

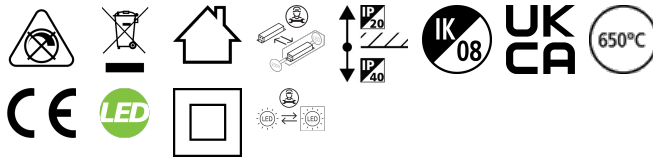
## Quadro UGR16 600x600 Multipower

QUADRO UGR16 600x600 MUL TIPOWER 2250-4650LM 840

0047250

### Product features

- 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: 34W, total fixture output: 4650lm, efficacy: 150 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, non-dimmable 8-step Multipower driver (15W 2250lm, 18W 2650lm, 21W 3150lm, 24W 3500lm, 27W 3950lm, 30W 4250lm, 32W 4500lm, 34W 4650lm), electrical protection: Class II. 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: 3,2Kg.



### PRODUCT OVERVIEW

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Product name                    | QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 |
| Technology                      | LED                                             |
| Housing                         | Steel                                           |
| Mount                           | Ceiling recessed mounting, Suspended            |
| General application             | Education, Office                               |
| E-number FI                     | 4278095                                         |
| Warranty                        | 5 years                                         |
| Fixture luminous flux (lm)      | 4650                                            |
| Luminaire efficacy (lm/W)       | 137                                             |
| LOR (%)                         | 100                                             |
| Colour temperature (K)          | 4000                                            |
| Light colour                    | Neutral White                                   |
| Colour Variation Initial (SDCM) | SDCM3                                           |
| Beam Angle (°)                  | 75                                              |
| Glare control                   | < 16                                            |
| Photobiological Risk Group      | RG1                                             |
| Max load (A)                    | 0.23                                            |
| Total power consumption (W)     | 34                                              |
| Electrical protection           | Class II                                        |
| Control gear type               | Electronic ballast multiwatt                    |
| Dimmable                        | No                                              |
| Dimming method                  | N/A                                             |
| LED Flickering Rate             | Ultra low (5% or less)                          |
| Housing colour                  | RAL 9003 - Signal white                         |
| IP rating                       | IP40/20                                         |
| IK rating                       | IK08                                            |
| Product EAN number              | 5410288472508                                   |

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### DATA TABLE

#### General data

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Product name                            | QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 |
| Technology                              | LED                                             |
| Housing                                 | Steel                                           |
| Mount                                   | Ceiling recessed mounting, Suspended            |
| General application                     | Education, Office                               |
| Operating temperature range (°C)        | -10°C...+50°C                                   |
| Performance ambient temperature Tq (°C) | 25                                              |
| E-number FI                             | 4278095                                         |
| Warranty                                | 5 years                                         |

#### Optical data

|                                              |               |
|----------------------------------------------|---------------|
| Fixture luminous flux (lm)                   | 4650          |
| Luminaire efficacy (lm/W)                    | 137           |
| LOR (%)                                      | 100           |
| Colour temperature (K)                       | 4000          |
| Light colour                                 | Neutral White |
| 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

|                                                                |                              |
|----------------------------------------------------------------|------------------------------|
| Max load (A)                                                   | 0.23                         |
| Total power consumption (W)                                    | 34                           |
| Mains voltage (V)                                              | 220-240V                     |
| Lamp power factor                                              | 0.95                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 25.0                         |
| Electrical protection                                          | Class II                     |
| Control gear required                                          | No                           |
| Control gear type                                              | Electronic ballast multiwatt |
| Transformer required                                           | No                           |
| Dimmable                                                       | No                           |
| Dimming method                                                 | N/A                          |
| Inrush Current (A)                                             | 40                           |
| Glow Wire Test (°C)                                            | 650                          |
| Energy Efficiency Class (A->G) of contained light source       | E                            |
| Nominal Frequency (Hz)                                         | 50/60Hz                      |
| LED Flickering Rate                                            | Ultra low (5% or less)       |
| Max. Luminaires per 10A C Breaker                              | 38                           |
| Max. Luminaires per 13A C Breaker                              | 48                           |
| Max. Luminaires per 10A B Breaker                              | 32                           |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 16A B Breaker | 52 |
| Max. Luminaires per 20A B Breaker | 64 |

### Lifetime data

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

### Physical data

|                             |                         |
|-----------------------------|-------------------------|
| Housing colour              | RAL 9003 - Signal white |
| IP rating                   | IP40/20                 |
| IK rating                   | IK08                    |
| Diffuser material           | None                    |
| Nominal Product Length (mm) | 595                     |
| Nominal Product Width (mm)  | 595                     |
| Weight (kg)                 | 2.818                   |
| Recessed Depth (mm)         | 60                      |

