Design iGuzzini

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Last information update: May 2018



recessed adjustable

Product code

Technical description

Round adjustable luminaire designed for housing 3000K Warm White COB LED light sources with high colour rendering and OPTIBEAM reflector made of thermoplastic material. Rim made of white-coated die-cast aluminium, upper barrel made of blackcoated thermoplastic for guaranteeing maximum visual comfort and preventing stray light dispersion, black-coated extruded aluminium heat sink. Flood optic. Adjustable internally around the horizontal axis by 35° and around the vertical axis by 35° and around the vertical axis by 358°. Passive cooling system. Product inclusive of electronic components.

Installation

Recessed installation in false ceilings with 1 mm to 20 mm thickness with steel springs.

Dimension (mm)

Ø136x104

Colour

White (01)

Weight (Kg)

1.3

Mounting

ceiling surface

Wiring

Product inclusive of electronic components.

Complies with EN60598-1 and pertinent regulations

















Product configuration: P447

Product characteristics

Total lighting output [Lm]: 1077

Total power [W]: 21

Luminous efficacy [Lm/W]: 51.3 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.) [%]: 54

Lamp code: LED ZVEI Code: LED

Nominal power [W]: 18 Nominal luminous [Lm]: 2000 Lamp maximum intensity [cd]: / Beam angle [°]: 30°

Number of lamps for optical assembly: 1

Socket: Ballast losses [W]: 3

Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

Polar

Imax=3781 cd	CIE	Lux			
90° 180° 90°	nL 0.54 99-100-100-100-54	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	1.1	736	945
	0.54A+0.00T F"1=993	4	2.1	184	236
4000	F"1+F"2=999 F"1+F"2+F"3=999 CIBSE	6	3.2	82	105
α=30°	LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @	_{65°} 8	4.3	46	59



Ø 125

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	46	44	43	46	44	44	42	78
1.0	51	48	47	46	48	46	46	44	83
1.5	53	51	50	49	51	50	49	48	88
2.0	55	54	53	52	53	52	51	50	93
2.5	56	55	54	54	54	53	53	51	96
3.0	57	56	55	55	55	55	54	53	98
4.0	57	57	56	56	56	56	55	53	99
5.0	58	57	57	57	56	56	55	54	100

Luminance curve limit

QC	Α	G	1.15	20	00	1	000	5	00			<=3	00				
	В		1.50			2	000	10	000	750		50	0		<=300		
	С		1.85					21	000			100	00		500	<	-300
							_			/	_						10 000
85°							_					Ш	Т		П		8 6
75°						_											_ 4
/5					1			1	/ / .		-		-	-	_	-	
65°					1				/ /				\		_	_	2
05												1	1	. T	_		9 4
55°					_	-	_			\rightarrow	_	-	>	\rightarrow		_	a
00								-	_ `		1			7		_	h
45°									-			\setminus					_
1	O ²		2	3	4 5	6	8	10 ³	2	3	4	5	6	8	10 ⁴	cd/r	n²
	C0-180) -				_			C	90-270							

UGR diagram

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 work pl. Room dim		0.50	0.30	30 0.50 0.30 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
		0.000		viewed		viewed					
X	У		(crosswis	е	endwise					
2H	2H	7.5	0.8	7.8	8.3	8.5	7.5	8.0	7.8	8.3	8.5
	ЗН	7.4	7.9	7.7	8.1	8.4	7.4	7.9	7.7	8.1	8.4
	4H	7.3	7.8	7.7	8.1	8.4	7.3	7.8	7.6	0.8	8.3
	бН	7.3	7.7	7.7	0.8	8.3	7.2	7.6	7.6	0.8	8.8
	нв	7.3	7.7	7.7	0.8	8.4	7.2	7.6	7.6	7.9	8.3
	12H	7.3	7.7	7.7	0.8	8.4	7.2	7.5	7.5	7.9	8.2
4H	2H	7.3	7.8	7.6	0.8	8.3	7.3	7.8	7.7	8.1	8.4
	ЗН	7.2	7.6	7.6	7.9	8.3	7.2	7.6	7.6	7.9	8.3
	4H	7.1	7.5	7.5	7.8	8.2	7.1	7.5	7.5	7.8	8.2
	бН	7.1	7.4	7.5	7.8	8.2	7.1	7.4	7.5	7.8	8.2
	HS	7.1	7.4	7.6	7.8	8.2	7.0	7.3	7.5	7.7	8.2
	12H	7.2	7.4	7.6	7.8	8.3	7.0	7.2	7.4	7.7	8.
вн	4H	7.0	7.3	7.5	7.7	8.2	7.1	7.4	7.6	7.8	8.2
	6H	7.0	7.3	7.5	7.7	8.2	7.1	7.3	7.6	7.8	8.
	HS	7.1	7.3	7.6	7.7	8.2	7.1	7.3	7.6	7.7	8.2
	12H	7.1	7.3	7.6	7.8	8.3	7.1	7.2	7.6	7.7	8.2
12H	4H	7.0	7.2	7.4	7.7	8.1	7.2	7.4	7.6	7.8	8.
	6H	7.0	7.2	7.5	7.7	8.2	7.1	7.3	7.6	7.8	8.3
	HS	7.1	7.2	7.6	7.7	8.2	7.1	7.3	7.6	7.8	8.3
Varia	tions wi	th the ol	oserver p	noitien	at spacir	ng:					
5 =	1.0H		4	.7 / -6	5	4.7 / -6.5					
	1.5H		7	.4 / -6	.9	7.4 / -6.9					
	2.0H		9	.4 / -7	.1			9	.4 / -7.	1	