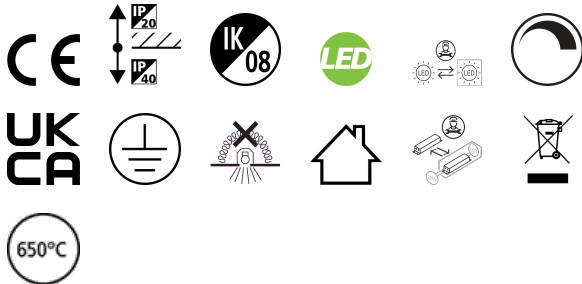


QUADRO UGR16 625x625 DALI 4600LM 840

Item No: 0047258

SYLVANIA

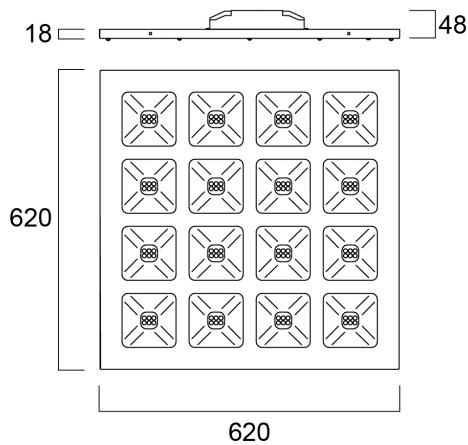
PROTM



Unique stylish recessed modular Led luminaire, ideal for general indoor lighting applications such as breakout areas, offices and meeting rooms. Steel frame with integrated reflector, passive cooling. Low glaring UGR<16. RG1, 75 degree beam angle , optical system: white painted reflector with total internal reflection lenses. Light color temperature: 4000K Neutral White, total system power: 36W , total fixture output: 4600lm, efficacy: 128 lm/W, Ra80 typical, LED chromacity: 3 step MacAdam ellipse (SDCM3), lifespan: 77,000 hours at 80% of the original output (L80B20), IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, low flicker, DALI dimmable driver, electrical protection: Class I. Degree of Protection: IP40/IP20, suitable for indoor environment only. Nominal size: 620x620mm, Loop in / loop out wiring, safety cables included, 18mm nominal height, RAL 9003 - Signal white color frame, weight: 5Kg.

Technical Assets

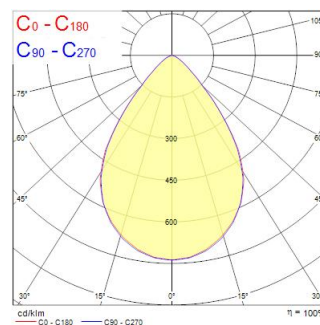
Dimensions (mm)



Photometrics

| Distance [m] | Cone diameter [m] | Beam diameter [m] | Beam diameter [m] | Illuminance [lx] |
|--------------|-------------------|-------------------|-------------------|------------------|
| 0.5 | 0.74 0.75 | 0.07 | 0.08 | 15486 5554 |
| 1.0 | 1.45 1.48 | 0.07 | 0.08 | 3374 889 |
| 1.5 | 2.22 2.24 | 0.07 | 0.08 | 1500 382 |
| 2.0 | 2.96 2.98 | 0.07 | 0.08 | 844 223 |
| 2.5 | 3.70 3.72 | 0.07 | 0.08 | 540 141 |
| 3.0 | 4.44 4.47 | 0.07 | 0.08 | 375 96 |

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 73.4°)
 — C90 - C270 (Half beam angle: 73.0°)



QUADRO UGR16 625x625 DALI 4600LM 840

Item No: 0047258

SYLVANIA

General data

| | |
|---|--|
| Product name | QUADRO UGR16 625x625 DALI 4600LM 840 |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting, Suspended |
| Built in presence detector | NONE |
| General application | Education, Office |
| Operating temperature range (°C) | -10°C...+50°C |
| Performance ambient temperature Tq (°C) | 25 |
| Virtual assistant compatibility | N/A |
| ETIM Class | EC002892 |
| Warranty | 5 years |

Optical data

| | |
|--|---------------|
| Fixture luminous flux (lm) | 4600 |
| Luminaire efficacy (lm/W) | 128 |
| LOR (%) | 100 |
| Correlated colour temperature (k) | 4000 |
| Light colour | Neutral White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Beam Angle (°) | 75 |
| Distribution type | Symmetric |
| Glare control | < 16 |
| Photobiological Risk Group | RG1 |
| Lumen maintenance at end of nominal life (%) | 70 |

Electrical data

| | |
|--|------------------------|
| Total power consumption (W) | 36 |
| Primary Supply/Product voltage - min (V) | 220 |
| Primary Supply/Product voltage - max (V) | 240 |
| Lamp power factor | 0.95 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 9.0 |
| Electrical protection | Class I |
| Control gear required | No |
| Control gear type | Electronic ballast |
| No. Of switching cycles before premature failures | >100000 |
| Dimmable | Yes |
| Dimming method | DALI |
| Minimum dimming level (%) | 1 |
| Drive current (mA) | 155 |
| Inrush Current (A) | 40 |
| Inrush Duration (µs) | 150 |
| Energy Efficiency Class (A->G) of contained light source | E |
| Nominal Frequency (Hz) | 50/60Hz |
| LED Flickering Rate | Ultra low (5% or less) |
| Max. products per 10A C Breaker | 38 |
| Max. products per 13A C Breaker | 48 |
| Max. products per 16A C Breaker | 60 |
| Max. products per 20A C Breaker | 75 |
| Max. products per 10A B Breaker | 32 |
| Max. products per 13A B Breaker | 41 |
| Max. products per 16A B Breaker | 52 |
| Max. products per 20A B Breaker | 64 |
| Connectable conductor cross section - Max (mm ²) | 1.5 |

Lifetime data

| | |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 77000 |

QUADRO UGR16 625x625 DALI 4600LM 840

Item No: 0047258



Physical data

| | |
|-----------------------------|-------------------------|
| Housing colour | RAL 9003 - Signal white |
| IP rating | IP40/20 |
| IK rating | IK08 |
| Diffuser finish | Transparent |
| Diffuser material | None |
| Nominal Product Length (mm) | 620 |
| Nominal Product Width (mm) | 620 |
| Nominal Product Height (mm) | 18.8 |
| Weight (kg) | 5.02 |
| Recessed Depth (mm) | 60 |

Packaging

| | |
|---------------------------------------|----------------|
| Product EAN number | 5410288472584 |
| Packaging single length / height (cm) | 62.0 |
| Packaging single width (cm) | 62.0 |
| Packaging single depth (cm) | 4.0 |
| DUN14 (inner) | 15410288472581 |
| Units per outer package | 60 |
| Packaging outer length / height (cm) | 151.0 |
| Packaging outer width (cm) | 81.0 |
| Packaging outer depth (cm) | 64.0 |

Safety data

| | |
|----------------------------------|--------|
| Glow Wire Test (°C) | 650 |
| Optimal operating condition (°C) | -10-50 |