Design iGuzzini

Last information update: May 2018

Fixed circular recessed luminaire - Ø 96 mm - warm white - wide flood optic - UGR<19

Product code

Q963

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version without rim for mounting flush with ceiling. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI 90 (2700K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α >65° wide flood optic.

Installation

Installation flush with the ceiling is for false ceilings 12.5 mm thick

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Dimension (mm)

Ø104x97

Colour

Aluminium (12)

Weight (Kg)

0.68

Mounting

ceiling recessed

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations

















Product configuration: Q963

Product characteristics

Total lighting output [Lm]: 1072 Total power [W]: 13.9 Luminous efficacy [Lm/W]: 77.1

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.) [%]: 74 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 12 Nominal luminous [Lm]: 1450 Lamp maximum intensity [cd]: / Beam angle [°]: 44°

Number of lamps for optical assembly: 1

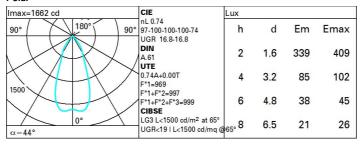
Socket: /

Ballast losses [W]: 1.9 Colour temperature [K]: 2700

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

Polar









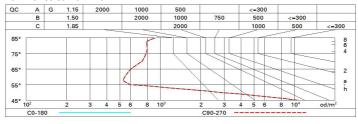




Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	60	58	61	59	59	56	76
1.0	69	66	63	61	65	63	62	60	81
1.5	73	70	68	67	69	67	67	65	87
2.0	75	73	72	70	72	71	70	68	92
2.5	76	75	74	73	74	73	72	70	95
3.0	77	76	76	75	75	74	73	72	97
4.0	78	77	77	76	76	76	75	73	99
5.0	79	78	78	77	77	77	75	74	99

Luminance curve limit



UGR diagram

Rifled	ct.:												
ce il/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30		
walls work pl. Room dim		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30		
												877EEE	viewed
		x	У	crosswise							endwise		
2H	2H	17.3	18.0	17.6	18.2	18.5	17.3	18.0	17.6	18.2	18.5		
	ЗН	17.2	17.8	17.5	18.1	18.4	17.2	17.8	17.5	18.1	18.4		
	4H	17.1	17.7	17.5	18.0	18.3	17.1	17.7	17.5	18.0	18.3		
	бН	17.1	17.6	17.4	17.9	18.2	17.0	17.6	17.4	17.9	18.2		
	8H	17.0	17.5	17.4	17.8	18.2	17.0	17.5	17.4	17.8	18.2		
	12H	17.0	17.5	17.4	17.8	18.2	17.0	17.4	17.4	17.8	18.1		
4H	2H	17.1	17.7	17.5	18.0	18.3	17.1	17.7	17.5	18.0	18.3		
	ЗН	17.0	17.5	17.4	17.8	18.1	17.0	17.5	17.4	17.8	18.2		
	4H	16.9	17.3	17.3	17.7	18.1	16.9	17.3	17.3	17.7	18.1		
	бН	16.8	17.2	17.2	17.6	18.0	16.8	17.2	17.2	17.6	18.0		
	HS	16.8	17.1	17.2	17.5	18.0	16.8	17.1	17.2	17.5	18.0		
	12H	16.7	17.0	17.2	17.5	17.9	16.7	17.0	17.2	17.5	17.9		
вн	4H	16.8	17.1	17.2	17.5	18.0	16.8	17.1	17.2	17.5	18.0		
	6H	16.7	17.0	17.2	17.4	17.9	16.7	17.0	17.2	17.4	17.9		
	HS	16.6	16.9	17.1	17.3	17.8	16.6	16.9	17.1	17.3	17.8		
	12H	16.6	16.8	17.1	17.3	17.8	16.6	16.8	17.1	17.3	17.8		
12H	4H	16.7	17.0	17.2	17.5	17.9	16.7	17.0	17.2	17.5	17.9		
	бН	16.6	16.9	17.1	17.3	17.8	16.6	16.9	17.1	17.3	17.8		
	H8	16.6	16.8	17.1	17.3	17.8	16.6	16.8	17.1	17.3	17.8		
Varia	tions wi	th the ob	serverp	osition	at spacin	g:							
S =	1.0H	4.5 / -14.0					4.5 / -14.0						
	1.5H	7.3 / -14.3					7.3 / -14.3						
	2.0H	9.3 / -14.3					9.3 / -14.3						