Design iGuzzini

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Last information update: October 2023

Product configuration: P454 P454: recessed adjustable

#### Product code

P454: recessed adjustable Attention! Code no longer in production

#### 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 black-coated thermoplastic for guaranteeing maximum visual comfort and preventing stray light dispersion, black-coated extruded aluminium heat sink. Spot optic. Adjustable internally around the horizontal axis by 35° and around the vertical axis by 358°. Passive cooling system. Product inclusive of DALI components.

Control:

#### Installation

Recessed installation in false ceilings with 1 mm to 20 mm thickness with steel springs.

 Colour
 Weight (Kg)

 White (01)
 1.3

# Mounting

ceiling surface

# Wiring

Product inclusive of DALI components.

Complies with EN60598-1 and pertinent regulations











Technical data	
Im system:	1160
W system:	35
Im source:	2900
W source:	31
Luminous efficiency (lm/W, real value):	33.1
Im in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	40
Beam angle [°]:	18°
CRI (minimum):	90
Colour temperature [K]:	2700
MacAdam Step:	3
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)

Ballast losses [W]: Lamp code: LED Number of lamps for optical 1 assembly: LED ZVEI Code: Number of optical assemblies: See installation instructions Power factor: Inrush current: 24 A / 192 μs Maximum number of luminaires of this type per B10A: 8 luminaires miniature circuit breaker: B16A: 14 luminaires C10A: 14 luminaires C16A: 23 luminaires Minimum dimming %: Overvoltage protection: 2kV Common mode & 1kV Differential mode Dimming mode: CCR

DALI

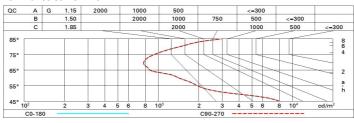
### Polar

Folai					
Imax=6830 cd	CIE	Lux			
90° 180° 90°	nL 0.40 98-100-100-100-40	h	d	Em	Emax
	UGR <10-<10 <b>DIN</b> A.61	2	0.6	1275	1707
	UTE 0.40A+0.00T F"1=985	4	1.3	319	427
7500	F"1+F"2=997 F"1+F"2+F"3=999	6	1.9	142	190
α=18°	LG3 L<3000 cd/m² at 65° UGR<10   L<3000 cd/mq @	<sub>65°</sub> 8	2.5	80	107

# **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	34	33	32	34	32	32	31	77
1.0	37	36	35	34	35	34	34	33	82
1.5	39	38	37	36	38	37	36	35	88
2.0	41	40	39	38	39	38	38	37	92
2.5	41	41	40	40	40	40	39	38	95
3.0	42	41	41	41	41	40	40	39	97
4.0	42	42	42	42	41	41	41	40	99
5.0	43	42	42	42	42	42	41	40	100

# Luminance curve limit



Corre	ected UC	R value:	s (at 290	0 Im bar	e lamp li	eu oni mu	flux)					
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		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
work pl.		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	crosswise					endwise					
2H	2H	6.1	8.2	6.5	8.5	8.8	6.1	8.2	6.5	8.5	8.8	
	ЗН	6.0	7.7	6.4	0.8	8.3	6.0	7.6	6.4	0.8	8.	
	4H	6.1	7.4	6.4	7.7	8.1	6.0	7.3	6.3	7.6	8.6	
	бН	6.2	7.2	6.6	7.5	7.9	5.9	7.0	6.3	7.3	7.	
	HS	6.3	7.3	6.7	7.6	0.8	5.9	6.9	6.3	7.3	7.0	
	12H	6.4	7.5	8.8	7.8	8.2	5.8	6.9	6.2	7.2	7.0	
4H	2H	6.0	7.3	6.3	7.6	0.8	6.1	7.4	6.4	7.7	8.	
	ЗН	6.0	7.0	6.4	7.3	7.7	6.0	7.1	6.4	7.4	73	
	4H	6.0	7.0	6.4	7.4	7.8	6.0	7.0	6.4	7.4	7.8	
	6H	5.9	7.6	6.4	0.8	8.5	5.7	7.4	6.2	7.8	8.	
	HS	6.0	7.9	6.5	8.4	8.9	5.6	7.5	6.1	7.9	8.	
	12H	6.3	8.2	8.8	8.7	9.2	5.5	7.5	6.0	7.9	8.8	
нв	4H	5.6	7.5	6.1	7.9	8.4	6.0	7.9	6.5	8.4	8.	
	6H	5.9	7.7	6.4	8.2	8.7	6.1	7.9	6.6	8.4	8.8	
	HS	6.2	7.8	6.7	8.3	8.8	6.2	7.8	6.7	8.3	8.8	
	12H	7.0	0.8	7.5	8.5	9.0	6.5	7.5	7.0	0.8	8.	
12H	4H	5.5	7.5	6.0	7.9	8.5	6.3	8.2	6.8	8.7	9.	
	бН	5.9	7.5	6.5	0.8	8.6	6.6	8.2	7.1	8.7	9.	
	H8	6.5	7.5	7.0	0.8	8.6	7.0	0.8	7.5	8.5	9.0	
Varia	tions wi	th the ol	bserver	oosition a	at spacir	ng:	-					
S =	1.0H	1.4 / -2.1					1.4 / -2.1					
	1.5H	3.1 / -2.6					3.1 / -2.6					
	2.0H		4.7 / -3.0					4.7 / -3.0				