Design iGuzzini

iGuzzini

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ø 136

1 -

ø 125

extractable, adjustable, recessed LED luminaire - electronic control gear included

Product code

Q238

Technical description

Extractable, adjustable, recessed luminaire for warm white LED lamp with high color rendering index. Passive heat dispersion system. Die-cast aluminium main body and frame; stainless steel rotation hinge. Rotation ring with safety cover in a high resistance thermoplastic material. Body adjusted with a manual manoeuvre device: internal 40° - external 65° - rotation on 355° axis. Reflector with high efficiency super-pure aluminium optic - spot beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Electronic control gear supplied and connected to the luminaire.

Installation

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125 mm

Dimension (mm)

Ø136x98

Colour

White (01)

Weight (Kg)

0.85

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations





On the visible part of the product once installed















Product characteristics

Total lighting output [Lm]: 2156 Total power [W]: 28.3

Luminous efficacy [Lm/W]: 76.2 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.) [%]: 77 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 24 Nominal luminous [Lm]: 2800 Lamp maximum intensity [cd]: / Beam angle [°]: 18°

Number of lamps for optical assembly: 1

Socket:

Ballast losses [W]: 4.3 Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

Polar

Imax=6906 cd CIE	Lux			
90° 180° 90° 94-100-10		d	Em	Emax
UGR 21.5 DIN A.61 UTE	-21.5	0.6	1377	1727
0.77A+0.0	0Т 4	1.3	344	432
7500 F"1+F"2=! F"1+F"2=!		1.9	153	192
α=18°	8	2.5	86	108



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	63	61	58	63	60	60	57	74
1.0	71	67	65	63	66	64	64	61	79
1.5	75	72	70	68	71	69	69	66	86
2.0	78	76	74	73	75	73	72	70	91
2.5	79	78	76	75	77	75	75	72	94
3.0	80	79	78	77	78	77	76	74	96
4.0	81	80	80	79	79	79	77	75	98
5.0	82	81	81	80	80	79	78	76	99

Luminance curve limit

C	0-180				_		C90-270 -			
45 6		8	10 ³		2	3 4	5 6	8 10	4	cd/m ²
45°							\vee			
55°										
					\		-			
65°		+		_					_	
75°						7				-
]
35°		1								=
	-		1.00					1000		
	С		1.85			2000		1000	500	<=300
	В		1.50		2000	1000	750	500	<=300	
2C	A	G	1.15	2000	1000	500		<=300		

UGR diagram

	0.000					0.00000							
Rifle	ct.:												
ceil/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						viewed					
х у			(crosswis	е	endwise							
2H	2H	22.3	23.8	22.6	24.1	24.4	22.3	23.8	22.6	24.1	24.		
	ЗН	22.2	23.3	22.5	23.6	23.9	22.2	23.3	22.5	23.6	23.		
	4H	22.1	23.1	22.4	23.4	23.8	22.1	23.1	22.4	23.4	23.		
	бН	21.9	23.1	22.3	23.4	23.8	21.9	23.1	22.3	23.4	23.		
	нв	21.9	23.0	22.3	23.4	23.7	21.9	23.0	22.3	23.4	23.		
	12H	21.8	23.0	22.3	23.3	23.7	21.8	22.9	22.2	23.3	23.		
4H	2H	22.1	23.1	22.4	23.4	23.8	22.1	23.1	22.4	23.4	23.		
	ЗН	21.8	23.0	22.3	23.3	23.7	21.8	23.0	22.3	23.3	23.		
	4H	21.7	22.8	22.2	23.2	23.6	21.7	22.8	22.2	23.2	23.		
	6H	21.6	22.8	22.0	23.2	23.6	21.6	22.8	22.0	23.2	23.		
	HS	21.5	22.8	22.0	23.2	23.7	21.5	22.8	21.9	23.2	23.		
	12H	21.4	22.8	21.9	23.3	23.8	21.3	22.8	21.8	23.2	23.		
вн	4H	21.5	22.8	21.9	23.2	23.7	21.5	22.8	22.0	23.2	23.		
	6H	21.3	22.6	21.8	23.1	23.6	21.3	22.7	21.8	23.1	23.		
	HS	21.3	22.5	21.8	23.0	23.5	21.3	22.5	21.8	23.0	23.		
	12H	21.4	22.3	21.9	22.7	23.3	21.4	22.2	21.9	22.7	23.		
12H	4H	21.3	22.8	21.8	23.2	23.7	21.4	22.8	21.9	23.3	23.		
	бН	21.3	22.5	21.8	23.0	23.5	21.3	22.5	21.8	23.0	23.		
	HS	21.4	22.2	21.9	22.7	23.3	21.4	22.3	21.9	22.7	23.		
Varia	tions wi	th the ot	server p	osition	at spacin	g:							
5 =	1.0H		3.	8 / -10	2	3.8 / -10.2							
	1.5H		6.	5 / -12	2		6.5 / -12.2						
	2.0H		8.	5 / -12	.7	8.5 / -12.7							