Product data sheet

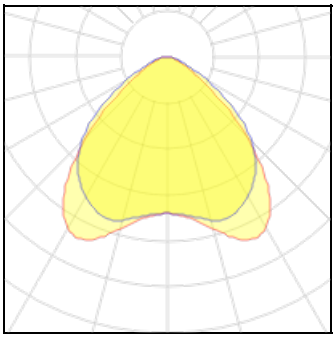
3F LEM 3 HT LED 90 CR AMPIO
59027
3F FILIPPI



IP 65 IK 08

Industrial luminaire with high light output and high luminous efficiency designed with the most innovative technologies for environments with temperature up to 70°C. ILLUMINOTECHNICAL Luminous efficiency 100% (DLOR 100%, ULOR 0%). Initial luminous flux of the luminaire 16304 lm. Direct symmetric wide distribution: the illuminated area has a rectangular shape. Installation Interdistance Transv.D = 1.49 x hu - Long.D = 1.43 x hu. Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 21.6 - 22.7. Beam angle: 93° - 99°. Luminous efficacy 160 lm/W. Lifetime (L93/B10): 30000 h. (tq+25°C) Lifetime (L90/B10): 50000 h. (tq+25°C) Lifetime (L85/B10): 80000 h. (tq+25°C) Lifetime (L80/B10): 100000 h. (tq+25°C) Lifetime (L85/B10): 50000 h. (tq+70°C) Sudden decreased luminous flux after 50000 hours: 0% (C0). Photobiological safety in compliance with IEC/TR 62778: RG0 risk exempt, (IEC 62471). In compliance with IEC/EN 62722-2-1 - IEC/EN 62717 standards. Luminous flux at +70°C: -13.5%. SOURCE 3 Mid-Power linear LED modules 30W/840. Energy efficiency class (UE 2019/2020 - UE 2019/2015): C. CIE 13.3 Colour rendering index: CRI >80 (R9 <50%). IES TM-30 Fidelity Index: Rf = 84 Rg = 95. CCT nominal colour temperature 4000 K. Colour initial tolerance (MacAdam): SDCM 3. MECHANICAL Passive heatsinks modular single-piece aluminium die-casting, oversized for optimal thermal management of the LED module with self-cleaning of cooling fins for chimney effect. Wiring body in aluminium and galvanised steel anchored solidly to the sinks and thermally separated. 3F Lens lenses in photoengraved polycarbonate, with high luminous efficiency for wide distribution, V2 self-extinguishing, UV stabilised, fixed on the LED modules. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 657x542 mm, height 129 mm. Weight 13.165 kg. IP65 protection degree. Mechanical strength to impacts IK08 (5 joule). Glow-wire test resistance 850°C. ELECTRICAL Halogen Free electronic wiring 230V-50/60Hz, power factor 0.97, THD <25%, constant output current, class I, 1 driver. Power of the luminaire 102 W. CE - IEC 60598-1 - EN 60598-1. SAFE FLICKER: PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to ensure a more comfortable and safe light. Luminaire compliant with EN 60598-2-22 for power supply from a centralised emergency system CPSS (Central Power Supply System), not incorporated in the luminaire - high risk areas excluded. The default power and flux are 100% in AC and 100% in DC. Ambient temperature from -30°C to +70°C. Temperature class T6 max 85°C. Quick connection. Power unit positioned on a separate compartment by the LED module to ensure optimum temperatures of cabling components, to be inspectable and maintainable. Relative humidity UR: <85%. INSTALLATION Ceiling / Suspended / Wall. All accessories dedicated to this product are available on the Catalog and on our website www.3F-Filippi.com. APPLICATIONS In commercial environments, exhibition and industrial areas, stores, open areas. Applications with high ambient temperature up to 70°C. WARNING Fixture not suitable for cold stores with an ambient temperature <0°C and/or relative humidity >85%. Luminaire designed for disposal/recycling at end-of-life. Replaceable (LED only) light source by a professional. Replaceable control gear by a professional.

Light output 1 (integrated)



Lamp type	LED	CCT	4000 K
Nominal lamp power	102 W	CRI	80
Total flux	16304 lm	LOR	100%
Luminous efficacy	160 lm/W	Total power	102 W

Mounting mode

Ceiling mounted, Pendant

Shape and measurements

Length: 25.87 in
Width: 21.34 in
Height: 5.08 in

Adjustability

Fixed

Electric

System power: 102 W
Appliance Class: I

Protection

IP: 65
IK: 08