

## **TECHNICAL SPECIFICATIONS - CEILING LIGHT FIXTURE – BLOCK 4**

### **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 300mA, 500mA, 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: 2125lm, 3450lm, 4880lm (standard).
- Wattage: 13W, 24W, 34W.
- 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, EN 60598-2-22.
- 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.