Design iGuzzini

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Last information update: April 2025

Product configuration: N228

N228: Fixed circular recessed luminaire - Ø212 mm - warm white - flood optic - UGR<19



Product code

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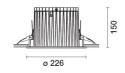
Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI 90 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° flood optic.

Installation

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

Colour Weight (Kg)
White / Aluminium (39) 1.95



ø 212

Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes



Technical data	
Im system:	4590
W system:	43.4
Im source:	5400
W source:	39
Luminous efficiency (lm/W, real value):	105.8
Im in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	85
Beam angle [°]:	26°
CRI (minimum):	90
Colour temperature [K]:	3000
MacAdam Step:	2

Life Time LED 1: > 50,000h - L90 - B10 (Ta 25°C) Lamp code: LED Number of lamps for optical 1 assembly: ZVEI Code: LED Number of optical assemblies: Power factor: See installation instructions Inrush current: 30 A / 200 μs Maximum number of luminaires of this type per B10A: 12 luminaires miniature circuit breaker: B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires Minimum dimming %: Overvoltage protection: 2kV Common mode & 2kV Differential mode DALI-2 Control:

Polar

Imax=17744 cd	CIE	Lux			ĺ
90° 180° 90°	nL 0.85 100-100-100-100-85	h	d	Em	Emax
	DIN A.61 UTE 0.85A+0.00T	2	0.9	3710	4434
	F"1=999 F"1+F"2=1000	4	1.8	927	1108
20000	F"1+F"2+F"3=1000 CIBSE LG3 L<1500 cd/m ² at 65°	6	2.8	412	493
α=26°		8	3.7	232	277

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	74	73	71	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	89	88	88	87	84	99
5.0	91	90	90	90	89	89	87	85	100