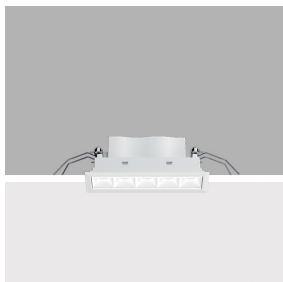


Last information update: May 2018



Recessed Frame luminaire - 5 cells - General Lighting Pro

Product code

Q946

Technical description

Rectangular recessed miniaturised luminaire with 5 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with electronic power supply connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 96.

Dimension (mm)

100x28x50

Colour

White (01)

Weight (Kg)

0,35

Mounting

wall recessed|ceiling recessed

Wiring

On power supply; terminal block with screw connection included.

Complies with EN60598-1 and pertinent regulations



Product configuration: Q946

Product characteristics

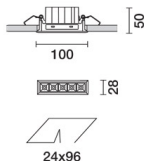
Total lighting output [Lm]: 511
 Total power [W]: 12.4
 Luminous efficacy [Lm/W]: 41.2
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

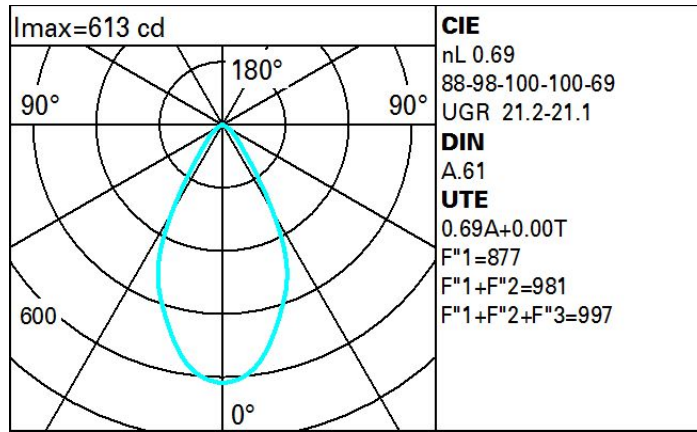
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 69
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 9.8
 Nominal luminous [Lm]: 740
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 2.6
 Colour temperature [K]: 2700
 CRI: 90
 Wavelength [Nm]: /
 MacAdam Step: 3



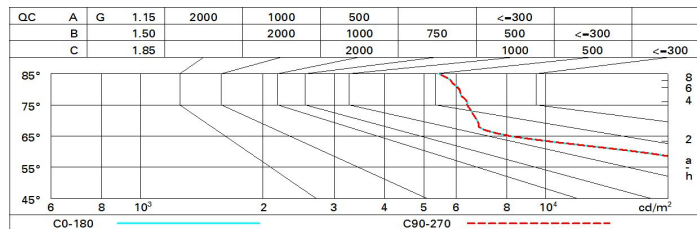
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 740 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	21.2	21.9	21.5	22.1	22.3	21.2	21.9	21.5	22.1	22.3
	3H	21.2	21.8	21.5	22.0	22.3	21.2	21.8	21.5	22.1	22.4
	4H	21.2	21.7	21.5	22.0	22.3	21.2	21.7	21.5	22.0	22.3
	6H	21.2	21.7	21.5	22.0	22.3	21.1	21.6	21.5	21.9	22.2
	8H	21.2	21.6	21.5	22.0	22.3	21.1	21.6	21.4	21.9	22.2
	12H	21.1	21.6	21.5	21.9	22.3	21.0	21.5	21.4	21.8	22.2
4H	2H	21.2	21.7	21.5	22.0	22.3	21.2	21.7	21.5	22.0	22.3
	3H	21.2	21.6	21.6	22.0	22.3	21.2	21.7	21.6	22.0	22.4
	4H	21.2	21.6	21.6	21.9	22.3	21.2	21.6	21.6	21.9	22.3
	6H	21.2	21.5	21.6	21.9	22.4	21.1	21.5	21.6	21.9	22.3
	8H	21.2	21.5	21.6	21.9	22.4	21.1	21.4	21.5	21.8	22.3
	12H	21.2	21.5	21.6	21.9	22.4	21.1	21.4	21.5	21.8	22.2
8H	4H	21.1	21.4	21.5	21.8	22.3	21.2	21.5	21.6	21.9	22.4
	6H	21.1	21.4	21.6	21.9	22.3	21.2	21.4	21.6	21.9	22.4
	8H	21.2	21.4	21.6	21.8	22.3	21.2	21.4	21.6	21.8	22.3
	12H	21.2	21.4	21.7	21.8	22.4	21.1	21.3	21.6	21.8	22.3
12H	4H	21.1	21.4	21.5	21.8	22.2	21.2	21.5	21.6	21.9	22.4
	6H	21.1	21.3	21.6	21.8	22.3	21.2	21.4	21.6	21.9	22.4
	8H	21.1	21.3	21.6	21.8	22.3	21.2	21.4	21.7	21.8	22.4
Variations with the observer position at spacing:											
S =	1.0H	2.4 / -2.2		2.4 / -2.2				2.4 / -2.2			
	1.5H	4.5 / -4.7		4.5 / -4.7				4.5 / -4.7			
	2.0H	6.3 / -6.0		6.3 / -6.0				6.3 / -6.0			