



L	599 mm
A	599 mm
H	60 mm

### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).  
 Initial luminous flux of the luminaire 3354 lm.  
 Direct symmetric distribution.  
 Installation Interdistance Transv.D = 1.39 x hu - Long.D = 1.39 x hu.  
 Average luminance <1000 cd/m<sup>2</sup> for radial angles >65°.  
 Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 16.5 - 16.5.  
 Beam angle: 93° - 92°.  
 Luminous efficacy 160 lm/W.  
 Lifetime (L95/B10): 30000 h. (tq+25°C)  
 Lifetime (L90/B10): 50000 h. (tq+25°C)  
 Lifetime (L80/B10): 80000 h. (tq+25°C)  
 Lifetime (L75/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

Squared LED module 19W/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

Housing in hot-galvanised steel, painted in white polyester.  
 Honeycombed diagonal screen in white anti-glare polycarbonate.  
 Rhomboidal lenses with differentiated surfaces, etched and prismatic to optimise the orientation of the luminous flux, in transparent methacrylate (PMMA).  
 Luminaire with limited surface temperature. - D - (EN 60598-2-24)  
 Dimensions: 599x599 mm, height 60 mm. Weight 4.285 kg.  
 IP43 protection degree for exposed part, IP20 for recessed part.  
 Mechanical strength to impacts IK06 (1 joule).  
 Glow-wire test resistance 650°C.

### ELECTRICAL

Halogen Free DALI-2, PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.90 at full load, THD <25%, constant output current, class I, 1 driver, 1 DALI address.  
 Power of the luminaire 21 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 15% in DC.  
 Ambient temperature from 0°C to +25°C.  
 Temperature class T6 max 85°C.  
 Quick connection.  
 Relative humidity UR: <85%.

### INSTALLATION

Recessed fixture for coplanar installation with metal panels with low visible structure.  
 Height only 30 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).

### SUPPLIED

Stainless steel installation springs, supplied to be installed.

### APPLICATIONS

Environments: staterooms, with VDTs, offices.  
 Environments with exacting visual tasks, where diffused soft light for optimum visual comfort is required.

### LIGHT MANAGEMENT

Recommended minimum setting: 10%.  
 The device, equipped with DALI-2 driver, can be controlled manually with 3F Easy Dim technology or automatically/manually with 3F Smart Dimming technology and/or centralised DALI systems.  
 DALI-2 certification guarantees interoperability with other devices with the same certification.  
 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.

ST.20240724 - Page 1 of 1

### 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](http://www.3F-Filippi.com)  
**e-Mail** [3F-Filippi@3F-Filippi.it](mailto:3F-Filippi@3F-Filippi.it)  
**Telephone** +39.051.6529611  
**Fax** +39.051.775884