



### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).  
Initial luminous flux of the luminaire 2369 lm.  
Direct symmetric wide distribution.  
Installation Interdistance Transv.D = 1.01 x hu - Long.D = 1.00 x hu.  
Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 24.9 - 24.9.  
Beam angle: 70° - 70°.  
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

Compact LED module 3000/840.  
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

Passive heat dissipator in die-casting aluminium, oversized, for optimum thermal management of the LED module.  
Parabolic element with graduated/concentric rings in white polycarbonate.  
Transparent external lens with glossy and satin differentiated surfaces, with a cooling and anti-insect system in methacrylate (PMMA).  
Fastening spring clips in stainless steel.  
Dimensions: 170x170 mm, height 107 mm.  
IP44 protection degree for exposed part, IP20 for recessed part.  
Mechanical strength to impacts IK05 (0.7 joule).  
Glow-wire test resistance 650°C.

### ELECTRICAL

Wiring on a separate unit.  
Halogen Free electronic wiring 230V-50/60Hz, power factor 0.95, THD <25%, constant output current, SELV, class II, 1 driver.  
Power of the luminaire 23 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 100% in DC.  
Ambient temperature from 0°C to +25°C.  
Temperature class T6 max 85°C.  
Relative humidity UR: <85%.

### INSTALLATION

Pull-up recessed fitting.  
False ceiling carving: 150 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).

### APPLICATIONS

Suitable product for food production plants (HACCP), IFS (Food), BRC (GSFS Food).  
Environments: architectural, commercial, exhibition areas, transit areas, corridors, shops, display windows, service areas.  
In false ceilings with narrow voids.

### 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.

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