

### 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.

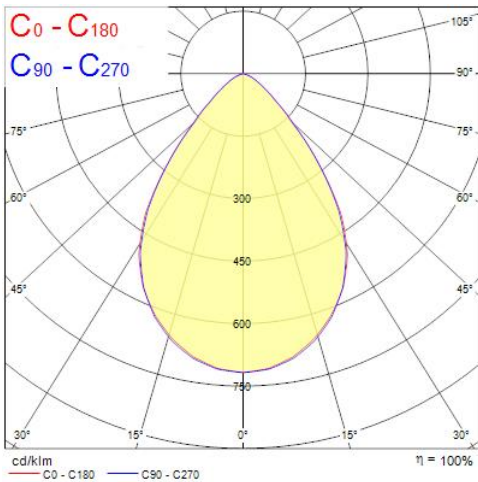
### Product Overview

<b>Product name</b>	QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840
<b>Technology</b>	LED
<b>Housing</b>	Steel
<b>Max load (A)</b>	0.23
<b>Mount</b>	Ceiling recessed mounting, Suspended
<b>General application</b>	Education, Office
<b>ETIM Class</b>	EC002892
<b>E-number FI</b>	4278095
<b>Fixture luminous flux (lm)</b>	4650

## QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 0047250

Luminaire efficacy (lm/W)	137
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	75
Glare control	< 16
Photobiological Risk Group	RG1
Total power consumption (W)	34
Electrical protection	Class II
Control gear type	Electronic ballast multiwatt
Dimmable	No
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
Warranty	5 years
Dimming method	N/A

### Photometry



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.75 0.75	13105	36.7° 3391	37.0° 3340
1.0	1.49 1.51	3276	36.7° 849	37.0° 835
1.5	2.24 2.26	1455	36.7° 377	37.0° 371
2.0	2.98 3.01	819	36.7° 212	37.0° 209
2.5	3.73 3.77	524	36.7° 136	37.0° 134
3.0	4.47 4.52	364	36.7° 94	37.0° 93

Distance [m]    Cone diameter [m]    Illuminance [lx]

