Product data sheet

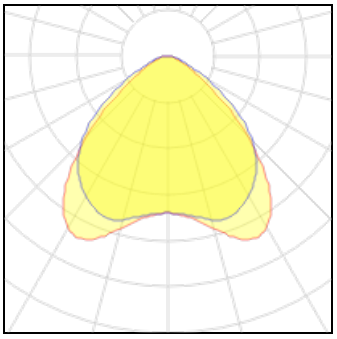
3F LEM 1 HO LED 70 CR AMPIO
58953
3F FILIPPI



IP 65 IK 06

Industrial luminaire with high light output and high luminous efficiency designed with the most innovative technologies for environments with temperature up to 45°C. ILLUMINOTECHNICAL Luminous efficiency 100% (DLOR 100%, ULOR 0%). Initial luminous flux of the luminaire 11303 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 27.3 - 28.4. Beam angle: 93° - 99°. Luminous efficacy 159 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+45°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. SOURCE Mid-Power linear LED module 70W/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 heatsink 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 lense in photoengraved methacrylate (PMMA), with high luminous efficiency for wide distribution, fixed on the LED module. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 542x115 mm, height 150 mm. Weight 5.98 kg. IP65 protection degree. Mechanical strength to impacts IK06 (1 joule). Glow-wire test resistance 650°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 71 W. ENEC - CE. 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 +45°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. 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	71 W	CRI	80
Total flux	11303 lm	LOR	100%
Luminous efficacy	159 lm/W	Total power	71 W

Mounting mode

Ceiling mounted, Pendant

Shape and measurements

Length: 4.53 in

Width: 21.34 in

Height: 5.91 in

Adjustability

Fixed

Electric

System power: 71 W

Appliance Class: I

Protection

IP: 65

IK: 06