



L	1565 mm
A	235 mm
H	107 mm

### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 99%, ULOR 1%).  
 Initial luminous flux of the luminaire 14703 lm.  
 Symmetrical elliptical hyperconcentrated distribution.  
 Installation Interdistance Transv.D = 0.40 x hu - Long.D = 0.67 x hu.  
 Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 15.4 - 17.7.  
 Beam angle: 24° - 42°.  
 Luminous efficacy 149 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+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 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

Housing in AISI 304 stainless steel, pressed in one single piece.  
 Polycarbonate screen etched internally, V2 self-extinguishing, UV stabilised, injection moulded.  
 Ecologic anti-aging sealing gasket.  
 Oversized gear-tray reflector unit in highly reflective white painted hot-galvanised steel.  
 Methacrylate (PMMA) lenses with external flat surface.  
 Stainless steel snap-lock clips for diffuser mounting (safety n° 4 per fixture).  
 Luminaire with limited surface temperature. - D - (EN 60598-2-24)  
 Dimensions: 1565x235 mm, height 107 mm. Weight 8.6 kg.  
 IP65 protection degree.  
 Mechanical strength to impacts IK09 (10 joule).  
 Glow-wire test resistance 850°C.

### ELECTRICAL

Halogen Free DALI-2 DATI (Parts 251, 252, 253), PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.95 at full load, THD <25%, constant output current, class I, 1 driver, 1 DALI address.  
 Power of the luminaire 99 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 -20°C to +45°C.  
 Temperature class T6 max 85°C.  
 Quick connection via M25 5P connector with 9-13 mm tightening range.  
 Relative humidity UR: <85%.

### INSTALLATION

Ceiling / Suspended / Wall.  
 Recommended minimum installation height: 4 metres from the ground.  
 All accessories dedicated to this product are available on the Catalog and on our website [www.3F-Filippi.com](http://www.3F-Filippi.com).

### APPLICATIONS

Suitable product for food production plants (HACCP), IFS (Food), BRC (GSFS Food).  
 Dry, dusty indoor environments, subject to occasional water splashes.  
 Any environments except the ones where the luminaire materials are unsuitable.  
 Industrial environments, warehouses, environments where security locks are required on all clips, e.g. prisons (on request).  
 Environments in which it is necessary a total protection against falling fragments (eg environments with foodstuffs or machines with moving parts or with extreme temperature changes), use luminaires with laminated glass.  
 Tempered glass is not immune to falling fragments from harmless and caused by shocks or exceptionally derived from the tempering process.

### LIGHT MANAGEMENT

Recommended minimum setting: 10%.  
 The luminaire, equipped with (DALI-2 DATI) driver, can be controlled manually with 3F Easy Dim technology or automatically/manually with wired or wireless DALI/D2D control systems.  
 The D2D driver guarantees interoperability with other devices with the same certification by making the following information available:  
 Device Data (Part 251), Energy Report (Part 252), Diagnosis & Maintenance (Part 253).  
 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.

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).

Dimensions and specifications subject to alterations without notice.

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