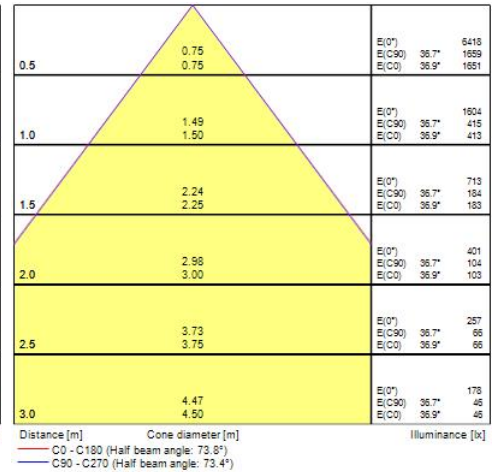
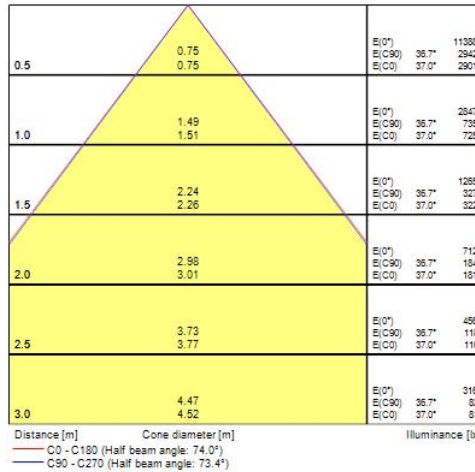
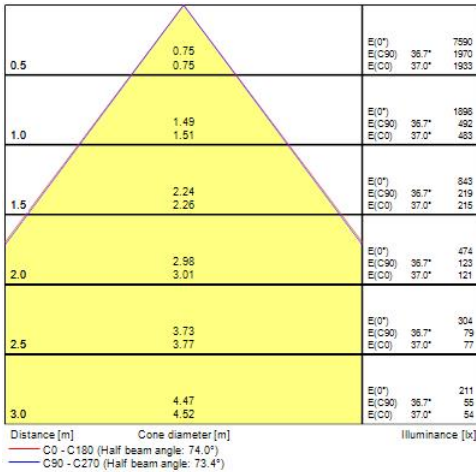
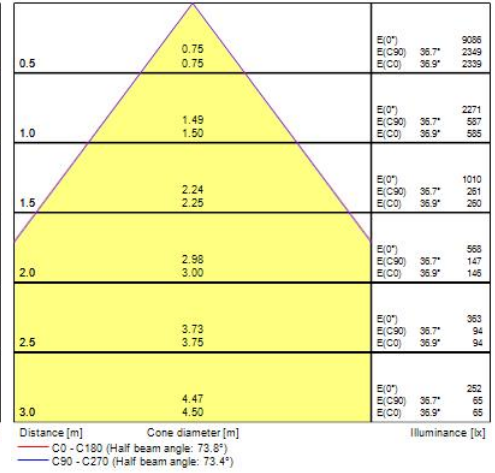
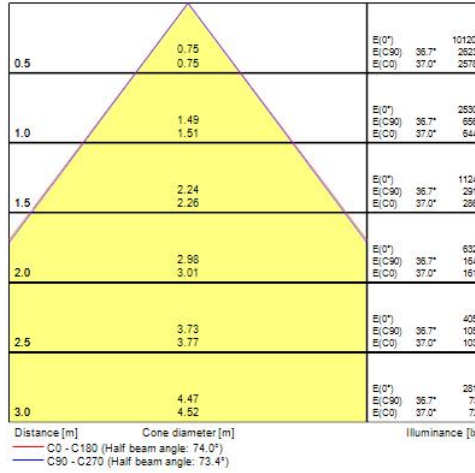
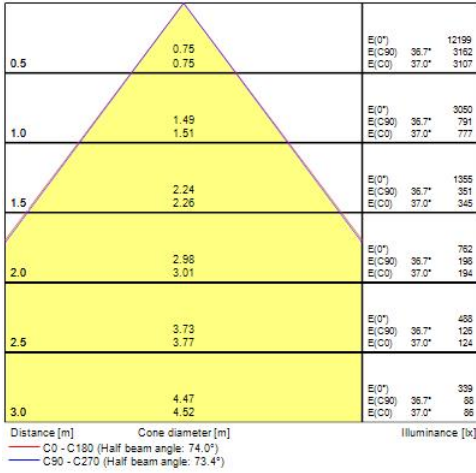
— C0 - C180 (Half beam angle: 74.0°)  
 — C90 - C270 (Half beam angle: 73.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.75 0.75	12894	36.7° 3361	37.0° 3285
1.0	1.49 1.51	3223	36.7° 840	37.0° 821
1.5	2.24 2.26	1433	36.7° 373	37.0° 365
2.0	2.98 3.01	806	36.7° 210	37.0° 205
2.5	3.73 3.77	515	36.7° 134	37.0° 131
3.0	4.47 4.52	358	36.7° 93	37.0° 91

Distance [m]    Cone diameter [m]    Illuminance [lx]

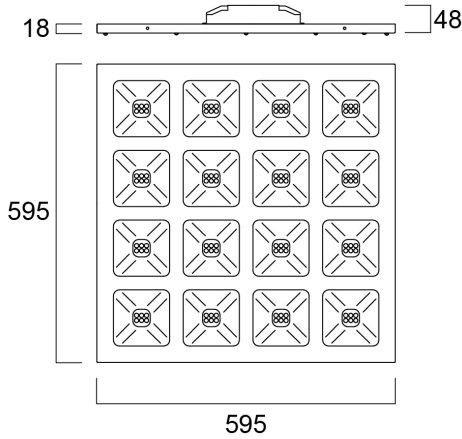
— C0 - C180 (Half beam angle: 74.0°)  
 — C90 - C270 (Half beam angle: 73.4°)

## QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 0047250



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### Technical drawings



### Data table

#### GENERAL DATA

<b>Product name</b>	QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840
<b>Technology</b>	LED
<b>Housing</b>	Steel
<b>Mount</b>	Ceiling recessed mounting, Suspended
<b>General application</b>	Education, Office
<b>Operating temperature range (°C)</b>	-10°C...+50°C
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC002892
<b>E-number FI</b>	4278095
<b>Warranty</b>	5 years

#### OPTICAL DATA

<b>Fixture luminous flux (lm)</b>	4650
<b>Luminaire efficacy (lm/W)</b>	137

## QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 0047250

LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
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
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)

## QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 0047250

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

## QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 0047250

Packaging outer depth (cm)	65.5
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### SAFETY DATA

Optimal operating condition (°C)	-10-50
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Special purpose lamp	No
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Dry applications use only	No
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Suitable for household illumination	No
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