Design iGuzzini

iGuzzini

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ø 136

1 -

ø 125

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

Product code

Q237

Technical description

Extractable, adjustable, recessed luminaire for warm white LED lamp. 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 superpure aluminium optic - wideflood 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 configuration: Q237

Product characteristics

Total lighting output [Lm]: 2338 Total power [W]: 25.2

Luminous efficacy [Lm/W]: 92.8 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.) [%]: 78

Lamp code: LED ZVEI Code: LED Nominal power [W]: 21 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: /

Beam angle [°]: 54°

Number of lamps for optical assembly: 1

Socket:

Ballast losses [W]: 4.2 Colour temperature [K]: 3000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

Polar

Imax=3107 cd CIE	0400	Lux			
	0-100-100-78	h	d	Em	Emax
DIN A.61	19.9-19.9	2	2	600	773
F"1=0	+0.00T 65	4	4.1	150	193
	"2=997 "2+F"3=1000	6	6.1	67	86
α=54°		8	8.2	38	48

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit

QC	Α	G	1.15	2	000		1	000		500			<=300			
	В		1.50				2	000		1000	750		500		<=300	
	C		1.85							2000			1000		500	<=30
85°						T	T	-			1	$\overline{1}$				
75°										1	4			_	_	
65°				+												
55°							+						-			
45° 10	2		2	3	4	5	6	8	10 ³	-	2 3	4	5 6	8	104	cd/m²
(20-18	0					_				C90-270					

UGR diagram

Rifle		0.70	0.70	0.50	0.50	0.20	0.70	0.70	0.50	0.50	0.20	
ceil/cav walls work pl.		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Room dim				viewed			viewed					
X	У			eiweeor	е				endwise			
2H	2H	20.5	21.1	20.8	21.3	21.6	20.5	21.1	20.8	21.3	21.6	
	ЗН	20.3	20.9	20.7	21.2	21.5	20.3	20.9	20.7	21.2	21.5	
	4H	20.3	20.8	20.6	21.1	21.4	20.3	20.8	20.6	21.1	21.4	
	бН	20.2	20.7	20.5	21.0	21.3	20.2	20.7	20.5	21.0	21.3	
	HS	20.2	20.6	20.5	20.9	21.3	20.2	20.6	20.5	20.9	21.3	
	12H	20.1	20.6	20.5	20.9	21.3	20.1	20.6	20.5	20.9	21.3	
4H	2H	20.3	20.8	20.6	21.1	21.4	20.3	20.8	20.6	21.1	21.4	
	ЗН	20.1	20.6	20.5	20.9	21.3	20.1	20.6	20.5	20.9	21.3	
	4H	20.0	20.4	20.4	8.02	21.2	20.0	20.4	20.4	8.02	21.2	
	бН	20.0	20.3	20.4	20.7	21.1	20.0	20.3	20.4	20.7	21.	
	HS	19.9	20.2	20.4	20.6	21.1	19.9	20.2	20.4	20.6	21.	
	12H	19.9	20.1	20.3	20.6	21.0	19.9	20.1	20.3	20.6	21.0	
вн	4H	19.9	20.2	20.4	20.6	21.1	19.9	20.2	20.4	20.6	21.1	
	бН	19.8	20.1	20.3	20.5	21.0	19.8	20.1	20.3	20.5	21.0	
	нв	19.8	20.0	20.3	20.5	21.0	19.8	20.0	20.3	20.5	21.0	
	12H	19.7	19.9	20.2	20.4	20.9	19.7	19.9	20.2	20.4	20.9	
12H	4H	19.9	20.1	20.3	20.6	21.0	19.9	20.1	20.3	20.6	21.0	
	бН	19.8	20.0	20.3	20.5	21.0	19.8	20.0	20.3	20.5	21.0	
	HS	19.7	19.9	20.2	20.4	20.9	19.7	19.9	20.2	20.4	20.9	
Varia	tions wi	th the ot	server p	osition	at spacin	g:						
S =	1.0H		5.	1 / -13	.5	5.1 / -13.5						
	1.5H		7.	9 / -14	.7	7.9 / -14.7						
	2.0H		9.	9 / -15	.9		9.9 / -15.9					