Design iGuzzini

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# recessed adjustable

# Product code

P453

### Technical description

Round adjustable 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, 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.

Complies with EN60598-1 and pertinent regulations

















# Product configuration: P453

# Product characteristics

Total lighting output [Lm]: 1557 Total power [W]: 30.8 Luminous efficacy [Lm/W]: 50.6 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.) [%]: 52

Lamp code: LED ZVEI Code: LED Nominal power [W]: 28 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: / Beam angle [°]: 38° Number of lamps for optical assembly: 1 Socket:

Ballast losses [W]: 2.8 Colour temperature [K]: 2700

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

# Polar

Imax=3982 cd	CIE	Lux			
90° 180° 90°	nL 0.52 99-100-100-100-52	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	1.4	790	995
	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
α=38°	LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @	<sub>65°</sub> 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

QC	Α	G	1.15	2	000		1000	)	500		<-	-300			
	В		1.50				2000	)	1000	750		500	<=3	00	
	С		1.85						2000		1	000	50	0 <=3	300
85°				T	$\overline{}$	T									8
75°				+	+	(			+			4			2
65°					+				$\rightarrow$						2
55°					+			-							i
45° 10	) <sup>2</sup>		2	3	4	5 6	3 1	3 10 <sup>3</sup>		2 3	4 E	6	8 10 <sup>4</sup>	cd/m²	
(	CO-18	0								C90-270				-	

900000				1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Rifle											
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	0.30	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	10.4	10.9	10.6	11.1	11.4	10.4	10.9	10.6	11.1	11.
	ЗН	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	8.01	11.2	10.1	10.5	10.4	10.8	11.
	HS	10.1	10.5	10.4	8.01	11.1	10.0	10.5	10.4	8.01	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.
	ЗН	10.0	10.4	10.4	8.01	11.1	10.0	10.4	10.4	10.8	11.
	4H	9.9	10.3	10.3	10.7	11.0	9.9	10.3	10.3	10.7	11.0
	бН	9.9	10.2	10.3	10.6	11.0	9.9	10.2	10.3	10.6	11.
	HS	9.8	10.1	10.3	10.5	11.0	8.9	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.
нв	4H	9.8	10.1	10.2	10.5	10.9	9.8	10.1	10.3	10.5	11.0
	бН	9.7	10.0	10.2	10.4	10.9	8.8	10.0	10.2	10.4	10.
	нв	9.7	9.9	10.2	10.4	10.9	9.7	9.9	10.2	10.4	10.
	12H	9.7	9.9	10.2	10.4	10.9	9.7	8.8	10.2	10.3	10.
12H	4H	9.8	10.0	10.2	10.4	10.9	9.8	10.1	10.3	10.5	11.
	бН	9.7	9.9	10.2	10.4	10.9	9.7	9.9	10.2	10.4	10.9
	HS	9.7	8.8	10.2	10.3	10.9	9.7	9.9	10.2	10.4	10.
Varia	tions wi	th the ot	oserverp	osition a	at spacin	g:	0.0				
5 =	1.0H			.4 / -9					5.4 / -9.		
	1.5H		8.	2 / -10	.5			8	.2 / -10	.5	
	2.0H		10	.2 / -10	8.0			10	0.2 / -10	8.	