Design iGuzzini

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Last information update: October 2024

Product configuration: QR13

QR13: 10 - cell Frameless Recessed luminaire - LED - Neutral white Flood optic



265

33x270

Product code

QR13: 10 - cell Frameless Recessed luminaire - LED - Neutral white Flood optic

Technical description

rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface; minimal (frameless) version for mounting flush with the ceiling. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare . Neutral white LED.

Installation

recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (12.5 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic finishing. Preparation hole 35 x 271

Colour

White (01) | Black (04)

Mounting

wall recessed|ceiling recessed





IP23



Complies with EN60598-1 and pertinent regulations

On the visible part of the product once installed

Technical data	·	·			
Im system:	1597	CRI (typical):	97		
W system:	21	Colour temperature [K]:	3500		
Im source:	2000	MacAdam Step:	3		
W source:	21	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)		
Luminous efficiency (lm/W,	76.1	Lamp code:	LED		
real value):		Number of lamps for optical	1		
Im in emergency mode:	-	assembly:			
Total light flux at or above	0	ZVEI Code:	LED		
an angle of 90° [Lm]:		Number of optical	1		
Light Output Ratio (L.O.R.)	80	assemblies:			
[%]:		LED current [mA]:	700		
Beam angle [°]:	31°				
CRI (minimum):	95				

Polar

Imax=5482 cd CIE	Lux			
90° 180° 90° 100-100-100-100-80	h	d	Em	Emax
DIN A.61	2	1.1	1054	1371
0.80A+0.00T F*1=1000	4	2.3	263	343
6000 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE	6	3.4	117	152
0° LG3 L<1500 cd/m² at 6 UGR<10 L<1500 cd/m	5° q @65° 8	4.6	66	86

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	69	66	64	68	66	65	63	78
1.0	75	72	70	68	71	69	69	66	83
1.5	79	77	75	73	76	74	73	71	89
2.0	81	80	78	77	79	77	76	74	93
2.5	83	82	81	80	80	79	79	77	96
3.0	84	83	82	81	82	81	80	78	98
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	85	84	84	83	82	80	100

Corre	ected UC	R value:	s (at 200	0 Im bar	e lamp lu	eu oni mu	flux)				
Rifle	ct.:										
ceil/cav walls work pl. Room dim		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30 0.20	0.50 0.20	0.30	0.30	0.50 0.20	0.30	0.50 0.20	0.30	0.30
		0.20						0.20		0.20	0.20
		viewed						viewed			
X	У		(crosswis	e	endwise					
2H	2H	-3.1	-2.6	-2.9	-2.4	-2.2	-3.1	-2.6	-2.9	-2.4	-2.2
	ЗН	-3.3	-2.8	-3.0	-2.5	-2.3	-3.3	-2.8	-3.0	-2.5	-2.3
	4H	-3.3	-2.9	-3.0	-2.6	-2.3	-3.3	-2.9	-3.0	-2.6	-2.3
	бН	-3.4	-3.0	-3.1	-2.7	-2.4	-3.4	-3.0	-3.1	-2.7	-2.
	HS	-3.5	-3.1	-3.1	-2.8	-2.4	-3.5	-3.1	-3.1	-2.8	-2.
	12H	-3.5	-3.1	-3.1	-2.8	-2.4	-3.5	-3.1	-3.1	-2.8	-2.
4H	2H	-3.3	-2.9	-3.0	-2.6	-2.3	-3.3	-2.9	-3.0	-2.6	-2.3
	ЗН	-3.5	-3.1	-3.1	-2.8	-2.4	-3.5	-3.1	-3.1	-2.8	-2.
	4H	-3.6	-3.3	-3.2	-2.9	-2.5	-3.6	-3.3	-3.2	-2.9	-2.5
	бН	-3.7	-3.4	-3.3	-3.0	-2.6	-3.7	-3.4	-3.3	-3.0	-2.0
	8H	-3.7	-3.5	-3.3	-3.0	-2.6	-3.7	-3.5	-3.3	-3.0	-2.0
	12H	-3.8	-3.5	-3.3	-3.1	-2.7	-3.8	-3.5	-3.3	-3.1	-2.7
нв	4H	-3.7	-3.5	-3.3	-3.0	-2.6	-3.7	-3.5	-3.3	-3.0	-2.6
	6Н	-3.8	-3.6	-3.4	-3.2	-2.7	-3.8	-3.6	-3.4	-3.2	-2.7
	HS	-3.9	-3.7	-3.4	-3.2	-2.7	-3.9	-3.7	-3.4	-3.2	-2.7
	12H	-3.9	-3.8	-3.4	-3.3	-2.8	-3.9	-3.8	-3.4	-3.3	-2.8
12H	4H	-3.8	-3.5	-3.3	-3.1	-2.7	-3.8	-3.5	-3.3	-3.1	-2.7
	бН	-3.9	-3.7	-3.4	-3.2	-2.7	-3.9	-3.7	-3.4	-3.2	-2.7
	HS	-3.9	-3.8	-3.4	-3.3	-2.8	-3.9	-3.8	-3.4	-3.3	-2.8
Varia	tions wi	th the ol	pserverp	noitieo	at spacin	ıg:					
S =	1.0H		6.	8 / -18	.5	6.8 / -18.5					
	1.5H	9.6 / -18.7					9.6 / -18.7				
	2.0H	11.6 / -23.0					11.6 / -23.0				