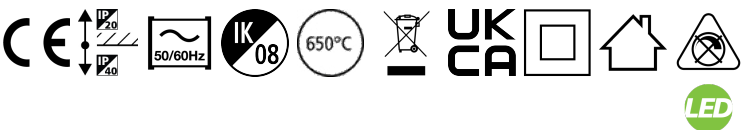


QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840
0047250



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.

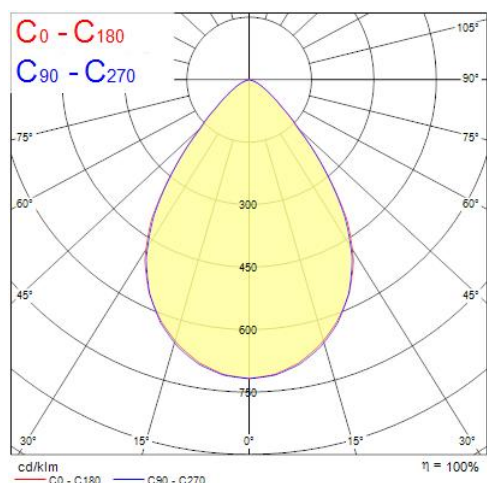
Product Overview

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

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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



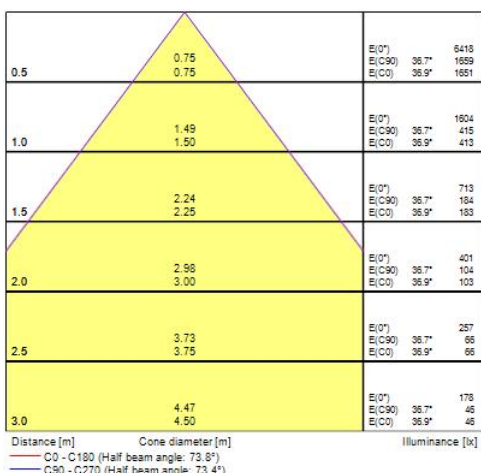
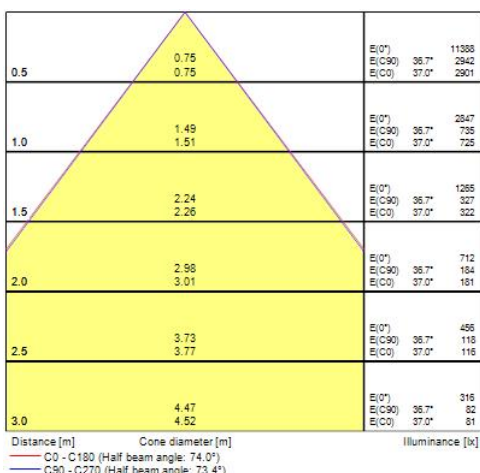
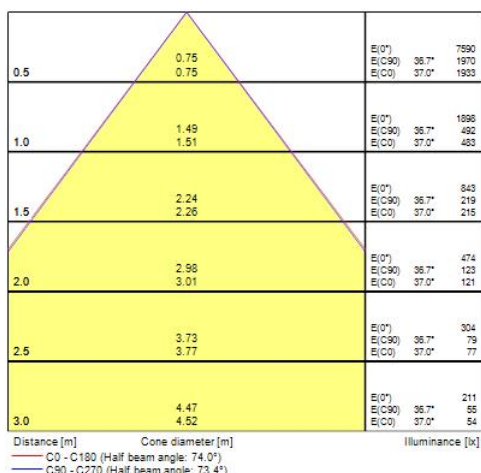
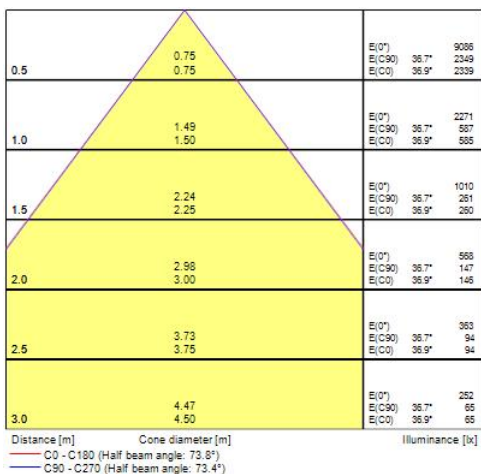
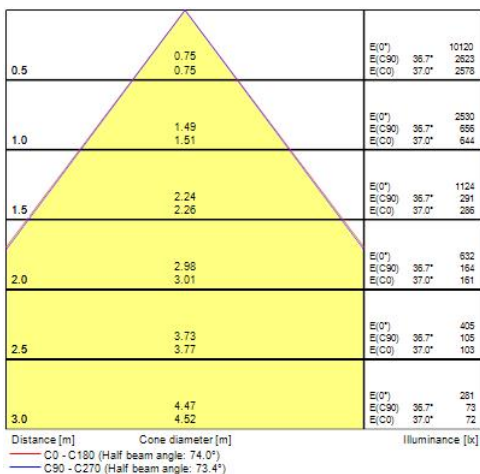
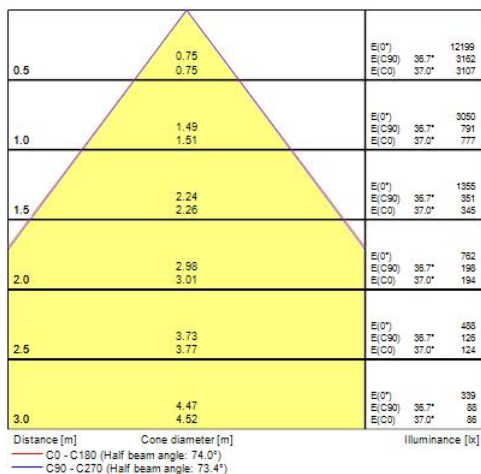
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.75	13105	36.7°	3391
1.0	1.49	3276	36.7°	843
1.5	2.24	1455	36.7°	377
2.0	2.98	819	36.7°	212
2.5	3.73	524	36.7°	136
3.0	4.47	364	36.7°	94
3.0	4.52	93	37.0°	134

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	12894	36.7°	3351
1.0	1.49	3223	36.7°	840
1.5	2.24	1433	36.7°	373
2.0	2.98	806	36.7°	210
2.5	3.73	516	36.7°	134
3.0	4.47	358	36.7°	91
3.0	4.52	91	37.0°	131

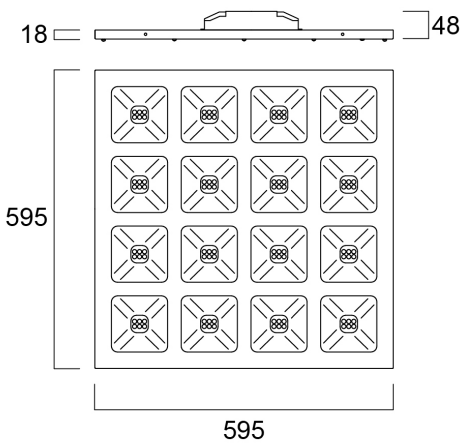
Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 74.0°)
 — C90 - C270 (Half beam angle: 73.4°)

QUADRO UGR16 600x600 MULTIPOWER 2250-4650LM 840 0047250



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Technical drawings



Data table

GENERAL DATA

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

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)

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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
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Packaging outer depth (cm)	65.5
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SAFETY DATA

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