

## A20670 - 3F Linux L 50/940 LED DALI UGR L1778 (IP40)



		<b>L</b>	<b>1778 mm</b>
		<b>A</b>	<b>62 mm</b>
		<b>H</b>	<b>32 mm</b>

### Light unit for structure continues 3F Linux S.

#### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 97%, ULOR 3%).  
 Initial luminous flux of the luminaire 6286 lm.  
 Direct symmetric distribution.  
 Installation Interdistance Transv.D = 1.39 x hu - Long.D = 1.30 x hu.  
 Average luminance <3000 cd/m<sup>2</sup> for radial angles >65°.  
 Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 18.3 - 16.6.  
 Beam angle: 78° - 75°.  
 Luminous efficacy 126 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

Linear LED module 50W/940.  
 Source with special protection against aggressive chemically-volatile substances for standard LED technology.  
 Energy efficiency class (UE 2019/2020 - UE 2019/2015): E.  
 CIE 13.3 Colour rendering index: CRI >90 (R9 >50%).  
 IES TM-30 Fidelity Index: Rf = 92 Rg = 101.  
 CCT nominal colour temperature 4000 K.  
 Colour initial tolerance (MacAdam): SDCM 3.

#### MECHANICAL

Light unit in hot-galvanised steel, painted in white polyester base with fixing springs and retractable safety hooks in stainless steel.  
 Transparent methacrylate (PMMA) controlled distribution lenses with flat external surface.  
 Luminaire with limited surface temperature. - D - (EN 60598-2-24)  
 Dimensions: 1778x62 mm, height 65 mm. Weight 2.39 kg.  
 IP40 protection degree.  
 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 0.95 at full load, THD <25%, constant output current, class I, 1 driver, 1 DALI address.  
 Power of the luminaire 50 W.  
 CE - IEC 60598-1 - EN 60598-1.  
 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 +45°C.  
 Temperature class T6 max 85°C.  
 Connection to the structure with 5-pin plug with phase selection (H05Z-U Halogen Free cable section 0.5 mm<sup>2</sup> HT90).  
 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

Ceiling / Suspended / Wall.  
 All accessories dedicated to this product are available on the Catalog and on our website [www.3F-Filippi.com](http://www.3F-Filippi.com).

#### STRUCTURE

Hot-galvanised wired structure, painted in polyester base white, obtained through rolling process.  
 Saline-mist resistance equal to 300hrs and damp resistance equal to 700hrs.  
 Through-wiring 5 or 7 poles with cables H07Z-U Halogen Free section 2.5 mm<sup>2</sup> HT90, with quick connecting terminal, irreversible, start / end and intermediate power towers.  
 Linear connecting element in hot galvanised steel already mounted on one end to form continuous channels, only L3556 structures.  
 A20017 - 3F Linux S 5P L3556, structure with through-wiring 5-pole.  
 A20019 - 3F Linux S 5P L1778, structure with through-wiring 5-pole.  
 A20024 - 3F Linux S 7P L3556, structure with through-wiring 7-pole.  
 A20026 - 3F Linux S 7P L1778, structure with through-wiring 7-pole.

#### APPLICATIONS

Suitable product for food production plants (HACCP), IFS (Food), BRC (GSFS Food).  
 In commercial environments, exhibition areas, shops and stores.  
 In environments with VDTs, managerial offices and staterooms, public offices and schools.

#### 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.