

# QUADRO UGR16 600x600 DALI 4600LM 840

Code article 0047252

**SYLVANIA**

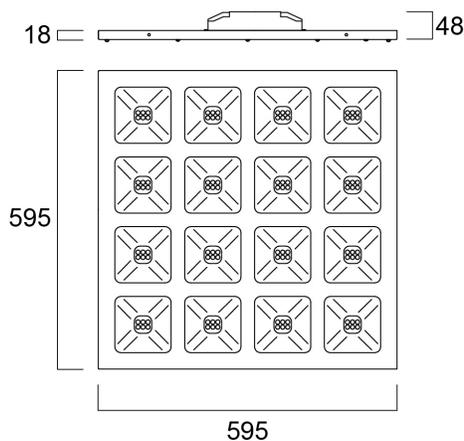
**PRO**<sup>TM</sup>



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: 595x595mm, Loop in / loop out wiring, safety cables included, 18mm nominal height, RAL 9003 - Signal white color frame, weight: 4,8Kg.

## Atouts techniques

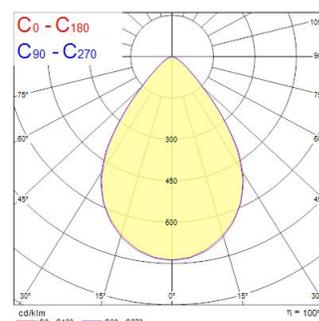
### Dimensions (mm)



### Photométrie

| Distance [m] | Cone diameter [m] | E10° [lx] | E30° [lx] | E60° [lx] | E90° [lx] |
|--------------|-------------------|-----------|-----------|-----------|-----------|
| 0.5          | 0.74<br>0.75      | 1546      | 385*      | 354*      | 354*      |
| 1.0          | 1.48<br>1.48      | 3374      | 385*      | 385*      | 385*      |
| 1.5          | 2.22<br>2.24      | 1500      | 385*      | 385*      | 385*      |
| 2.0          | 2.96<br>2.98      | 844       | 385*      | 385*      | 385*      |
| 2.5          | 3.70<br>3.72      | 540       | 385*      | 385*      | 385*      |
| 3.0          | 4.44<br>4.47      | 375       | 385*      | 385*      | 385*      |

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



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## Données générales

|   |  |
|---|--|
| Nom du produit                          | QUADRO UGR16<br>600x600 DALI 4600LM<br>840 |
| Technologie                             | LED  |
| Cap/Base                                | N/A  |
| Housing                                 | Steel                                      |
| Montage                                 | Ceiling recessed<br>mounting, Suspended    |
| General application                     | Education, Office                          |
| Operating temperature range (°C)        | -10°C...+50°C                              |
| Performance ambient temperature Tq (°C) | 25   |
| ETIM Class                              | EC002892                                   |
| Warranty                                | 5 ans                                      |

## Données optiques

|  |               |
|--|---------------|
| Fixture luminous flux (lm)                                 | 4600          |
| Luminaire efficacy (lm/W)                                  | 128           |
| LOR (%)  | 100           |
| Température de couleur (K)                                 | 4000          |
| Couleur de lumière   | Neutral White |
| IRC (Ra)   | 80            |
| Colour Variation Initial (SDCM)                            | SDCM3         |
| Beam Angle (°)   | 75            |
| Distribution type  | Symmetric     |
| Glare control  | < 16          |
| Photobiological Risk Group                                 | RG1           |
| Maintien du flux à la fin de la durée de vie nominale (lm) | 70            |

## Caractéristiques électriques

|  |                        |
|--|------------------------|
| Consommation électrique totale (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                     |
| Type d'appareillage  | Electronic ballast     |
| No. Of switching cycles before premature failures                | >100000                |
| Dimmable   | Yes                    |
| Dimming method   | DALI                   |
| Minimum dimming level (%)  | 1                      |
| Drive current (mA)   | 155                    |
| Courant d'appel (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                     |

## Durée de vie

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

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## Données physiques

|                             |                         |
|-----------------------------|-------------------------|
| Housing colour              | RAL 9003 - Signal white |
| IP rating                   | IP40/20                 |
| IK rating                   | IK08                    |
| Diffuser material           | None                    |
| Longueur (mm)               | 595                     |
| Largeur (mm)                | 595                     |
| Nominal Product Height (mm) | 18.8                    |
| Poids (kg)                  | 3.362                   |
| Recessed Depth (mm)         | 60                      |

## Emballage

|                                      |                |
|--------------------------------------|----------------|
| Product EAN number                   | 5410288472522  |
| Longueur simple de l'emballage (cm)  | 60.5           |
| Largeur simple de l'emballage (cm)   | 2.8            |
| Packaging single depth (cm)          | 66.7           |
| DUN14 (inner)                        | 15410288472529 |
| Units per outer package              | 1              |
| Packaging outer length / height (cm) | 60.5           |
| Packaging outer width (cm)           | 2.8            |
| Packaging outer depth (cm)           | 66.7           |

## Sécurité

|   |        |
|---|--------|
| Glow Wire Test (°C)                       | 650    |
| Condition de fonctionnement optimal (° C) | -10-50 |