

## Quadro UGR16 600x600 Multipower

Quadro UGR16 600x600 Multipower 2250-4650Lm 840  
0047250



### Product features

- Quadro is a unique range of recessed architectural panels with low glare of UGR<16 (with low lumen outputs even UGR<12). With the help of DIP Switch multiple lumen outputs can be set up in 8 steps (15W 2250lm UGR 11.3, 18W 2650lm UGR 11.9, 21W 3150lm UGR 12.5, 24W 3500lm UGR 12.9, 27W 3950lm UGR 13.3, 30W 4250lm UGR 13.5, 32W 4500lm UGR 13.7, 34W 4650lm UGR 13.8). Max. drive current: 155 mA; Max. power: 34W; Average life: 50.000Hrs; 4000K; CRI 80; Efficacy up to: 150Lm/W; Fixture lumen up to: 4650lm; IK08; IP40 (from the front); Class II; Loop in-Loop out facility with push fit terminal block for quick wiring



### PRODUCT OVERVIEW

IPC Code	0047250
Product name	Quadro UGR16 600x600 Multipower 2250-4650Lm 840
Technology	LED
Housing	Steel
Mount	Ceiling recessed mounting, Suspended
General application	Office
Certifications	EUNEW008
ETIM Class	EC002892
Fixture luminous flux (lm)	4650
Luminaire efficacy (lm/W)	137
LOR (%)	100
Colour temperature (K)	4000
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Colour Consistency (SDCM)	5
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)
Average life (Nominal) (h)	50000
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK08
Product EAN number	5410288472508
Max load (A)	0.23
Lamps	Yes

### DATA TABLE

## Quadro UGR16 600x600 Multipower

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### General data

IPC Code	0047250
Product name	Quadro UGR16 600x600 Multipower 2250-4650Lm 840
Technology	LED
Housing	Steel
Mount	Ceiling recessed mounting,Suspended
General application	Office
Operating temperature range (°C)	-10°C - 50°C
Certifications	EUNEW008
ETIM Class	EC002892

### Optical data

Fixture luminous flux (lm)	4650
Luminaire efficacy (lm/W)	137
LOR (%)	100
Colour temperature (K)	4000
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Colour Consistency (SDCM)	5
Beam Angle (°)	75
Distribution type	Symmetric
Glare control	< 16
Photobiological Risk Group	RG1
Lumen maintenance at end of nominal life (%)	70

### Electrical data

Total power consumption (W)	34
Starting time (max) (s)	<0.5
Mains voltage (V)	220-240V~
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	12.0
Mains frequency (Hz)	50/60Hz
Electrical protection	Class II
Control gear required	No
Control gear type	Electronic ballast multiwatt
No. Of switching cycles before premature failures	100000
Dimmable	No
Drive current (mA)	155
Inrush Current (A)	40
Inrush Duration (µs)	150
Glow Wire Test (°C)	650
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)

### Lifetime data

Lumen maintenance - L70 B50	50000
Lumen maintenance - L80 B50	35000

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Lumen maintenance - L90 B50	17000
Average life (Nominal) (h)	50000
Average life (Rated) (h)	50000

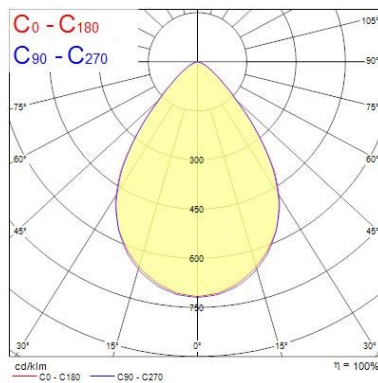
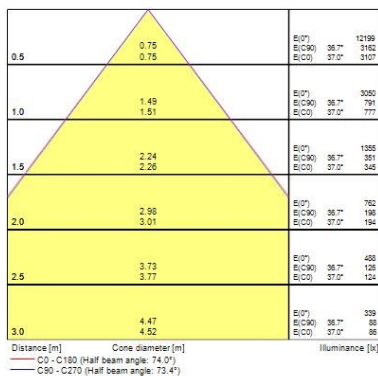
### Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
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)	2.54
Maximum Surface Load (Kg)	4
Recessed Depth (mm)	60

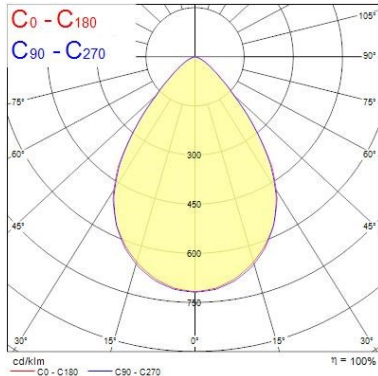
### Packaging

Single packaging type	Carton
Product EAN number	5410288472508
Packaging single length / height (cm)	60.0
Packaging single width (cm)	2.8
Packaging single depth (cm)	64.0
DUN14 (outer)	15410288472505
Units per outer package	50
Packaging outer length / height (cm)	129.7
Packaging outer width (cm)	76.7
Packaging outer depth (cm)	62.0

## PHOTOMETRY



## Quadro UGR16 600x600 Multipower *Quadro UGR16 600x600 Multipower 2250-4650Lm 840* 0047250

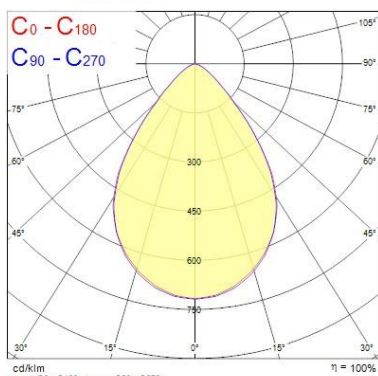
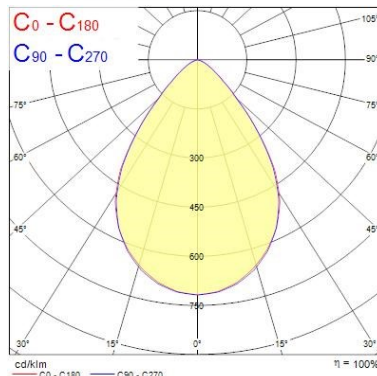


Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Iluminance [lx]
0.5	0.75	1590	36.7°	1933	1933
1.0	1.49	1998	36.7°	492	492
1.5	2.24	845	36.7°	219	219
2.0	2.98	474	36.7°	121	121
2.5	3.73	304	36.7°	79	79
3.0	4.47	211	36.7°	54	54

Distance [m] Cone diameter [m] Iluminance [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)	Iluminance [lx]
0.5	0.75	11398	36.7°	2901	2901
1.0	1.49	2847	36.7°	726	726
1.5	2.24	1268	36.7°	327	327
2.0	2.98	712	36.7°	184	184
2.5	3.73	496	36.7°	116	116
3.0	4.47	316	36.7°	81	81

Distance [m] Cone diameter [m] Iluminance [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)	Iluminance [lx]
0.5	0.75	6418	36.9°	1651	1651
1.0	1.49	1604	36.7°	413	413
1.5	2.24	719	36.7°	183	183
2.0	2.98	401	36.7°	103	103
2.5	3.73	257	36.7°	66	66
3.0	4.47	176	36.7°	46	46

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

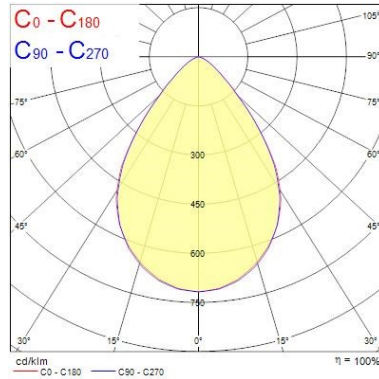
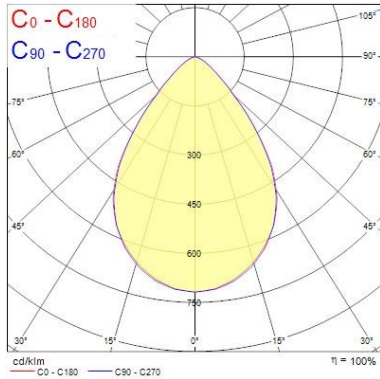
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Iluminance [lx]
0.5	0.75	9088	36.7°	2339	2339
1.0	1.49	2271	36.7°	585	585
1.5	2.24	1010	36.7°	281	281
2.0	2.98	588	36.7°	147	147
2.5	3.73	363	36.7°	94	94
3.0	4.47	252	36.7°	66	66

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

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Iluminance [lx]
0.5	0.75	12934	36.7°	3285	3285
1.0	1.49	3223	36.7°	821	821
1.5	2.24	1433	36.7°	373	373
2.0	2.98	806	36.7°	205	205
2.5	3.73	516	36.7°	134	134
3.0	4.47	369	36.7°	91	91

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

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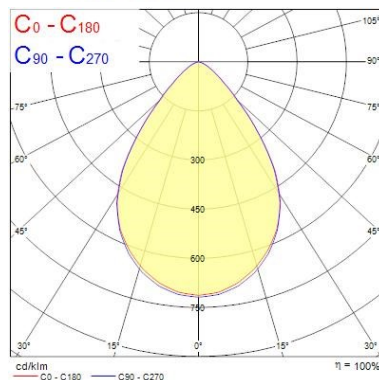
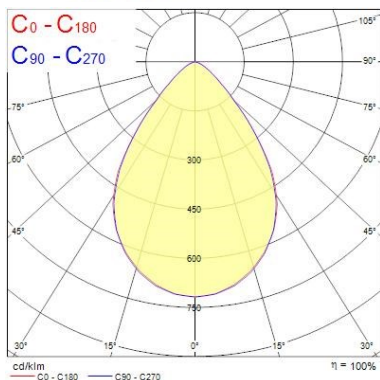


Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	13105 3276 3391
0.5	0.75 0.75	36.7° 37.0° 37.0°	2623 2578
1.0	1.49 1.51	36.7° 37.0° 37.0°	656 644
1.5	2.24 2.26	36.7° 37.0° 37.0°	291 288
2.0	2.98 3.01	36.7° 37.0° 37.0°	184 181
2.5	3.73 3.77	36.7° 37.0° 37.0°	105 103
3.0	4.47 4.52	36.7° 37.0° 37.0°	72 71

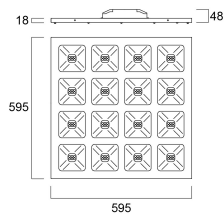
Distance [m]    Cone diameter [m]    Illuminance [lx]  
 — C0 - C180 (Half beam angle: 74.0°)  
 — C90 - C270 (Half beam angle: 73.4°)

Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	13105 3276 3391
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2.0	2.98 3.01	36.7° 37.0° 37.0°	184 181
2.5	3.73 3.77	36.7° 37.0° 37.0°	105 103
3.0	4.47 4.52	36.7° 37.0° 37.0°	72 71

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





### TECHNICAL DRAWINGS




## Quadro UGR16 600x600 Multipower *Quadro UGR16 600x600 Multipower 2250-4650Lm 840* 0047250


**SYLVANIA** 0047250


 This luminaire contains built-in LED lamps

 } LED


The lamps cannot be changed in the luminaire.

874/2012 

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**SYLVANIA** 0047250 

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