

Reflex

Design iGuzzini

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Last information update: May 2025

Product configuration: N109.39

N109.39: adjustable luminaire - Ø 212 mm - warm white - medium optic - frame - 43W 3680.3lm - 3000K - CRI 90 - White / Aluminium



Product code

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Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a warm white colour tone 3000K (CRI 90). Version with rim for surface-mounting. 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.

Installation

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

Colour

White / Aluminium (39)

Weight (Kg)

1.9

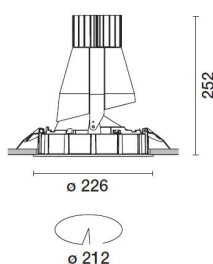
Mounting

ceiling recessed

Wiring

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	3680	MacAdam Step:	2
W system:	43	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	5350	Lamp code:	LED
W source:	39	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	85.6	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	69	Inrush current:	30 A / 200 µs
Beam angle [°]:	18°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Rf (Colour Fidelity Index):	92	Overvoltage protection:	2kV Common mode & 2kV Differential mode
Rg (Gamut Index):	99	Control:	DALI-2
Colour temperature [K]:	3000		

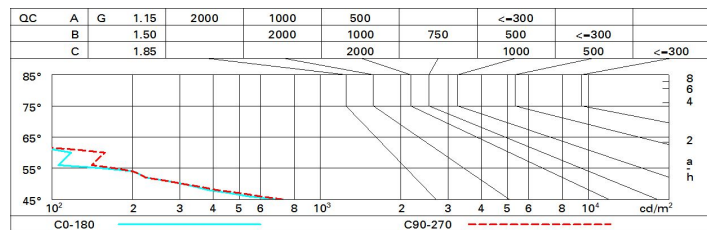
Polar

Imax=24238 cd		C45-225	CIE	Lux	
90°		180°	90°	h	d1 d2 Em Emax
24000		0°	nL 0.69 100-100-100-100-69 UGR <10-<10 DIN A.61 UTE 0.69A+0.00T F*1=997 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°	2	0.6 0.6 4697 5986
α=18°				4	1.3 1.3 1174 1497
				6	1.9 1.9 522 665
				8	2.5 2.5 294 374

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	62	59	57	55	58	56	56	54	78
1.0	65	62	60	58	61	59	59	57	83
1.5	68	66	64	63	65	64	63	61	89
2.0	70	69	67	66	68	66	66	64	93
2.5	71	70	69	69	69	68	68	66	96
3.0	72	71	71	70	70	70	69	67	98
4.0	73	72	72	72	71	71	70	68	99
5.0	74	73	73	73	72	72	71	69	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5350 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	-4.2	-2.1	-3.8	-1.8	-1.4	-2.6	-0.5	-2.2	-0.1	0.2
	3H	-4.3	-2.7	-4.0	-2.4	-2.1	-2.7	-1.1	-2.4	-0.8	-0.5
	4H	-4.4	-3.1	-4.0	-2.8	-2.4	-2.8	-1.5	-2.4	-1.2	-0.8
	6H	-4.4	-3.5	-4.0	-3.1	-2.8	-2.8	-1.8	-2.4	-1.5	-1.2
	8H	-4.5	-3.5	-4.1	-3.2	-2.8	-2.9	-1.9	-2.5	-1.5	-1.2
	12H	-4.5	-3.5	-4.1	-3.2	-2.8	-2.9	-1.9	-2.5	-1.6	-1.2
4H	2H	-4.4	-3.1	-4.0	-2.8	-2.4	-2.8	-1.5	-2.4	-1.2	-0.8
	3H	-4.5	-3.5	-4.1	-3.2	-2.8	-2.9	-1.9	-2.5	-1.6	-1.2
	4H	-4.7	-3.6	-4.2	-3.2	-2.8	-3.1	-2.0	-2.6	-1.6	-1.2
	6H	-5.0	-3.3	-4.5	-2.8	-2.4	-3.4	-1.7	-2.9	-1.2	-0.8
	8H	-5.2	-3.2	-4.7	-2.8	-2.3	-3.5	-1.6	-3.1	-1.1	-0.6
	12H	-5.3	-3.3	-4.7	-2.8	-2.3	-3.6	-1.7	-3.1	-1.2	-0.7
8H	4H	-5.2	-3.2	-4.7	-2.8	-2.3	-3.6	-1.6	-3.1	-1.2	-0.6
	6H	-5.3	-3.5	-4.7	-3.0	-2.4	-3.7	-1.9	-3.1	-1.4	-0.8
	8H	-5.3	-3.7	-4.7	-3.2	-2.7	-3.7	-2.1	-3.1	-1.6	-1.1
	12H	-5.1	-4.1	-4.6	-3.6	-3.1	-3.5	-2.5	-3.0	-2.0	-1.5
12H	4H	-5.3	-3.3	-4.7	-2.8	-2.3	-3.6	-1.7	-3.1	-1.2	-0.7
	6H	-5.3	-3.7	-4.7	-3.2	-2.7	-3.7	-2.1	-3.1	-1.6	-1.1
	8H	-5.1	-4.1	-4.6	-3.6	-3.1	-3.5	-2.5	-3.0	-2.0	-1.5
Variations with the observer position at spacing:											
S =	1.0H	4.7 / -12.2					4.6 / -11.5				
	1.5H	7.5 / -15.8					7.4 / -15.9				
	2.0H	9.5 / -15.3					9.3 / -16.8				