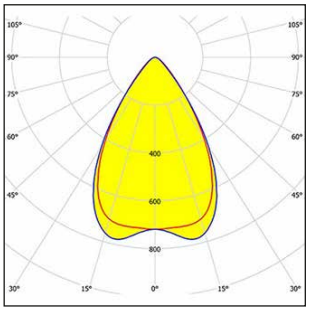
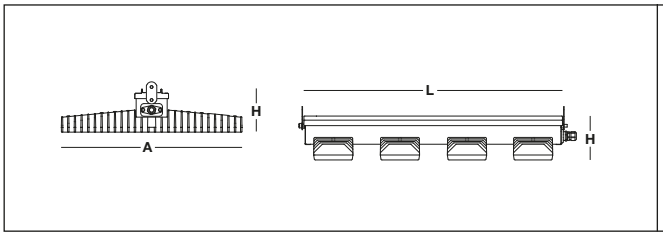
59088 - 3F LEM 4 SPORT LED 200 CR MEDIO





L	757 mm
A	542 mm
H	129 mm

Industrial luminaire with high light output and high luminous efficiency designed with the most innovative technologies for environments with temperature up to 55°C.

ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).
Initial luminous flux of the luminaire 36719 lm.
Medium distribution with rectangular shape.
Installation Interdistance Transv.D = 1.02 x hu - Long.D = 1.06 x hu.
Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 19.6 - 19.2.
Beam angle: 65° - 67°.
Luminous efficacy 168 lm/W.
Lifetime (L97/B10): 30000 h. (tq+25°C)
Lifetime (L95/B10): 50000 h. (tq+25°C)
Lifetime (L92/B10): 80000 h. (tq+25°C)
Lifetime (L90/B10): 100000 h. (tq+25°C)
Lifetime (L90/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/840.
Source with special protection against aggressive chemically-volatile substances for standard LED technology.
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 modular heatsinks in die-casted aluminium, painted in white colour. To optimize the thermal management of the LED module, the heatsinks are oversized and provided with self-cleaning of cooling fins.
Aluminium and galvanised steel housing painted white, specially strengthened, anchored solidly to the sinks and thermally separated.
3F Lens lenses with high luminous efficiency, transparent methacrylate (PMMA), fixed to the LED modules.
Fixing brackets in stainless steel.
Luminaire with limited surface temperature. - D - (EN 60598-2-24)
Dimensions: 757x542 mm, height 129 mm. Weight 17.365 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 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 +55°C.
Temperature class T6 max 85°C.
Quick connection in polycarbonate with M20x1,5 cable gland, to access the terminal block positioned on a removable runner.
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

Luminaire suitable for gyms as weel as sports, commercial, exhibition and industrial environments.
Applications with high ambient temperature up to 55°C.
Resistance against ball impacts in accordance with DIN 18032-3.

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.

Performances are measured and certified by our CTFs2 Photometric Laboratory (EN 13032, IES LM79); Test and Inspections (EN IEC 60598-1, CISPR 15, IEC 61547). Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process. Luminous flux and power supply have +/-10% tolerances with respect to the indicated value. tq +25°C (CIE 121).

3F Filippi S.p.A.
Via del Savena 28, Z.I. Piastrella - 40065 Pian di Macina, Pianoro (Bologna), Italy
Tax Code. 01033260371 - VAT no. IT00529461204 - Share Capital € 3,000,000 fully paid up
Bologna Register of Companies no. 01033260371 - REA (economic administrative index) No. 234613

Web www.3F-Filippi.com
e-Mail 3F-Filippi@3F-Filippi.it
Telephone +39.051.6529611
Fax +39.051.775884