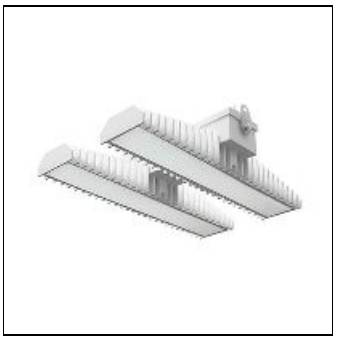
Product data sheet

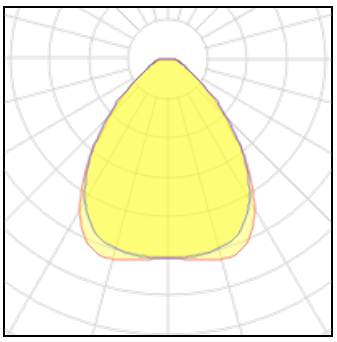
3F LEM 2 HO LED 140 DALI CR AMPIO + VS
58972+A0812
3F FILIPPI



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 98%, ULOR 2%). Initial luminous flux of the luminaire 17702 lm. Direct symmetric wide distribution: the illuminated area has a rectangular shape. Installation Interdistance Transv.D = 1.21 x hu - Long.D = 1.23 x hu. Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 23.1 - 23.1. Beam angle: 82° - 83°. Luminous efficacy 128 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 2 Mid-Power linear LED modules 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 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 wide distribution, fixed on the LED modules. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 470x542 mm, height 133 mm. Weight 10.21 kg. IP65 protection degree. Mechanical strength to impacts IK06 (1 joule). Glow-wire test resistance 650°C. ELECTRICAL Halogen Free DALI, PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.97 at full load, THD <25%, constant output current, class I, 1 driver, 1 DALI addresse. Power of the luminaire 138 W. ENEC - CE. Flicker: <4%. 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 15% 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 A0812 - Anti-glare microprismatic VS moulded 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. LIGHT MANAGEMENT Recommended minimum setting: 10%. The device, equipped with DALI driver, can be controlled manually with 3F Easy Dim technology or automatically/manually with 3F Smart Dimming technology and/or centralised DALI systems. In electrical systems without a regulation system (manual or automatic) and DALI bus, a suitable jumper must be made on the DA-DA terminals of the appliance. 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	138 W	CRI	80
Total flux	17702 lm	LOR	100%
Luminous efficacy	128 lm/W	Total power	138 W

Mounting mode

Ceiling mounted, Pendant

Shape and measurements

Length: 18.50 in
Width: 21.34 in
Height: 5.08 in

Adjustability

Fixed

Electric

System power: 138 W
Appliance Class: I

Protection

IP: 65
IK: 06