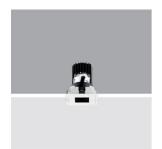
Design iGuzzini

iGuzzini

Last information update: May 2018



fixed recessed WW

Product code

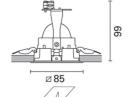
P423

Technical description

Square fixed 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 incorporating a black-coated thermoplastic component for guaranteeing maximum visual comfort and preventing stray light dispersion. Medium optic. Passive cooling system, by means of a black-coated heat sink made of extruded aluminium. The power supply unit is available with a separate code.

Installation

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



75x75

Dimension (mm)

85x85x99

Colour

White (01)

Mounting

ceiling surface

Wiring

Constant-current ballasts available with separate code: ON-OFF / 1-10 V dimmable / phase-cut dimmer / the recessed luminaire is supplied with the cable and connector to be connected to the connector provided on the driver.

Complies with EN60598-1 and pertinent regulations















Product configuration: P423

Product characteristics

Total lighting output [Lm]: 504
Total power [W]: 10
Luminous efficacy [Lm/W]: 50.4

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.) [%]: 42

Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 10
Nominal luminous [Lm]: 1200
Lamp maximum intensity [cd]: /

Lamp maximum intensity
Beam angle [°]: 22°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 0 Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

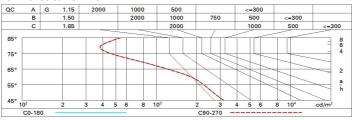
Polar

lmax=3441 cd	CIE	Lux			
90°	nL 0.42 99-100-100-100-42 UGR <10-<10	h	d	Em	Emax
	DIN A.61 UTE	2	0.8	688	860
	0.42A+0.00T F"1=990	4	1.6	172	215
3000	F"1+F"2=998 F"1+F"2+F"3=1000 CIBSE	6	2.3	76	96
α=22°	LG3 L<1500 cd/m ² at 65° UGR<10 L<1500 cd/mq @	_{65°} 8	3.1	43	54

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	38	36	34	33	35	34	34	33	78
1.0	39	38	36	35	37	36	36	35	82
1.5	41	40	39	38	40	39	38	37	88
2.0	43	42	41	40	41	41	40	39	93
2.5	44	43	42	42	42	42	41	40	95
3.0	44	44	43	43	43	43	42	41	97
4.0	45	44	44	44	44	43	43	42	99
5.0	45	45	44	44	44	44	43	42	100

Luminance curve limit



UGR diagram

Rifled	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 0.20	0.30	0.50 0.20	0.30	0.30 0.20	0.50 0.20	0.30	0.50	0.30	0.30	
								0.20	0.20			
		viewed					viewed					
X	У	crosswise					endwise					
2H	2H	2.2	4.3	2.6	4.6	4.9	2.2	4.3	2.6	4.6	4.9	
	ЗН	2.4	3.9	2.8	4.3	4.6	2.4	3.9	2.8	4.2	4.5	
	4H	2.5	3.6	2.8	3.9	4.3	2.4	3.6	2.8	3.9	4.2	
	бН	2.5	3.3	2.9	3.6	3.9	2.4	3.2	2.8	3.5	3.9	
	HS	2.5	3.3	2.8	3.6	4.0	2.4	3.2	2.8	3.5	3.9	
	12H	2.4	3.3	2.8	3.6	4.0	2.3	3.2	2.7	3.5	3.9	
4H	2H	2.4	3.6	2.8	3.9	4.2	2.5	3.6	2.8	3.9	4.3	
	ЗН	2.7	3.6	3.1	3.9	4.3	2.7	3.6	3.1	3.9	4.3	
	4H	2.7	3.6	3.1	4.0	4.4	2.7	3.6	3.1	4.0	4.4	
	6H	2.4	4.1	2.8	4.5	5.0	2.3	4.1	2.8	4.5	5.0	
	SH	2.3	4.2	2.8	4.7	5.2	2.2	4.1	2.7	4.6	5.1	
	12H	2.2	4.2	2.7	4.7	5.2	2.1	4.1	2.6	4.6	5.1	
вн	4H	2.2	4.1	2.7	4.6	5.1	2.3	4.2	2.8	4.7	5.2	
	6H	2.2	4.0	2.7	4.4	5.0	2.2	4.0	2.8	4.5	5.0	
	8H	2.3	3.8	2.8	4.3	4.8	2.3	3.8	2.8	4.3	4.8	
	12H	2.5	3.5	3.0	4.0	4.5	2.4	3.5	2.9	4.0	4.5	
12H	4H	2.1	4.1	2.6	4.6	5.1	2.2	4.2	2.7	4.7	5.2	
	бН	2.2	3.7	2.8	4.2	4.7	2.3	3.8	2.8	4.3	4.8	
	HS	2.4	3.5	2.9	4.0	4.5	2.5	3.5	3.0	4.0	4.5	
Varia	ations wi	th the ol	bserverp	osition	at spacir	ng:						
S =	1.0H	0.7 / -0.9					0.7 / -0.9					
	1.5H	1.6 / -2.2					1.6 / -2.2					
	2.0H		2	9 / -4	.0			2	9 / -4.	.0		