



To replace the 4x55W IP64 version.

### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).  
 Initial luminous flux of the luminaire 14051 lm.  
 Emergency luminaire luminous flux BLF 4.3%.  
 Wide symmetric distribution.  
 Installation Interdistance Transv.D = 1.02 x hu - Long.D = 1.20 x hu.  
 Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20); RUG 24.3 - 24.  
 Beam angle: 102° - 104°.  
 Luminous efficacy 129 lm/W.  
 Lifetime (L93/B10): 30000 h. (tq+25°C)  
 Lifetime (L90/B10): 50000 h. (tq+25°C)  
 Lifetime (L80/B10): 80000 h. (tq+25°C)  
 Lifetime (L70/B10): 100000 h. (tq+25°C)  
 Lifetime (L70/B10): 50000 h. (tq+25°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 linear LED modules 25W/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

Aluminium gear-tray unit.  
 Tamper-proof closures (2 pieces) to replace the two existing ones.  
 Luminaire with limited surface temperature. - D - (EN 60598-2-24)  
 Dimensions: 680x680 mm, height 187 mm. Weight 3.8 kg.  
 Glow-wire test resistance 960°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.  
 Single-circuit wiring.  
 Power of the luminaire 109 W.  
 CE - IEC 60598-1 - EN 60598-1.  
 EP maintained emergency wiring on board, 1h duration, 24h recharge; compliant with  
 EN 60598-2-22, excluding high risk areas.  
 SAFE FLICKER: PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to  
 ensure a more comfortable and safe light.  
 Ambient temperature from +5°C to +25°C.  
 Temperature class T6 max 85°C.  
 Relative humidity UR: <85%.

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).

### INSTALLATION

Retrofit.  
 Correct installation of the retrofit LED kit, compliant with EN 60598-1 and CE marked, inside the 3F Filippi - 3F Cub Fluorescent luminaires must be only performed by qualified personnel to ensure compliance with the national installation standards.

### APPLICATIONS

Evaluate the use of moulded anti-glare glass according to the application.

### 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 <5°C and/or relative humidity >85%.  
 In order to maintain the degree of protection of the device and for the purposes of validity of the guarantee of the new retrofit kits, it is imperative:  

- follow the safety and operating instructions described in the installation instructions
- the use of the two self-drilling screws supplied (one for each driver), will perform the dual function of drilling the body and fixing the driver, while maintaining the fixture's degree of protection
- the replacement of existing tamper-proof closures with new ones
- clean the screen glass to improve efficiency

 Luminaire designed for disposal/recycling at end-of-life.  
 Replaceable (LED only) light source by a professional. Replaceable control gear by a professional.