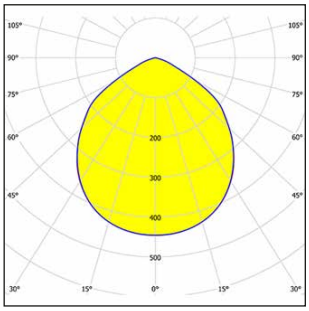
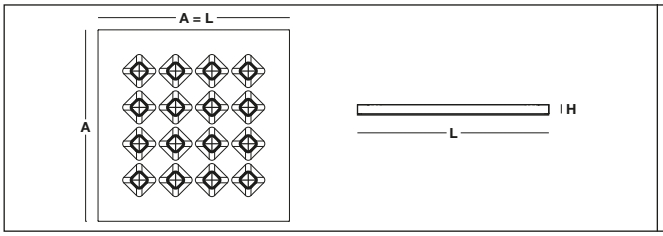
12142 - 3F Diagon P 25W DT8 TW SOFT UGR 596x596 (CCT 6500)





L	596 mm
A	596 mm
H	40 mm

ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 100%, ULOR 0%).
Initial luminous flux of the luminaire 3567 lm.
Direct symmetric distribution.
Installation Interdistance Transv.D = 1.23 x hu - Long.D = 1.23 x hu.
Average luminance <3000 cd/m² for radial angles >65°.
Tabular UGR (CIE 117 - 4H-8H; S=0.25H; 70/50/20): RUG 18.6 - 18.6.
Beam angle: 102° - 101°.
Luminous efficacy 127 lm/W.
Lifetime (L95/B10): 30000 h. (tq+25°C)
Lifetime (L90/B10): 50000 h. (tq+25°C)
Lifetime (L80/B10): 80000 h. (tq+25°C)
Lifetime (L75/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 25W/TW.
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.
The colour temperature can be adjusted between 2700 K and 6500 K.
Colour initial tolerance (MacAdam): SDCM 3.

MECHANICAL

White painted frame.
Height only 40 mm.
Housing in hot-galvanised steel, painted in white polyester.
Honeycombed diagonal screen in white anti-glare polycarbonate.
Opal methacrylate (PMMA) rhomboid lenses with differentiated, engraved and prismatic surfaces for diffused, soft lighting and excellent visual comfort.
Luminaire with limited surface temperature. - D - (EN 60598-2-24)
Dimensions: 596x596 mm, height 40 mm. Weight 6.825 kg.
IP40 protection degree.
Mechanical strength to impacts IK06 (1 joule).
Glow-wire test resistance 650°C.

ELECTRICAL

Halogen Free DALI DT8, PUSH-DIM, electronic wiring 230V-50/60Hz, power factor 0.90 at full load, THD <25%, constant output current, class I, 1 driver, 1 DALI addresse.
Power of the luminaire 28 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 +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 mm² per poles.
Relative humidity UR: <85%.

INSTALLATION

Ceiling.

APPLICATIONS

Any environments requiring light which aims for the wellness of people.
Environments: staterooms, with VDTs, offices.
Environments with exacting visual tasks, where diffused soft light for optimum visual comfort is required.

LIGHT MANAGEMENT

Recommended minimum setting: 10%.
The luminaire, equipped with DALI DT8 driver, is designed for adjusting the luminous flux and colour temperature; can be controlled manually or automatically/manually with 3F HCL technology or 3F Bluetooth.

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).

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