Product data sheet

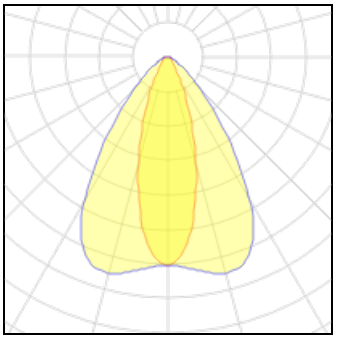
3F LEM 4 LED 200/865 CR CONC + FOOD
59166+A0733
3F FILIPPI



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 31462 lm. Direct symmetric narrow distribution: the illuminated area has a elliptical shape. Installation Interdistance Transv.D = 0.56 x hu - Long.D = 1.17 x hu. Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 17.4 - 21.2. Beam angle: 31° - 73°. Luminous efficacy 144 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+55°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 4 Mid-Power linear LED modules 50W/865. 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 6500 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 methacrylate (PMMA), with high luminous efficiency for narrow distribution, fixed on the LED modules. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 757x542 mm, height 129 mm. Weight 20.05 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, 2 driver. Power of the luminaire 218 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. ACCESSORIES A0733 - Dust covers for food processing areas in white-painted galvanised steel. One required for each light module. APPLICATIONS Suitable product for food production plants (HACCP), IFS (Food Version 6), BRC (GSFS Food Version 7). Commercial and food-production environments. 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	6500 K
Nominal lamp power	218 W	CRI	80
Total flux	31462 lm	LOR	100%
Luminous efficacy	144 lm/W	Total power	218 W

Mounting mode

Ceiling mounted, Pendant

Shape and measurements

Length: 29.80 in

Width: 21.34 in

Height: 5.08 in

Adjustability

Fixed

Electric

System power: 218 W

Appliance Class: I

Protection

IP: 65

IK: 06