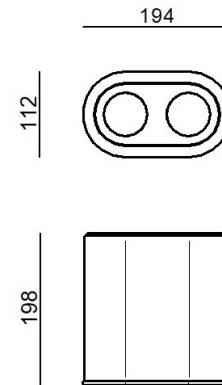


Ceiling Downlights | 198-264 V  
 1 arrayLED 18 W DC - 20 W AC | CRI 90  
**CZ155DBBMWF**



| Technical data                                 |                    |
|--|--------------------|
| Designer                                       | Gae Aulenti        |
| Construction year                              | 2026               |
| Type   | Ceiling Downlights |
| Installation position                          | Ceiling            |
| Installation environment                       | Indoor             |
| Light Source                                   | LED                |
| Circuit structure                              | arrayLED           |
| Optics   | Wide Flood         |
| Light emission direction                       | downward           |
| Nominal power                                  | 18 W DC            |
| Total Power                                    | 20 W               |
| Source lumens                                  | 1935 lm            |
| Nominal input voltage                          | 220 - 240 V AC     |
| Input voltage range                            | 198 - 264 V AC     |
| Frequency                                      | 50 - 60 Hz         |
| CCT / Tone                                     | 2700 K             |
| Colour rendering index                         | 90 Ra              |
| C.C. / C.V.                                    | AC                 |
| Safety class                                   | 1                  |
| IP   | IP20               |
| Glow wire test                                 | 650°               |
| Direct mounting on normally flammable surfaces | Yes                |
| CE   | Yes                |
| Driver included                                | Driver             |
| Dimmable article                               | Phase cut          |
| Directional                                    | No                 |
| Tilting  | No                 |
| Walk-over                                      | No                 |
| Drive-over                                     | No                 |
| Cable included                                 | No                 |
| Resin potting                                  | No                 |
| Type of light emission                         | Single emission    |
| Electrostatic discharge protection             | No                 |
| Surge protection                               | No                 |

| Finishing Finishing casing         |                    |
|------------------------------------|--------------------|
| Material                           | Aluminium          |
| Colour                             | Text black (R9005) |
| Processing                         | Coating            |
| Finishing Finishing diffuser       |                    |
| Material                           | PMMA               |
| Colour                             | Transparent        |
| Finishing Finishing mounting frame |                    |
| Material                           | Aluminium          |
| Colour                             | Text black (R9005) |
| Processing                         | Coating            |

Ceiling Downlights | 198-264 V | 1 arrayLED 18 W DC - 20 W AC | CRI 90 | Base **CZ155DBBMWF**

Single emission ceiling downlights for indoor application. The super warm white LED light source with a wide flood light distribution is composed of 2 topped LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1935 lm, with a 107.5 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a text black (r9005) finish, processed by means of coating; the diffuser is made of pmma; the mounting frame is made of aluminium, with a text black (r9005) finish, processed by means of coating.

The ingress protection degree is IP20;

The total absorbed power is 20 W

The device features protection class I and can be ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

**Energy efficiency class**

This product contains a light source of energy efficiency class F.

**Illuminotechnical Features**

|   |                |
|---|----------------|
| Light Output Ratio (LOR)                | 94 %           |
| Source lumens                           | 1935 lm        |
| Delivered lumens                        | 1822 lm        |
| Consumption                             | 20 W           |
| Luminaire efficacy                      | 91 lm/W        |
| Colour temperature                      | 2700 K         |
| Standard Deviation of Colour Matching   | 3 Step MacAdam |
| Colour rendering index                  | 90 Ra          |
| Junction temperature (lighting fixture) | 80             |
| Standard Operating Ambient Temperature  | 25°C           |

**LED Life / Failure Ratio**

L70 B10 C0 296960h

L80 B10 C0 200000h

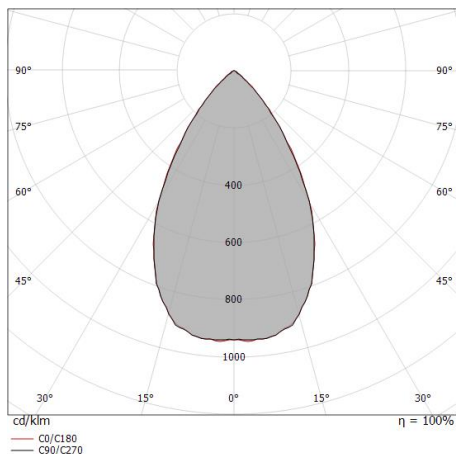
L90 B10 C0 150000h

**UGR**

|                   |          |
|-------------------|----------|
| UGR axial         | 16.7     |
| UGR transversal   | 16.9     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

**OPTICAL**

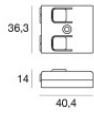
|                             |             |
|-----------------------------|-------------|
| C0/C180 optics              | 63°         |
| Light distribution symmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | Illuminance [lx] | E(0°) | E(C0) | E(C90) |
|--------------|-------------------|------------------|-------|-------|--------|
| 0.5          | 0.61              | 6849             | 31.4° | 2156  |        |
| 1.0          | 1.22              | 1712             | 31.4° | 539   |        |
| 1.5          | 1.83              | 761              | 31.4° | 240   |        |
| 2.0          | 2.44              | 428              | 31.4° | 135   |        |
| 2.5          | 3.05              | 274              | 31.4° | 86    |        |
| 3.0          | 3.66              | 190              | 31.4° | 60    |        |

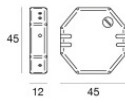
Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0/C180 (Half-peak divergence: 62.8°)

Colonna | Ceiling Downlights | Accessories  
**CZ155DBBMWF**



Dimmer - Phase cut CASAMBI - Essential for dimming the lamp with Casambi  
 Radio-frequenza, 85-240V

**Code**  
KIT0080



Dimmer - Phase cut (Max 100W) - Essential for dimming the lamp  
 220-240V

**Code**  
KIT0026