Design iGuzzini

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# recessed adjustable

### Product code

P444

#### 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. Flood optic. Adjustable internally around the horizontal axis by 35° and around the vertical axis by 358°. Passive cooling system. Product inclusive of DALI 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 DALI components.

Complies with EN60598-1 and pertinent regulations











EHC



# Product configuration: P444

### **Product characteristics**

Total lighting output [Lm]: 1077 Total power [W]: 21.8

Luminous efficacy [Lm/W]: 49.4 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.) [%]: 54 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 19 Nominal luminous [Lm]: 2000

Lamp maximum intensity [cd]: / Beam angle [°]: 30°

Number of lamps for optical assembly: 1

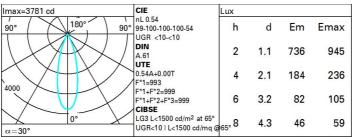
Socket:

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

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

### Polar





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	2000	1000	500		<=300		
	В		1.50		2000	1000	750	500	<=300	
	С		1.85			2000		1000	500	<=300
							_ / _			
85°										8 6
										4
75°				/				_	_	
65°				1		/ '				. 7
65*					\				1	2
55°					1				_	a
55								1   '	1	h
45°										
45 10	)2		2	3 4 5	6 8 1	O <sup>3</sup>	2 3	4 5 6	8 104	cd/m <sup>2</sup>
(	CO-18	0 -			_		C90-270 -			

# UGR diagram

	av	0.70										
walls work		0.70										
work		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	
Roon	work pl. Room dim		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
				viewed		viewed						
х у		crosswise						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	8.8	
	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	
	Н8	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	8.0	8.3	7.3	7.8	7.7	8.1	8.8	
	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.	
нв	4H	7.0	7.3	7.5	7.7	8.2	7.1	7.4	7.6	7.8	8.2	
	бН	7.0	7.3	7.5	7.7	8.2	7.1	7.3	7.6	7.8	8.2	
	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	8.3	
	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	bserver	noitieo	at spacir	ng:						
5 =	1.0H		4	1.7 / -6	5			4	.7 / -6	5		
	1.5H	7.4 / -6.9					7.4 / -6.9					