |
| Type of driver / Control | DALI - PUSH |
| Driver included | 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 | 0°C / +25°C |

### Installation

Quick tool-free mounting system for false ceiling installation from 0.5 to 30mm.

### Notes

Casambi control system available using a dedicated accessory. 110-277Vac version available on request. Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

### Regulations and Certifications

CE

## Technical Data

### Warranty

5 years.

### Warning

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

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## Accessories

### Mounting System



| CODE | L |
|---|---|
| 1T9606 | 2500mm |

Anti-fall safety cable to secure the body of the appliance to the building structure.

### Emergency Kit



| CODE |
|---|
| A059 |

Emergency kit composed of an inverter a LIFePO4 battery and a LED Green indicator.
Allows permanent EP emergency use of the fixture it is connected to.
The 1h or 3h autonomy can be selected by configuring the fixture.
The batteries take 12h to completely recharge.
LED Green indicator wired to the inverter through single-core cables L= 800mm.
Emergency kit for fixtures that comply with EN 60598-2-22 standard, high risk areas excluded.
Battery size 160x54x30 mm.
Inverter size 165x40x25 mm.

### Control systems




| CODE |
|---|
| 1T5349 |

IP20 wireless control unit with DALI interface.
It generates a local DALI2 bus, enhabling 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, maning 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=102x25x36mm.



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**CODE**

**2T0131**

IP20 Extender for wireless control of LED driver with dimming DALI (or 1-10V) 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.
IP20 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 0/1-10V
- 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=130x22x30mm.



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