

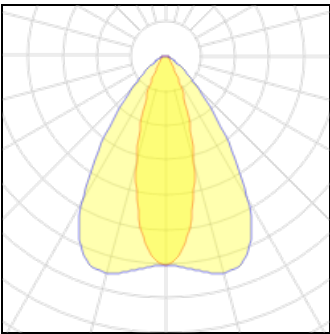
# Product data sheet

3F LEM 3 LED 150 DALI SENSOR CR CONC + VT  
59260+A0811  
3F FILIPPI



Industrial luminaire with high light output and high luminous efficiency designed with the most innovative technologies for environments with temperature up to 50°C. ILLUMINOTECHNICAL Luminous efficiency 100% (DLOR 99%, ULOR 1%). Initial luminous flux of the luminaire 22733 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 17.2 - 21. Beam angle: 31° - 73°. Luminous efficacy 137 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+50°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 3 Mid-Power linear LED modules 50W/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. High lighting efficiency 3F Lens for concentrated elliptical distribution, in photo-etched methacrylate (PMMA) , fixed to the LED modules. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 952x542 mm, height 133 mm. Weight 16.991 kg. IP54 protection degree. Mechanical strength to impacts IK04 (0.5 joule). Glow-wire test resistance 650°C. ELECTRICAL Halogen Free DALI electronic wiring 230V-50/60Hz, power factor 0.90 at full load, THD <25%, constant output current, class I, 2 driver, 2 DALI addresses. DALI light and presence sensor integrated on the luminarie. Power of the luminaire 166 W. CE - IEC 60598-1 - EN 60598-1. Flicker: <4%. Ambient temperature from -25°C to +50°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](http://www.3F-Filippi.com). ACCESSORIES A0811 - VT transparent glass, tempered, not flammable, with sealing gasket. One required for each light module. The pack contains 10 pieces. APPLICATIONS In commercial environments, exhibition and industrial areas, stores, open areas. Applications with high ambient temperature up to 50°C. LIGHT MANAGEMENT The DALI presence and brightness sensor, integrated in the luminaire, allows you to keep the level of illumination constant as a function of natural light (in addition to switching on/off as a result of presence detection and set twilight threshold). WARNING The luminaire cannot be controlled manually with PUSH-DIM technology. 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	166 W	CRI	80
Total flux	22733 lm	LOR	100%
Luminous efficacy	137 lm/W	Total power	166 W

**Mounting mode**

Ceiling mounted, Pendant

**Shape and measurements**

Length: 37.48 in

Width: 21.34 in

Height: 5.08 in

**Adjustability**

Fixed

**Electric**

System power: 166 W

Appliance Class: I

**Protection**

IP: 54

IK: 04