Design iGuzzini

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recessed adjustable

Product code

P459

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. Wide flood optic. Adjustable internally around the horizontal 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) Ø136x124 Colour White (01)

Weight (Kg) 1.3

Mounting

ceiling surface

Wiring

Product inclusive of electronic components.



Product configuration: P459

Product characteristics

Total lighting output [Lm]: 1557 Total power [W]: 29.6 Luminous efficacy [Lm/W]: 52.6 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 52 Lamp code: LED ZVEI Code: LED Nominal power [W]: 26 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: / Beam angle [°]: 38°

Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: -Number of optical assemblies: 1

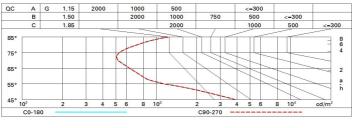
Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 3.6 Colour temperature [K]: 3000 CRI: 90 Wavelength [Nm]: / MacAdam Step: 2

Imax=3982 cd	CIE	Lux			
90° 180°	\ nL 0.52 90° 99-100-100-100-52	h	d	Em	Emax
		2	1.4	790	995
4000	0.52A+0.00T F"1=993	4	2.8	197	249
4000	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	6	4.1	88	111
<u>α=38°</u> 0°	LG3 L<1500 cd/m ² at 65 UGR<10 L<1500 cd/mq	@65° 8	5.5	49	62

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	47	44	43	41	44	42	42	40	78
1.0	49	47	45	44	46	45	45	43	83
1.5	51	50	48	47	49	48	47	46	88
2.0	53	52	51	50	51	50	50	48	93
2.5	54	53	52	52	52	52	51	50	96
3.0	54	54	53	53	53	53	52	51	98
4.0	55	55	54	54	54	54	53	51	99
5.0	55	55	55	55	54	54	53	52	100

Luminance curve limit



UGR diagram

Rifle	ct ·										
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 0.20	0.30 0.20	0.30	0.50 0.20	0.30	0.50	0.30	0.30 0.20
x	У	crosswise				endwise					
2H	2H	10.4	10.9	10.6	11.1	11.4	10.4	10.9	10.6	11.1	11.4
	ЗH	10.2	10.7	10.5	11.0	11.3	10.2	10.7	10.5	11.0	11.3
	4H	10.2	10.6	10.5	10.9	11.2	10.2	10.6	10.5	10.9	11.2
	6H	10.1	10.5	10.4	10.8	11.2	10.1	10.5	10.4	10.8	11.1
	BH	10.1	10.5	10.4	10.8	11.1	10.0	10.5	10.4	10.8	11.
	12H	10.0	10.4	10.4	10.8	11.1	10.0	10.4	10.4	10.7	11.
4H	2H	10.2	10.6	10.5	10.9	11.2	10.2	10.6	10.5	10.9	11.2
	ЗH	10.0	10.4	10.4	10.8	11.1	10.0	10.4	10.4	10.8	11.1
	4H	9.9	10.3	10.3	10.7	11.0	9.9	10.3	10.3	10.7	11.0
	6H	9.9	10.2	10.3	10.6	11.0	9.9	10.2	10.3	10.6	11.0
	8H	9.8	10.1	10.3	10.5	11.0	8.8	10.1	10.2	10.5	10.9
	12H	9.8	10.1	10.3	10.5	11.0	8.9	10.0	10.2	10.4	10.9
вн	4H	9.8	10.1	10.2	10.5	10.9	9.8	10.1	10.3	10.5	11.(
	6H	9.7	10.0	10.2	10.4	10.9	9.8	10.0	10.2	10.4	10.9
	HS	9.7	9.9	10.2	10.4	10.9	9.7	9.9	10.2	10.4	10.9
	12H	9.7	9.9	10.2	10.4	10.9	9.7	9.8	10.2	10.3	10.9
12H	4H	9.8	10.0	10.2	10.4	10.9	9.8	10.1	10.3	10.5	11.(
	6H	9.7	9.9	10.2	10.4	10.9	9.7	9.9	10.2	10.4	10.9
	8H	9.7	9.8	10.2	10.3	10.9	9.7	9.9	10.2	10.4	10.9
Varia	tions wi	th the ot	oserver p	osition	at spacin	ig:					
S =	1.0H	5.4 / -9.8					5.4 / -9.8				
	1.5H	8.2 / -10.5					8.2 / -10.5				