

Quadro UGR16 600x600 Multipower

QUADRO UGR16 600x600 MUL TIPOWER 2050-4500LM 830

0047251



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: 3000K Warm White, total system power: 34W, total fixture output: 4500lm, efficacy: 140 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 2050lm, 18W 2450lm, 21W 2950lm, 24W 3300lm, 27W 3700lm, 30W 4000lm, 32W 4300lm, 34W 4500lm), 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 2050-4500LM 830 |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting, Suspended |
| General application | Education, Office |
| ETIM Class | EC002892 |
| E-number FI | 4278096 |
| Warranty | 5 years |
| Fixture luminous flux (lm) | 4500 |
| Luminaire efficacy (lm/W) | 132 |
| LOR (%) | 100 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 80 |
| 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 | 5410288472515 |

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DATA TABLE

General data

| | |
|---|---|
| Product name | QUADRO UGR16 600x600 MULTIPOWER 2050-4500LM 830 |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting, Suspended |
| General application | Education, Office |
| Operating temperature range (°C) | -10°C...+50°C |
| Performance ambient temperature T _q (°C) | 25 |
| ETIM Class | EC002892 |
| E-number FI | 4278096 |
| Warranty | 5 years |

Optical data

| | |
|--|------------|
| Fixture luminous flux (lm) | 4500 |
| Luminaire efficacy (lm/W) | 132 |
| LOR (%) | 100 |
| Colour temperature (K) | 3000 |
| Light colour | Warm 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

| | |
|--|------------------------------|
| 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 |
| No. Of switching cycles before premature failures | >100000 |
| Transformer required | No |
| Dimmable | No |
| Dimming method | N/A |
| Drive current (mA) | 155 |
| Inrush Current (A) | 40 |
| Inrush Duration (µs) | 150 |

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| | |
|--|------------------------|
| 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 16A C Breaker | 60 |
| Max. Luminaires per 20A C Breaker | 75 |
| Max. Luminaires per 10A B Breaker | 32 |
| Max. Luminaires per 13A B Breaker | 41 |
| 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 finish | Other |
| Diffuser material | None |
| Nominal Product Length (mm) | 595 |
| Nominal Product Width (mm) | 595 |
| Nominal Product Height (mm) | 18.8 |
| Weight (kg) | 3.11 |
| Recessed Depth (mm) | 60 |

Packaging

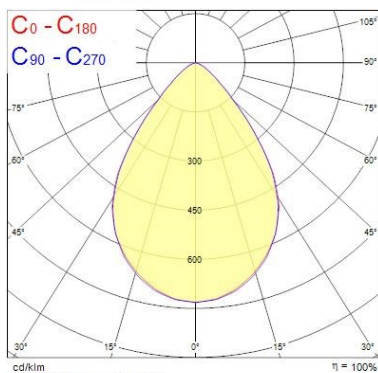
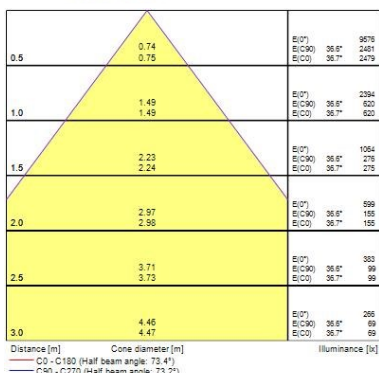
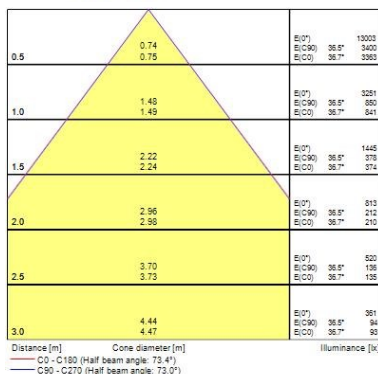
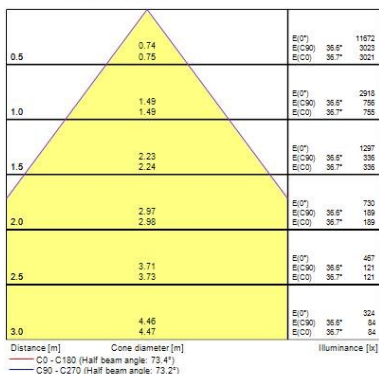
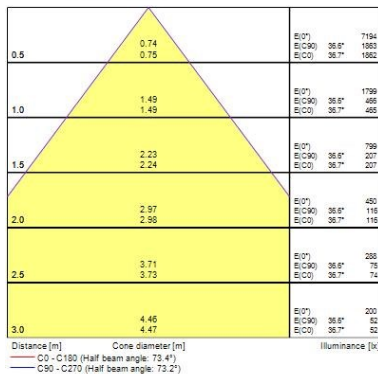
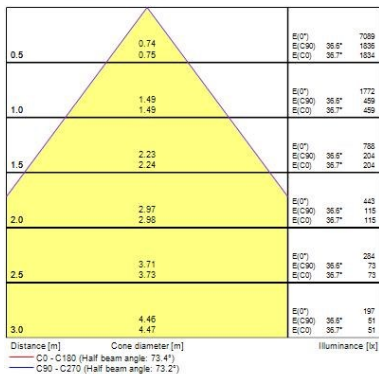
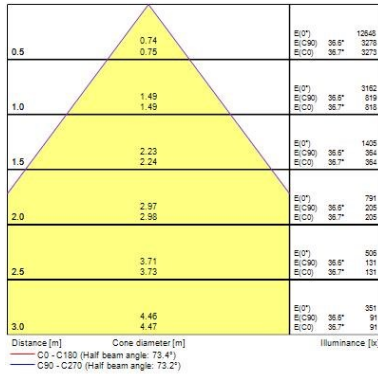
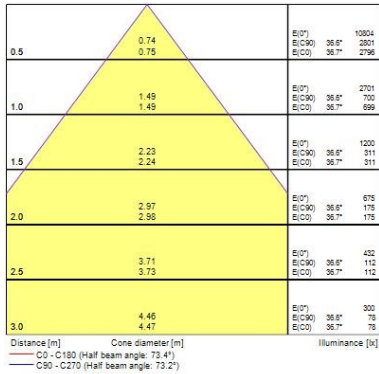
| | |
|---------------------------------------|----------------|
| Single packaging type | Carton |
| Product EAN number | 5410288472515 |
| Packaging single length / height (cm) | 60.6 |
| Packaging single width (cm) | 2.8 |
| Packaging single depth (cm) | 64.5 |
| DUN14 (outer) | 15410288472512 |
| Units per outer package | 1 |
| Packaging outer length / height (cm) | 60.6 |
| Packaging outer width (cm) | 2.8 |
| Packaging outer depth (cm) | 64.5 |

Safety data

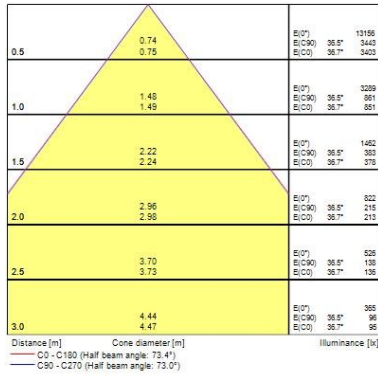
| | |
|----------------------------------|--------|
| Optimal operating condition (°C) | -10-50 |
|----------------------------------|--------|

PHOTOMETRY

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TECHNICAL DRAWINGS

