

TECHNICAL SPECIFICATIONS - CEILING LIGHT FIXTURE – BLOCK 1

1. General Description

- Compact device for ceiling installation, designed for indoor applications.
- Suitable for environments requiring high energy efficiency and high-quality lighting.

2. Technical Specifications

2.1 Optics

- Material: PMMA with 90° angle lenses.
- UGR <19, with CLC (Constant Light Colour) system ensuring uniform color rendering.

2.2 Reflectors

- Interchangeable DARK type, made of Matt polycarbonate.
- Available colors: White or Black.

2.3 Body

- Made of 6/10 steel sheet.
- Painted with polyester powder for resistance to chemical agents.
- Available colors: White or Black.

2.4 LED Modules

- Ultra-high efficiency LEDs, powered at 700mA.
- Standard color temperature: 4000K (CRI >90); on request: 3000K.
- Lifetime: o L80 B10 - 80,000 hours at Ta25°C. o L80 B10 - 50,000 hours at Tamax.

3. Performance

- Luminous flux: 1220lm (standard).
- Wattage: 8.5W.
- CRI Ra >90 with a minimum selection of 3 MacAdams steps.
- Cosφ: 0.95. • Harmonic distortion: <4%.

4. Protection Rating

- IP43 on the lower side.

5. Power Supply and Driver

- Power supply voltage: 220-240V, 50/60Hz.
- Ripple-free driver with SP system and Active PFC.

6. Safety and Protections

- Impact resistance: IK05.
- Impulse overvoltage: o 2kV in common mode. o 1kV in differential mode.

- Protections: o Overvoltage (shutdown >285V). o Overload and short circuit. o Overtemperature (current reduction and electrical disconnection). o Compliance with EN 61000-4-5.

7. Certifications and Standards

- Compliant with the following standards: o CE, RoHS, Reach. o EN/IEC 60598-1:2015 and EN/IEC 60598-2-1. o EN 62471:2008 (classified RG0, photobiological risk "exempt").

8. Additional Features

- "Made in Italy" logo engraved on the lower casing.
- Eco-friendly product: over 80% of the components are recyclable.
- Prepared for variable power supply.
- Options available on request: o DALI2 or CASAMBI dimmable driver. o Bluetooth and Tunable White compatibility.
- Compliant with CAM standards.

9. Environmental Conditions and Warranty

- Operating temperature: -25°C / +45°C.
- Standard warranty: 3 years.