Product data sheet

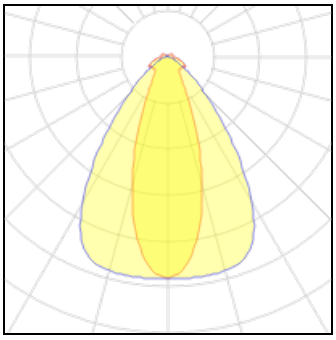
3F TANK 45W/865 DALI CONC L1265
56729
3F FILIPPI



IP 66

LED luminaire with high mechanical and chemical resistance in tubular form for low temperatures and severe conditions such as ATEX environments. ILLUMINOTECHNICAL Luminous efficiency 100% (DLOR 95%, ULOR 5%). Initial luminous flux of the luminaire 6511 lm. Direct symmetric concentrated distribution. Installation Interdistance Transv.D = 0.57 x hu - Long.D = 1.14 x hu. Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 21.5 - 19.9. Beam angle: 36° - 74°. Luminous efficacy 130 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) Lifetime (L85/B10): 50000 h. (tq+40°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 45W/865. 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 6500 K. Colour initial tolerance (MacAdam): SDCM 3. MECHANICAL High thickness tubular body in high transparency polycarbonate surface treatment, which guarantees resistance to aggressive chemical agents. Methacrylate (PMMA) lenses with external flat surface. Aluminium 6082-T6 end caps. Sealing gasket. Gear-holder reflector in hot-dip galvanised steel, painted with white polyester base. Fixing brackets and screws in AISI 316 stainless steel. Dimensions: length 1264 mm, diameter 80 mm. Weight 3.75 kg. IP69K protection degree; IP66 ATEX applications. Mechanical strength to impacts IK10 (20 joule). Glow-wire test resistance 850°C. ELECTRICAL Halogen Free DALI, PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.97 at full load, THD <25%, constant output current, class I, 1 driver, 1 DALI addresse. 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 -20°C to +40°C. Temperature class T6 max 85°C. Quick connection via M20x1.5 cable gland in fibreglass reinforced polyamide with 2m H07RN-F 5G1.5mm² cable. Relative humidity UR: <95%. INSTALLATION Ceiling / Suspended / Wall. All accessories dedicated to this product are available on the Catalog and on our website www.3F-Filippi.com. APPLICATIONS Environments with ATEX explosive atmosphere (Conformity 2014/34/UE, EN IEC 60079-0, EN 60079-31): Group II, Category 3D (Ex Tc IIIC T85°C Dc). Suitable product for food production plants (HACCP), IFS (Food Version 6), BRC (GSFS Food Version 7). Severe Industrial Environments, food and agri-food industries, scientific and food processing laboratories, environments with high humidity, swimming pools, railway, aeronautical and port applications. In environments with temperature from -20°C to +40°C with a humidity degree up to 95%, except the ones where the luminaire materials are unsuitable. Body resistant to the following substances: Ethyl alcohol (24 hours at 20°C), aqueous detergents, hydrochloric acid (produces a slight halo), DOT4 brake oil, sulfuric acid (produces a slight halo), ammonia. When using this data, remember that it is the result of laboratory tests, and therefore valid only under those test conditions: the data is to be considered approximate and, in the absence of practical experience, it is advisable to carry out tests under actual operating conditions. Temperature and concentration of the chemical agent can affect materials and influence LED technology. For applications in environments in which disturbances on the power network may be present and/or involve use at low temperatures, surge protection devices should be fitted on the power supply and any causes of undervoltages eliminated. For specific applications please contact our technical offices. 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



1 x LED

Nominal lamp power	50 W	LOR	100%
Lamp flux	6511 lm	ULOR	5%
Luminous efficacy	130 lm/W	Total flux	6510 lm
CCT	6500 K	Total power	50 W
CRI	80		

Mounting mode

Ceiling mounted

Shape and measurements

Height: 49.76 in

Diameter: 3.15 in

Adjustability

Fixed

Electric

System power: 50 W

Appliance Class: I

Protection

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