Design iGuzzini

iGuzzini

Last information update: May 2024

#### **Product configuration: N093**

N093: adjustable luminaire - Ø 153 mm - warm white - medium optic - frame



#### Product code

N093: adjustable luminaire - Ø 153 mm - warm white - medium optic - frame Attention! Code no longer in production

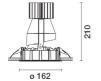
## Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a warm white colour tone 3000K. Version with rim for surface-mounting. Painted, die-cast aluminium body. Lower reflector vacuum-metallised with aluminium vapours with an antiscratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

#### Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.





o 153

## Mounting

ceiling recessed

## Wiring

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



















Technical data
las sustains

1827 Im system: W system: 23.7 3000 Im source: W source: 21 Luminous efficiency (lm/W, 77.1 real value): Im in emergency mode: Total light flux at or above an angle of 90° [Lm]: Light Output Ratio (L.O.R.) 61 [%]: Beam angle [°]: 13° / 14° CRI (minimum): 80
Colour temperature [K]: 3000
MacAdam Step: 2
Life Time LED 1: > 50,000h - L80 - B10 (Ta 25°C)
Lamp code: LED
Number of lamps for optical 1
assembly:
ZVEI Code: LED
Number of optical 1
assemblies:

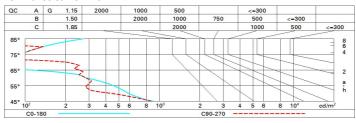
## Polar

Imax=18268 cd C0-180		Lux				
90° 180° 90°	nL 0.61 100-100-100-100-61	h	d1	d2	Em	Emax
	UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b>	2	0.5	0.5	3538	4567
	0.61A+0.00T F"1=995	4	0.9	1	884	1142
20000	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	6	1.4	1.5	393	507
α=13°/14°	LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @	<sub>65</sub> 8	1.8	2	221	285

# **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	55	52	50	49	52	50	49	48	78
1.0	57	55	53	52	54	53	52	50	83
1.5	60	58	57	56	58	56	56	54	88
2.0	62	61	60	59	60	59	58	57	93
2.5	63	62	61	61	61	61	60	58	96
3.0	64	63	63	62	62	62	61	59	98
4.0	65	64	64	63	63	63	62	60	99
5.0	65	65	64	64	64	63	62	61	100

## Luminance curve limit



Corre	ected UC	R value:	s (at 300	0 lm bar	e lamp lu	eu oni mu	flux)						
Rifle	ct.:												
ceil/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30		
		0.50 0.20	0.30	0.50 0.20	0.30	0.30	0.50	0.30	0.50	0.30	0.30		
							0.20	0.20	0.20	0.20	0.20		
		viewed crosswise						viewed endwise					
	ЗН	-3.2	-1.7	-2.8	-1.4	-1.1	8.0-	0.7	-0.5	1.0	1.3		
	4H	-3.2	-2.1	-2.8	-1.7	-1.4	-0.9	0.3	-0.5	0.6	0.9		
	бН	-3.2	-2.4	-2.8	-2.0	-1.7	-0.9	-0.1	-0.5	0.2	0.6		
	HS	-3.2	-2.3	-2.8	-2.0	-1.6	-0.9	-0.1	-0.6	0.2	0.6		
	12H	-3.1	-2.2	-2.7	-1.9	-1.5	-1.0	-0.1	-0.6	0.2	0.6		
4H	2H	-3.2	-2.1	-2.8	-1.7	-1.4	-0.9	0.3	-0.5	0.6	0.9		
	ЗН	-3.3	-2.4	-2.9	-2.1	-1.7	-1.0	-0.1	-0.6	0.3	0.6		
	4H	-3.4	-2.4	-3.0	-2.0	-1.6	-1.1	-0.1	-0.7	0.3	0.7		
	6H	-3.7	-2.0	-3.2	-1.5	-1.1	-1.5	0.2	-1.0	0.7	1.2		
	HS	-3.7	-1.8	-3.2	-1.3	8.0-	-1.6	0.3	-1.1	8.0	1.3		
	12H	-3.6	-1.6	-3.1	-1.1	-0.6	-1.7	0.2	-1.2	0.7	1.2		
8H	4H	-3.9	-2.0	-3.4	-1.5	-1.0	-1.6	0.3	-1.1	8.0	1.3		
	6H	-3.9	-2.1	-3.3	-1.6	-1.1	-1.6	0.1	-1.1	0.6	1.1		
	HS	-3.6	-2.1	-3.0	-1.6	-1.1	-1.6	-0.2	-1.1	0.3	0.9		
	12H	-3.1	-2.1	-2.5	-1.6	-1.1	-1.5	-0.5	-0.9	-0.0	0.5		
12H	4H	-4.0	-2.0	-3.5	-1.6	-1.0	-1.7	0.3	-1.2	8.0	1.3		
	бН	-3.8	-2.4	-3.3	-1.9	-1.3	-1.6	-0.2	-1.1	0.3	0.9		
	HS	-3.4	-2.4	-2.8	-1.9	-1.4	-1.5	-0.5	-0.9	-0.0	0.5		
Varia	tions wi	th the ol	serverp	noitien	at spacin	ıg:							
S =	1.0H		3	.6 / -3	8.	6.4 / -9.1							
	1.5H		6	.1 / -4	.7	9.1 / -9.8							