

# Product data sheet

L 650 42W/840 DALI EP VSS 596X596

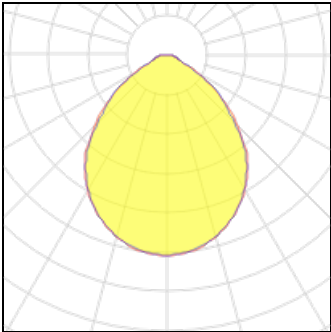
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3F FILIPPI



ILLUMINOTECHNICAL Luminous efficiency 100% (DLOR 100%, ULOR 0%). Initial luminous flux of the luminaire 4965 lm. Emergency luminaire luminous flux BLF 13.1%. Direct symmetric distribution. Installation Interdistance Transv.D = 1.17 x hu - Long.D = 1.16 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 18.1 - 18. Beam angle: 90° - 88°. Luminous efficacy 103 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: RG0 risk exempt, (IEC 62471). In compliance with IEC/EN 62722-2-1 - IEC/EN 62717 standards. SOURCE Squared LED module 42W/840. Source with special protection against aggressive chemically-volatile substances for standard LED technology. 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. MECHANICAL Housing in galvanized steel, painted in white epoxy-polyester. Perimetral frame in white stainless steel. VSS moulded laminated dipped glass, non-combustible, thickness 7 mm. Anti-glare opal polycarbonate filter for brightness uniformity. Luminaire with limited surface temperature. - D - (EN 60598-2-24) Dimensions: 596x596 mm, height 90 mm. Weight 9.2 kg. IP66 protection degree for exposed part, IP64 for recessed part. Mechanical strength to impacts IK08 (5 joule). ELECTRICAL Halogen Free DALI, PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.95 at full load, THD <25%, constant output current, SELV, class I, 1 driver, 1 DALI address. Power of the luminaire 48 W. CE - IEC 60598-1 - EN 60598-1. EP maintained emergency wiring on board with dedicated quick connection, 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. 5-pole terminal block (L-N-PE-DA/DA) quick connection for line connection with connection capacity 2x2.5 mm<sup>2</sup> per poles. Relative humidity UR: <85%. INSTALLATION Lay-in recessed fitting. 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 Version 6), BRC (GSFS Food Version 7). Environments: hospital premises, transit areas, laboratories, platform-roof, underpasses. Environments: sterilized, aseptic. In hospital environments, food industry or machines with parts in motion, with considerable sudden temperature changes, and in general in any environments requiring total protection against falling fragments, use luminaires with laminated glass only. Tempered glass is not immune to falling fragments from harmless and caused by shocks or exceptionally derived from the tempering process. Environments requiring a high level of protection and simplified cleaning. 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 driver, can be controlled manually with 3F Easy Dim technology or automatically/manually with 3F Smart Dimming technology and/or centralised DALI systems. 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.

Light output 1 (integrated)



|                    |          |             |        |
|--------------------|----------|-------------|--------|
| Lamp type          | LED      | CCT         | 4000 K |
| Nominal lamp power | 48 W     | CRI         | 80     |
| Total flux         | 4965 lm  | LOR         | 100%   |
| Luminous efficacy  | 103 lm/W | Total power | 48 W   |

Mounting mode

Ceiling recessed

Shape and measurements

Length: 23.46 in

Width: 23.46 in

Height: 3.54 in

Adjustability

Fixed

Design

Color of housing: White

Electric

System power: 48 W

Appliance Class: I

Protection

IP: 66

IK: 08