

## ARCADIA SQ 30x120

- Ceiling-mounted and recessed rectangular fixture 1195mm x 295mm x 37.5mm with 16 optical elements for LED light sources.
- Fixed optics with Light&Dark reflectors made of PC black matt surfaces, high-definition, integrated in a recessed position within the anti-glare screen. The optical system ensures effective light flow and high visual comfort, significantly reducing direct glare.
- Supporting lower frame shaped, bent, and welded, made of steel thickness 06/10, with electrolytic galvanization surface treatment.
- Upper body made of pre-painted steel, thickness 06/10. The product features a complete absence of visible screws.
- Installation and routine maintenance are carried out through simple interlocking of the two bodies.
- Integral polyester powder coating, matte finish, color RAL 9003.
- Protection rating IP43 on the lower side, IP20 on the upper side.
- Access to the 3/5-pole push connector terminal block via the upper compartment.
- Passive dissipation system and self-dissipating LED modules.
- LED modules (147lm/W @ 500mA Tj=85°C) with color temperatures 4000K, 3000K, and 5000K, approved for EN 62031 and EN 62471.
- CRI Ra > 90, minimum selection guaranteed 3-step MacAdams.
- Standard wattage 23W and 33W, luminous flux from 3540 lm to 4880 lm, standard current 500mA and 700mA.
- Multi-lens optics with 4 impressions made by injection molding in methyl methacrylate polymer (PMMA), UV-resistant, UL94 compliant with incandescent wire resistance at 700°C.
- 2 possible lighting solutions: 65° (UGR<16) and 90° (UGR<19), developed with an innovative CLC system (Constant Light Colour).
- In compliance with the regulatory requirements in EN 62471:2008 (photobiological risk), the product is classified under the "Exempt" risk group (i.e., RG0).
- CE, RoHS, Reach certifications.
- The product meets reference standards EN/IEC 60598-1:2015, specifically EN/IEC 60598-2-1 and EN/IEC 60598-2-2.
- Impact resistance grade IK05.
- LED lifespan expectation (LM80, LM79, TM21 test): 72000h L80B10 @ta 25°C and 55000h L8B10 @T° max.
- Standard operating temperature range -25°C/+45°C.
- Electronic power supply 220-240V 50/60Hz.
- Insulation class I.

- Resistance to impulsive overvoltages: 2kV in common mode; 1kV in differential mode. Protection from overvoltages with automatic shutdown >285V, overload protection (output voltage limitation), short circuit protection (output current limitation), overvoltage protection (neutral disconnection), overheating protection with initial current reduction threshold (NTC), and product electrical disconnection threshold according to EN 61000-4-5.
- $\cos\phi$  0.95, harmonic distortion <4%.
- "Made in Italy" logo embossed on the lower casing, confirming the genuine origin of the product.
- Eco-compatible product, with over 80% recyclable components.
- Available with DALI, DALI2 drivers, 1h and 3h emergency modules compliant with EN 60598-2-22.
- Designed for variable power supply.
- Compatible with Bluetooth, CASAMBI, and Tunable White systems.
- Conforms to CAM standards.
- Standard 3-year warranty.