Design iGuzzini

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### recessed adjustable

#### Product code

#### 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. Medium 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)

Ø136x124

#### Colour

White (01)

## Weight (Kg)

1.3

#### Mounting

ceiling surface

### Wiring

Product inclusive of DALI components.

Complies with EN60598-1 and pertinent regulations















### Product configuration: P461

#### Product characteristics

Total lighting output [Lm]: 1320

Total power [W]: 29

Luminous efficacy [Lm/W]: 45.5 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.) [%]: 44 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 26 Nominal luminous [Lm]: 3000

Lamp maximum intensity [cd]: / Beam angle [°]: 20°

Number of lamps for optical assembly: 1

Socket:

Ballast losses [W]: 3 Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

#### Polar

Imax=7423 cd	CIE	Lux						
90° 180° 90		h	d	Em	Emax			
	UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b>	2	0.7	1463	1856			
	0.44A+0.00T F"1=991	4	1.4	366	464			
7500	F"1+F"2=998 F"1+F"2+F"3=999 CIBSE	6	2.1	163	206			
α=20°	LG3 L<3000 cd/m² at 65° UGR<10   L<3000 cd/mq @	<sub>65°</sub> 8	2.8	91	116			

### Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	40	38	36	35	37	36	36	34	78
1.0	41	40	38	37	39	38	38	36	82
1.5	43	42	41	40	42	41	40	39	88
2.0	45	44	43	42	43	42	42	41	93
2.5	46	45	44	44	44	44	43	42	95
3.0	46	46	45	45	45	45	44	43	98
4.0	47	46	46	46	46	45	45	44	99
5.0	47	47	46	46	46	46	45	44	100

### Luminance curve limit

QC	Α	G	1.15	2	000		1	000		500				<=3	00				
	В		1.50				2	000		1000		750		50	0		<=30	0	
	С		1.85							2000				100	00		500		<=300
						_		_	-		_	/	_	_					
85°							Т				T			Ш			П		8
750								_	_										_ 4
75°							1			//		7	$\overline{}$	Π.	1	_	_	-	
65°							•	\							\	_		-	
05									-	/	.   `			1	+	. 1	_		2
55°										-	1				$\rightarrow$	$\rightarrow$		_	a
55													1			$\rightarrow$		_	- h
45°												1		$\setminus$				_	
45 10	<b>)</b> 2		2	3	4	5	6	8	10 <sup>3</sup>		2	3	4	5	6	8	10 <sup>4</sup>		cd/m <sup>2</sup>
	C0-180	) -					_				C90-	270						_	

# UGR diagram

Corre	ected UC	R value:	s (at 300	0 Im bar	e lamp li	eu oni mu	flux)				
Rifled	ct.:										
ce il/c	av	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl.		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
Roon	n dim	viewed							viewed		
x	У		(	crosswis	е	endwise					
2H	2H	3.5	5.6	3.9	5.9	6.3	3.5	5.6	3.9	5.9	6.3
	ЗН	3.5	5.1	3.9	5.4	5.8	3.4	5.0	3.8	5.4	5.7
	4H	3.5	4.8	3.9	5.2	5.5	3.4	4.7	3.8	5.1	5.4
	6H	3.6	4.6	4.0	5.0	5.3	3.4	4.4	3.8	4.7	5.
	ВН	3.7	4.7	4.1	5.1	5.4	3.3	4.3	3.7	4.7	5.0
	12H	3.9	4.9	4.3	5.2	5.6	3.3	4.3	3.7	4.6	5.0
4H	2H	3.4	4.7	3.8	5.1	5.4	3.5	4.8	3.9	5.2	5.5
	ЗН	3.5	4.5	3.9	4.8	5.2	3.5	4.5	3.9	4.9	5.3
	4H	3.5	4.5	3.9	4.9	5.3	3.5	4.5	3.9	4.9	5.3
	бН	3.4	5.1	3.9	5.5	6.0	3.2	4.9	3.6	5.3	5.8
	8H	3.5	5.4	4.0	5.8	6.3	3.1	5.0	3.6	5.4	5.9
	12H	3.7	5.7	4.2	6.2	6.7	3.0	5.0	3.5	5.4	6.0
вн	4H	3.1	5.0	3.6	5.4	5.9	3.5	5.4	4.0	5.8	6.3
	бН	3.4	5.2	3.9	5.6	6.2	3.6	5.4	4.1	5.9	6.
	HS	3.7	5.3	4.2	5.8	6.3	3.7	5.3	4.2	5.8	6.3
	12H	4.4	5.4	4.9	5.9	6.4	4.0	5.0	4.5	5.5	6.0
12H	4H	3.0	5.0	3.5	5.4	6.0	3.7	5.7	4.2	6.2	6.7
	6H	3.4	5.0	3.9	5.5	6.0	4.0	5.6	4.5	6.1	6.6
	HS	4.0	5.0	4.5	5.5	6.0	4.4	5.4	4.9	5.9	6.4
Varia	tions wi	th the ol	bserverp	noitieo	at spacir	ng:					
S =	1.0H		2	.3 / -2	.0			2	.3 / -2.	.0	
	1.5H		4	.4 / -2	.6	4.4 / -2.6					