

## ARIA R

General Description: ARIA R is a stand-alone linear LED fixture designed for recessed installation, featuring high luminous efficiency, optimal visual comfort, and advanced glare control. Its design makes it ideal for professional and commercial environments, including offices, showrooms, supermarkets, open spaces, and exhibition areas.

### Construction Features:

- Shaped body made of steel sheet (6/10 thickness) with epoxy powder coating surface treatment.
- Internal dissipative structure made of high thermal conductivity aluminum (10/10 thickness) for optimal heat dissipation management.
- Recessed mounting system with spring clamps for easy and secure installation.
- Integral polyester powder coating with matte finish, standard RAL 9003 textured (RAL 9005 available upon request).
- Innovative design featuring no visible external screws, ensuring a clean and modern aesthetic.
- Protection rating IP43 for the visible part, IP20 for the recessed upper part.
- Passive heat dissipation, guaranteeing durability and efficiency without requiring active cooling systems.

### Lighting Performance:

- High-efficiency LED sources (186lm/W @150mA Tj=85°C) available in 3000K, 4000K, and 5000K color temperatures.
- Color Rendering Index (CRI) 80, with a minimum guaranteed 3-step MacAdam selection; CRI90 available upon request.
- Available power range from 10W to 51W, delivering luminous flux from 1860lm to 9420lm, with standard operating current 250mA to 425mA.
- Opal diffuser made of UV-resistant PMMA, extruded and UL94 compliant, with 850°C glow wire resistance.
- Lighting solution incorporating ELA (Extended Light Area) and CLC (Constant Light Colour) systems, ensuring uniform light distribution, with standard beam angle 90°TL (60° available upon request).
- Compliant with EN 62471:2008 regulations for photobiological risk, classified as Exempt Risk Group (RG0).

### Durability & Certifications:

- Certified under CE, RoHS, and Reach regulations.
- Compliant with EN/IEC 60598-1:2015 and EN/IEC 60598-2-1 standards.
- Lifespan: 72000h L80 B10 @ta25°C, 55000h L80 B10 @ta40°C, tested according to LM80, LM79, and TM21.
- Operating temperature range: -25°C to +40°C.

### Electronics & Safety:

- Electronic power supply with input 220-240V 50/60Hz.
- Surge protection: 4kV (common mode), 2kV (differential mode).
- Advanced protection systems:
  - Automatic shutdown >285V.
  - Overload and short circuit protection.
  - Neutral disconnection and over-temperature protection with NTC threshold and electrical disconnection, in accordance with EN 61000-4-5.
  - SPD 12kV option available upon request.
- Power factor (Cosφ) ≥ 0.95, harmonic distortion <4%.

### Options & Sustainability:

- Made in Italy, with an embossed logo on the upper casing.
- LED energy efficiency class = C.
- Eco-friendly product, with over 80% recyclable materials.
- Available with DALI driver, emergency module (1h and 3h) (EN 60598-2-22).
- Compatible with Bluetooth control CAS CBU ASD.
- Designed for variable power supply and tunable white.
- Standard 3-year warranty