Design iGuzzini

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Last information update: April 2024

Product configuration: N012

N012: Fixed circular recessed luminaire - Ø153 mm - warm white - medium optic - UGR<19



Product code

N012: Fixed circular recessed luminaire - Ø153 mm - warm white - medium optic - UGR<19

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 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° medium optic.

Installation

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

ColourWeight (Kg)White / Aluminium (39)1.22

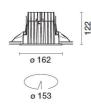


ceiling recessed

Wiring

product complete with DALI components





Technical data					
Im system:	2820	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)		
W system:	24.9	Lamp code:	LED		
Im source:	3250	Number of lamps for optical	1		
W source:	22	assembly:			
Luminous efficiency (lm/W,	113.2	ZVEI Code:	LED		
real value):		Number of optical	1		
Im in emergency mode:	-	assemblies:			
Total light flux at or above	0	Power factor:	See installation instructions		
an angle of 90° [Lm]:		Inrush current:	18 A / 250 μs		
Light Output Ratio (L.O.R.)	87	Maximum number of	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires		
[%]:		luminaires of this type per			
Beam angle [°]:	24°	miniature circuit breaker:			
CRI (minimum):	80				
Colour temperature [K]:	3000	Maria di Grandi	C16A: 57 luminaires		
MacAdam Step:	2	Minimum dimming %:	1		
		Overvoltage protection:	2kV Common mode & 1kV Differential mode		
		Control:	DALI-2		

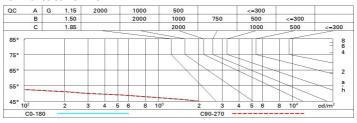
Polar

Imax=10961 cd	CIE	Lux			
90° 180°	nL 0.87 90° 99-100-100-100-87 UGR 15.7-15.7	h	d	Em	Emax
	DIN A.61 UTE	2	0.9	2088	2740
	0.87A+0.00T F"1=993	4	1.7	522	685
10000	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	2.6	232	304
α=24°	LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq	@ ₆₅ . 8	3.4	130	171

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	78	74	71	69	73	71	70	68	78
1.0	82	78	75	73	77	75	74	72	83
1.5	86	83	81	79	82	80	79	77	88
2.0	88	86	85	83	85	84	83	80	93
2.5	90	89	87	86	87	86	85	83	96
3.0	91	90	89	88	89	88	87	85	98
4.0	92	91	91	90	90	89	88	86	99
5.0	93	92	92	91	91	90	89	87	100

Luminance curve limit



Corre	ected UC	GR values	a (at 325)	0 Im 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	0.30	0.50 0.20	0.30	0.30	0.50 0.20	0.30	0.50	0.30	0.30		
					0.20			0.20	0.20	0.20	0.20		
		viewed						viewed					
		crosswise					endwise						
2H	2H	16.6	18.4	17.0	18.7	19.0	16.6	18.4	17.0	18.7	19.		
	ЗН	16.5	17.8	16.8	18.1	18.4	16.5	17.8	16.8	18.1	18.		
	4H	16.4	17.5	16.8	17.9	18.2	16.4	17.5	16.8	17.9	18.		
	бН	16.3	17.4	16.7	17.7	18.1	16.3	17.4	16.7	17.7	18.		
	H8	16.3	17.3	16.6	17.7	18.0	16.3	17.3	16.6	17.7	18.		
	12H	16.2	17.3	16.6	17.6	18.0	16.2	17.3	16.6	17.6	18.		
4H	2H	16.4	17.5	16.8	17.9	18.2	16.4	17.5	16.8	17.9	18.		
	3H	16.2	17.3	16.6	17.6	18.0	16.2	17.3	16.6	17.6	18.		
	4H	16.1	17.1	16.5	17.5	17.9	16.1	17.1	16.5	17.5	17.		
	6H	15.9	17.2	16.3	17.6	18.0	15.9	17.2	16.3	17.6	18.		
	HS	15.7	17.2	16.2	17.7	18.1	15.7	17.2	16.2	17.7	18.		
	12H	15.6	17.2	16.1	17.7	18.2	15.6	17.2	16.1	17.7	18.		
вн	4H	15.7	17.2	16.2	17.7	18.1	15.7	17.2	16.2	17.7	18.		
	6H	15.6	17.1	16.1	17.6	18.1	15.6	17.1	16.1	17.6	18.		
	ВН	15.6	16.9	16.1	17.4	17.9	15.6	16.9	16.1	17.4	17.		
	12H	15.6	16.6	16.1	17.1	17.6	15.6	16.6	16.1	17.1	17.		
12H	4H	15.6	17.2	16.1	17.7	18.2	15.6	17.2	16.1	17.7	18.		
	6H	15.6	16.9	16.1	17.4	17.9	15.6	16.9	16.1	17.4	17.		
	HS	15.6	16.6	16.1	17.1	17.6	15.6	16.6	16.1	17.1	17.		
Varia	tions wi	th the ob	pserverp	noition a	at spacin	ıg:	535						
S =	1.0H	5.1 / -31.3					5.1 / -31.3						
	1.5H	7.9 / -31.6					7.9 / -31.6						
	2.0H	9.9 / -31.8					9.9 / -31.8						