Design iGuzzini

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Last information update: May 2018



ø 82

fixed recessed WW

Product code

P412

Technical description

Round fixed luminaire designed for housing 2700K 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. Flood 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.

Dimension (mm)

Ø82x99

8

Colour

White (01)

Weight (Kg)

0.38

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: P412

Product characteristics

Total lighting output [Lm]: 539 Total power [W]: 10 Luminous efficacy [Lm/W]: 53.9 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.) [%]: 47 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 10 Nominal luminous [Lm]: 1150

Lamp maximum intensity [cd]: / Wavelength [Nm]: / Beam angle [°]: 28°

Number of lamps for optical assembly: 1

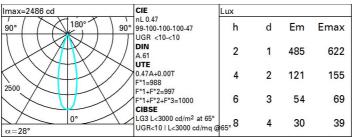
Socket:

Ballast losses [W]: 0 Colour temperature [K]: 2700

CRI: 90

MacAdam Step: 2

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	42	40	38	37	39	38	38	36	78
1.0	44	42	41	39	42	40	40	38	82
1.5	46	45	44	43	44	43	43	41	88
2.0	48	47	46	45	46	45	45	43	92
2.5	49	48	47	46	47	46	46	45	95
3.0	49	49	48	48	48	47	47	46	97
4.0	50	49	49	49	49	48	48	46	99
5.0	50	50	49	49	49	49	48	47	100

Luminance curve limit

C0-18	30					_				C90-27	70						_
45° 10²		2	3	4	5	6	8	10 ³		2	3 4	5	6	8	104	cd/m²	
55°							1				1	1		1			ŀ
65°										1					_		2
									100			-	I	-	-		
75°								`	-	Щ			L		Щ		4
85°		_			T			1		n ($\overline{}$	m	$\overline{\top}$		-	8
С		1.85			\Box		_		2000	,		10	000		500	<=3	00
В		1.50				2	000		1000	75	0	5	00		<=300		
C A	G	1.15	2	000		1	000		500			<-	300				

UGR diagram

	ected UC	0.500.000.000	ROWN BOOK NO		(A. J. C. G. S. S. C.	28477.036450	20/20/20				
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	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
				viewed		viewed					
X	У		(crosswis	е	endwise					
2H	2H	4.7	6.8	5.1	7.2	7.5	4.7	6.8	5.1	7.2	7.5
	ЗН	5.3	7.0	5.7	7.3	7.7	5.0	6.6	5.4	7.0	7.3
	4H	5.5	6.8	5.9	7.2	7.5	5.1	6.4	5.5	6.7	7.
	бН	5.6	6.6	6.0	6.9	7.2	5.1	6.1	5.5	6.4	6.8
	нв	5.6	6.5	6.0	6.9	7.3	5.1	6.0	5.5	6.4	6.7
	12H	5.6	6.5	6.0	6.9	7.2	5.0	6.0	5.4	6.3	6.7
4H	2H	5.1	6.4	5.5	6.7	7.1	5.5	6.8	5.9	7.2	7.5
	ЗН	5.9	8.6	6.3	7.2	7.5	5.9	6.9	6.3	7.2	7.0
	4H	6.0	6.9	6.4	7.3	7.7	6.0	6.9	6.4	7.3	7.7
	бН	5.8	7.5	6.3	7.9	8.4	5.7	7.4	6.2	7.9	8.3
	HS	5.7	7.6	6.2	8.1	8.6	5.6	7.5	6.1	0.8	8.8
	12H	5.7	7.6	6.2	8.1	8.6	5.5	7.5	6.0	0.8	8.8
вн	4H	5.6	7.5	6.1	0.8	8.5	5.7	7.6	6.2	8.1	8.8
	6H	5.7	7.5	6.2	0.8	8.8	5.8	7.6	6.3	8.1	8.8
	HS	5.8	7.4	6.3	7.9	8.5	5.8	7.4	6.3	7.9	8.8
	12H	6.0	7.1	6.5	7.6	8.2	6.0	7.1	6.5	7.6	8.
12H	4H	5.5	7.5	6.0	8.0	8.5	5.7	7.6	6.2	8.1	8.6
	бН	5.7	7.4	6.3	7.8	8.4	5.8	7.4	6.3	7.9	8.8
	HS	6.0	7.1	6.5	7.6	8.1	6.0	7.1	6.5	7.6	8.2
Varia	tions wi	th the ol	oserverp	noitieo	at spacir	ng:					
S =	1.0H		0	.6 / -0	5			0	.6 / -0.	5	
	1.5H		1	.3 / -1.	.3			1	.3 / -1.	.3	
	2.0H		2	2 / -2	.0			2	2 / -2.	.0	