

## Quadro UGR16 600x600 Multipower

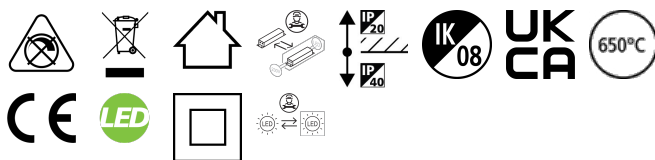
QUADRO UGR16 600x600 MUL TIPOWER 2250-4650LM 840

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
ETIM Class	EC002892
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
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	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
ETIM Class	EC002892
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
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
Glow Wire Test (°C)	650

## Quadro UGR16 600x600 Multipower

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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 material	None
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	18.8
Weight (kg)	2.818
Recessed Depth (mm)	60

### Packaging

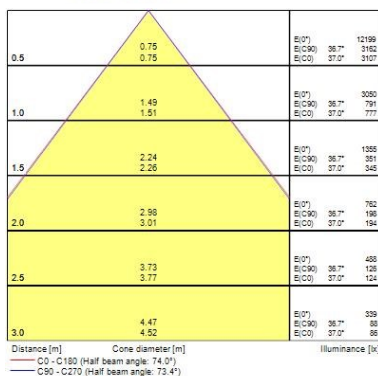
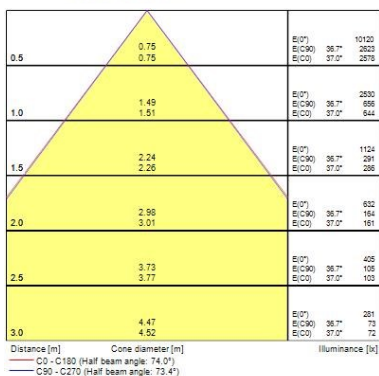
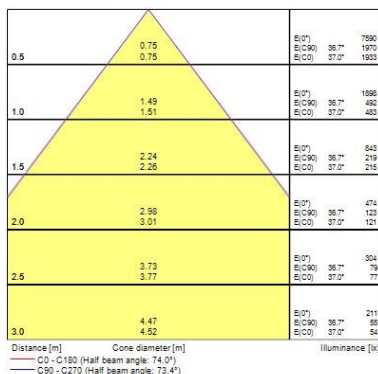
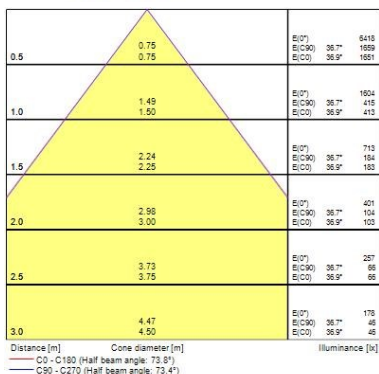
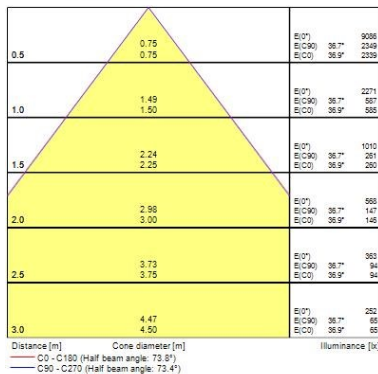
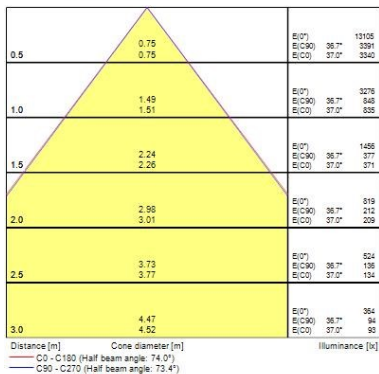
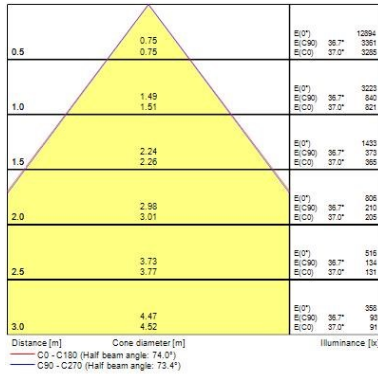
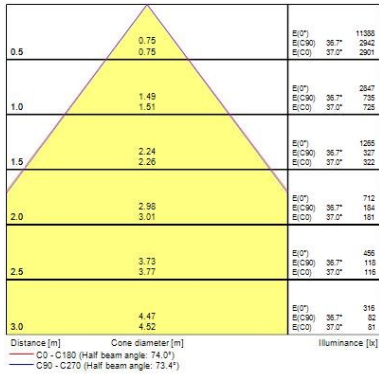
Single packaging type	Carton
Product EAN number	5410288472508
Packaging single length / height (cm)	60.6
Packaging single width (cm)	2.8
Packaging single depth (cm)	65.5
DUN14 (outer)	15410288472505
Units per outer package	1
Packaging outer length / height (cm)	60.6
Packaging outer width (cm)	2.8
Packaging outer depth (cm)	65.5

### Safety data

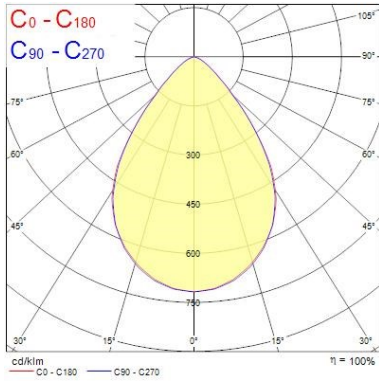
Optimal operating condition (°C)	-10-50
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## PHOTOMETRY

## Quadro UGR16 600x600 Multipower QUADRO UGR16 600x600 MUL TIPOWER 2250-4650LM 840 0047250



## Quadro UGR16 600x600 Multipower QUADRO UGR16 600x600 MUL TIPOWER 2250-4650LM 840 0047250



### TECHNICAL DRAWINGS

