



**Industrial luminaire with high luminous flux and high luminous efficiency, equipped with node with Wireless 2.4 GHz dual Bluetooth LE/ Zigbee 3.0 technology, and designed using the most innovative technology for rooms with temperatures up to 45°C.**

### ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).  
 Initial luminous flux of the luminaire 28996 lm.  
 Concentrated rotosymmetric distribution.  
 Installation Interdistance Transv.D = 1.14 x hu - Long.D = 1.16 x hu.  
 Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 26.2 - 26.3.  
 Beam angle: 86° - 86°.  
 Luminous efficacy 176 lm/W.  
 Lifetime (L95/B10): 30000 h. (tq+25°C)  
 Lifetime (L92/B10): 50000 h. (tq+25°C)  
 Lifetime (L90/B10): 80000 h. (tq+25°C)  
 Lifetime (L87/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

4 circular LED modules 34W/840.  
 Source with special protection against aggressive chemically-volatile substances for standard LED technology.  
 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

Passive modular heatsinks in die-casted aluminium, painted in white colour.  
 To optimize the thermal management of the LED module, the heatsinks are oversized and provided with self-cleaning of cooling fins.  
 Heavy-gauge stainless steel plate for maximum strength and a circular wiring compartment consisting of a die-cast, in white painted aluminium monoblock with a fixed central ring with luminaire alignment function.  
 3F Lens lenses in transparent methacrylate (PMMA) with external flat surface, with high luminous efficiency.  
 Polyurethane foam seal, ecological, anti-aging, installed using a continuous automatic process with no joints.  
 Galvanised steel safety cable ø 2 mm and clamps, supplied.  
 Galvanised steel carabiner for central fixing with chain, supplied.  
 Luminaire with limited surface temperature. - D - (EN 60598-2-24)  
 Dimensions: diameter 508 mm, height 175 mm. Weight 10.2 kg.  
 IP65 protection degree.  
 Mechanical strength to impacts IK05 (0.7 joule).  
 Glow-wire test resistance 650°C.

### ELECTRICAL

Halogen Free DALI-2 DATI (Parts 251, 252, 253) electronic wiring 230V-50/60Hz, power factor 0.97 at full load, THD <25%, constant output current, class I, 1 driver.  
 Wireless BLE/ZigBee light and presence sensor integrated in the luminaire.  
 Power of the luminaire 165 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 DC only (Central Power Supply System), not incorporated in the luminaire - high risk areas excluded. The default power and flux are 15% in DC.  
 Ambient temperature from -30°C to +45°C.  
 Temperature class T6 max 85°C.  
 Quick connection via M20 3P connector with 9-13 mm tightening range.  
 Power unit positioned on a separate compartment by the LED module to ensure optimum temperatures of cabling components, to be inspectable and maintainable.  
 Relative humidity UR: <85%.

### INSTALLATION

Ceiling / Suspended.  
 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

Recommended luminaire for energy efficiency and lighting management in installations without adjustable signal cables.  
 Dry, dusty indoor environments, subject to occasional water splashes.  
 Commercial, industrial and sporting environments (with no high-flying balls), as well as warehouses.  
 Environments in which it is necessary a total protection against falling fragments (eg environments with foodstuffs or machines with moving parts or with extreme temperature changes), use luminaires with polycarbonate lenses.

### LIGHT MANAGEMENT

Recommended minimum setting: 10%.  
 Multi-sensor equipped luminaire (light and presence) with Wireless 2.4 GHz dual Bluetooth LE/Zigbee 3.0 technology.  
 Recommended installation height up to 10 m.  
 Each device in the Zigbee 3.0 network receives, regenerates and resends the signal to subsequent devices, creating a wireless Mesh Network.  
 Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

### WARNING

Fixture not suitable for cold stores with an ambient temperature <0°C and/or relative humidity >85%.  
 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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