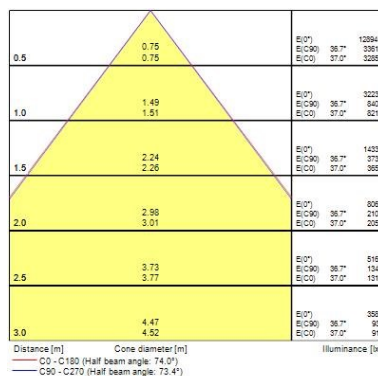
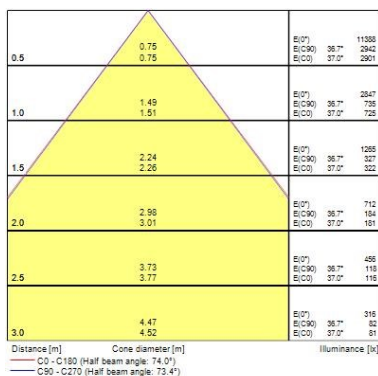
### Packaging

|                                       |               |
|---------------------------------------|---------------|
| Single packaging type                 | Carton        |
| Product EAN number                    | 5410288472508 |
| Packaging single length / height (cm) | 60.6          |
| Packaging single width (cm)           | 2.8           |
| Packaging single depth (cm)           | 65.5          |
| Units per outer package               | 1             |
| Packaging outer width (cm)            | 2.8           |
| Packaging outer depth (cm)            | 65.5          |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -10-50 |
|----------------------------------|--------|

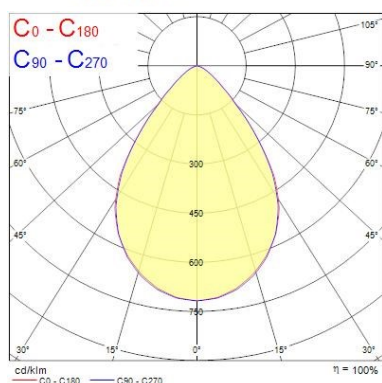
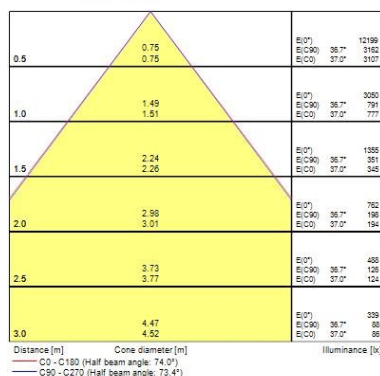
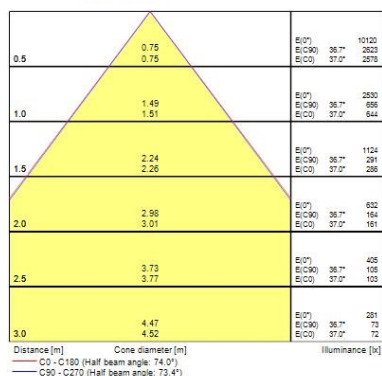
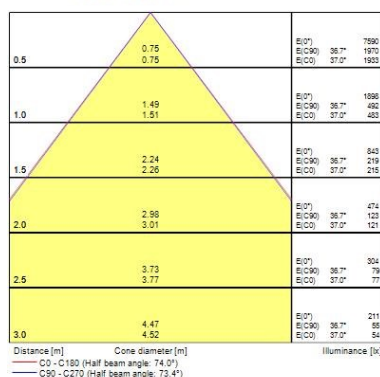
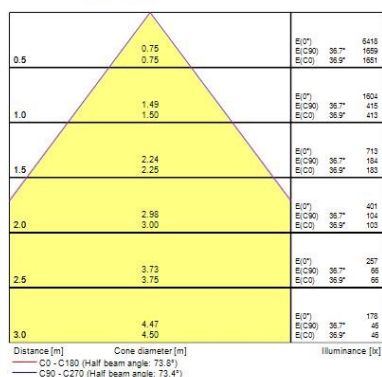
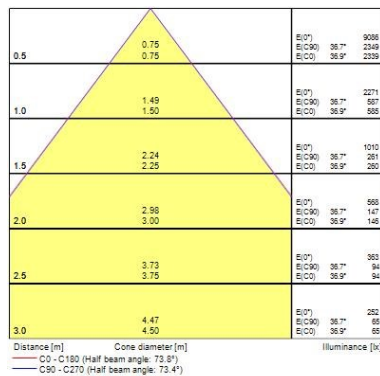
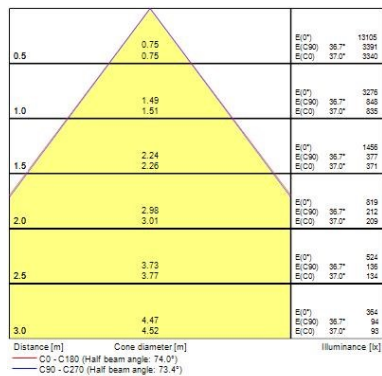
## PHOTOMETRY



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### TECHNICAL DRAWINGS

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