



### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).  
 Initial luminous flux of the luminaire 3321 lm.  
 Direct symmetric UGR distribution.  
 Installation Interdistance Transv.D = 0.99 x hu - Long.D = 0.98 x hu.  
 Average luminance <200 cd/m<sup>2</sup> for radial angles >65°.  
 Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 18.4 - 18.4.  
 Beam angle: 65° - 64°.  
 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)  
 Sudden decreased luminous flux after 50000 hours: 0% (C0).  
 Photobiological safety in compliance with IEC/TR 62778: RGO risk exempt, (IEC 62471).  
 In compliance with IEC/EN 62722-2-1 - IEC/EN 62717 standards.

### SOURCE

Compact LED module 3000/840.  
 Energy efficiency class (UE 2019/2020 - UE 2019/2015): D.  
 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.  
 Zhaga Book 3 compliant.

### MECHANICAL

Passive heat dissipator in die-casting aluminium, oversized, for optimum thermal management of the LED module.  
 Parabolic element with graduated/concentric rings in black polycarbonate.  
 Internal specular metallic louvre to optimise control of the luminous flux in polycarbonate.  
 Transparent external lens with glossy and satin differentiated surfaces, with a cooling and anti-insect system in methacrylate (PMMA).  
 Fastening spring clips in stainless steel.  
 Dimensions: diameter 216 mm, height 142 mm. Weight 1.52 kg.  
 IP44 protection degree for exposed part, IP20 for recessed part.  
 Mechanical strength to impacts IK04 (0.5 joule).  
 Glow-wire test resistance 650°C.

### ELECTRICAL

Wiring on a separate unit.  
 Halogen Free DALI-2 DATI (Parts 251, 252, 253), PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.97 at full load, THD <25%, constant output current, SELV, class II, 1 driver, 1 DALI address.  
 Power of the luminaire 23 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 0°C to +25°C.  
 Temperature class T6 max 85°C.  
 Relative humidity UR: <85%.

### INSTALLATION

Pull-up recessed fitting.  
 False ceiling carving: 200 mm.  
 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

In environments with VDTs, managerial offices and staterooms, public offices and schools.  
 In false ceilings with narrow voids.

### 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

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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