iGuzzini

Last information update: May 2018



Design iGuzzini

## adjustable luminaire - Ø 212 mm - warm white - flood optic - frame

Installation flush with the ceiling is for false ceilings 12.5 mm thick

#### Product code N104

Installation

Colour

Dimension (mm) Ø226x252

White/Aluminium (39)

#### **Technical description**

Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a warm white colour tone 3000K. Version without rim for mounting flush with ceiling. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch 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.

# 252 T ø 226 Λ

o 212

Weight (Kg) 1.95

#### Mounting

ceiling recessed

## Wiring

Product complete with electronic components



#### Product configuration: N104

#### Product characteristics

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Total lighting output [Lm]: 3245.5 Total power [W]: 35.9 Luminous efficacy [Lm/W]: 90.4 Life Time: 50,000h - L80 - B10 (Ta 25°C)

# Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65 Lamp code: LED ZVEI Code: LED Nominal power [W]: 33 Nominal luminous [Lm]: 5000 Lamp maximum intensity [cd]: / Beam angle [°]: 32° / 31°

Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: -Number of optical assemblies: 1

Complies with EN60598-1 and pertinent regulations

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 2.9 Colour temperature [K]: 3000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 2

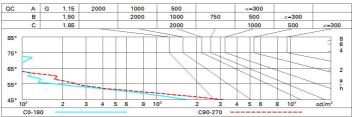
Imax=10215 cd	C145-325		Lux				
90° 18	30° 90°	nL 0.65 99-100-100-100-65 UGR <10-<10	h	d1	d2	Em	Emax
	$\mathcal{H}$	DIN A.61	2	1.1	1.1	1954	2543
10000		<b>UTE</b> 0.65A+0.00T F"1=991	4	2.3	2.2	488	636
		F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	3.4	3.3	217	283
α=32°/31°		LG3 L<500 cd/m² at 65° BZ1	8	4.6	4.4	122	159

#### N104\_EN1/2

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	52	55	53	53	50	78
1.0	61	58	56	55	58	56	56	53	82
1.5	64	62	60	59	61	60	59	57	88
2.0	66	65	63	62	64	63	62	60	93
2.5	67	66	65	65	65	64	64	62	96
3.0	68	67	67	66	66	66	65	63	98
4.0	69	68	68	67	67	67	66	64	99
5.0	69	69	69	68	68	68	67	65	100

## Luminance curve limit



## UGR diagram

Rifle	ct ·											
Riflect.: ceil/cav walls work pl.		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	
												Room dim
x	У	crosswise					endwise					
2H	2H	7.2	7.7	7.4	7.9	8.2	5.7	6.2	5.9	6.4	6.7	
	ЗН	7.0	7.5	7.3	7.8	8.1	5.5	6.0	5.8	6.3	6.6	
	4H	7.0	7.4	7.3	7.7	0.8	5.5	5.9	5.8	6.2	6.5	
	6H	6.9	7.3	7.2	7.6	7.9	5.4	5.8	5.7	6.1	6.5	
	HS	6.8	7.2	7.2	7.6	7.9	5.4	5.8	5.7	6.1	6.4	
	12H	6.8	7.2	7.2	7.5	7.9	5.3	5.7	5.7	6.0	6.4	
4H	2H	7.0	7.4	7.3	7.7	0.8	5.5	5.9	5.8	6.2	6.5	
	ЗH	6.8	7.2	7.2	7.5	7.9	5.3	5.7	5.7	6.0	6.4	
	4H	6.7	7.1	7.1	7.4	7.8	5.2	5.6	5.6	5.9	6.3	
	6H	6.6	6.9	7.1	7.3	7.7	5.1	5.4	5.6	5.8	6.3	
	BH	6.6	6.9	7.0	7.3	7.7	5.1	5.4	5.5	5.8	6.2	
	12H	6.5	8.0	7.0	7.2	7.7	5.0	5.3	5.5	5.7	6.2	
вн	4H	6.6	6.9	7.0	7.3	7.7	5.1	5.4	5.5	5.8	6.2	
	6H	6.5	6.7	7.0	7.2	7.6	5.0	5.2	5.5	5.7	6.1	
	HS	6.4	6.6	6.9	7.1	7.6	4.9	5.1	5.4	5.6	6.1	
	12H	6.4	6.6	6.9	7.0	7.6	4.9	5.1	5.4	5.5	6.1	
12H	4H	6.5	6.8	7.0	7.2	7.7	5.0	5.3	5.5	5.7	6.2	
	6H	6.4	6.6	6.9	7.1	7.6	4.9	5.1	5.4	5.6	6.1	
	8H	6.4	6.6	6.9	7.0	7.6	4.9	5.1	5.4	5.5	6.1	
Varia	ations wi	th the ol	pserver	osition	at spacir	ng:						
S =	1.0H	6.3 / -17.3					4.4 / -14.5					
	1.5H	9.1 / -18.8						7.	2 / -18	.5		