Design iGuzzini

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Last information update: April 2025

Product configuration: N234

N234: Fixed circular recessed luminaire - Ø125 mm - neutral white - wide flood optic - UGR<19



Product code

N234: Fixed circular recessed luminaire - Ø125 mm - neutral white - wide flood 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 neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° wide flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Colour Weight (Kg)
White / Aluminium (39) 1.02



ø 144



Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes

TPb rated



Complies with EN60598-1 and pertinent regulations

E03











Technical data

recillical data			
Im system:	2590	CRI (minimum):	80
W system:	23.7	Colour temperature [K]:	4000
Im source:	3200	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W,	109.3	Lamp code:	LED
real value):		Number of lamps for optical	1
Im in emergency mode:	-	assembly:	
Total light flux at or above	0	ZVEI Code:	LED
an angle of 90° [Lm]:		Number of optical	1
Light Output Ratio (L.O.R.)	81	assemblies:	
[%]:		Control:	DALI-2
Beam angle [°]:	64°		

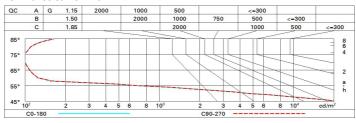
Polar

lmax=2569 cd	CIE	Lux			
90° 180° 90°	nL 0.81 96-100-100-100-81	h	d	Em	Emax
	UGR 19.6-19.6 DIN A.61	2	2.5	491	642
	UTE 0.81A+0.00T F"1=961	4	5	123	161
2500	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	7.5	55	71
0° α=64°	LG3 L<1500 cd/m ² at 65°	8	10	31	40

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	64	64	61	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	74	73	76	74	73	70	87
2.0	82	80	78	77	79	77	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	81	80	78	97
4.0	86	85	84	84	83	83	82	80	98
5.0	86	86	85	85	84	84	82	80	99

Luminance curve limit



Riflect.: ceil/cav walls work pl. Room dim x y 2H 2H 3H 4H 6H 8H 12H 4H 6H 8H 12H 8H 12H 8H 4H 6H 8H 12H	0.70 0.50 0.20 20.2 20.1 20.0 19.9 19.9 20.0 19.9	0.70 0.30 0.20 20.8 20.6 20.5 20.4 20.3 20.3	0.50 0.50 0.20 viewed crosswise 20.5 20.4 20.4 20.3 20.3 20.2	0.50 0.30 0.20 e 21.1 20.9 20.8 20.7 20.7 20.6	0.30 0.30 0.20 21.3 21.2 21.1 21.0 21.0	0.70 0.50 0.20 20.2 20.1 20.0 19.9 19.9	0.70 0.30 0.20 20.8 20.6 20.5 20.4	0.50 0.50 0.20 viewed endwise 20.5 20.4 20.4 20.3	0.50 0.30 0.20 21.1 20.9 20.8 20.7	0.30 0.30 0.20 21.3 21.2	
walls work pl. Room dim x y 2H 2H 3H 4H 6H 3H 6H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	20.2 20.1 20.0 19.9 19.9 20.0	0.30 0.20 20.8 20.6 20.5 20.4 20.3 20.3	0.50 0.20 viewed crosswise 20.5 20.4 20.4 20.3 20.3	0.30 0.20 e 21.1 20.9 20.8 20.7 20.7	0.30 0.20 21.3 21.2 21.1 21.0 21.0	0.50 0.20 20.2 20.1 20.0 19.9	0.30 0.20 20.8 20.6 20.5 20.4	0.50 0.20 viewed endwise 20.5 20.4 20.4	0.30 0.20 21.1 20.9 20.8	0.30 0.20 21.3 21.3	
work pl. Room dim x y 2H 2H 3H 4H 6H 12H 4H 2H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	20.2 20.1 20.0 19.9 19.9 20.0	20.8 20.6 20.5 20.4 20.3 20.3	0.20 viewed crosswise 20.5 20.4 20.4 20.3 20.3	0.20 e 21.1 20.9 20.8 20.7 20.7	21.3 21.2 21.1 21.0 21.0	20.2 20.1 20.0 19.9	20.8 20.6 20.5 20.4	0.20 viewed endwise 20.5 20.4 20.4	21.1 20.9 20.8	21.3	
Room dim	20.2 20.1 20.0 19.9 19.9 19.9	20.8 20.6 20.5 20.4 20.3 20.3	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21.3 21.2 21.1 21.0 21.0	20.2 20.1 20.0 19.9	20.8 20.6 20.5 20.4	viewed endwise 20.5 20.4 20.4	21.1 20.9 20.8	21.	
X Y 2H 2H 3H 4H 6H 12H 4H 2H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	20.1 20.0 19.9 19.9 19.9	20.8 20.6 20.5 20.4 20.3 20.3	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21.2 21.1 21.0 21.0	20.1 20.0 19.9	20.6 20.5 20.4	20.5 20.4 20.4	21.1 20.9 20.8	21.	
2H 2H 3H 4H 6H 3H 12H 8H 4H 2H 8H 12H 8H 4H 8H 12H	20.1 20.0 19.9 19.9 19.9	20.8 20.6 20.5 20.4 20.3 20.3	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21.2 21.1 21.0 21.0	20.1 20.0 19.9	20.6 20.5 20.4	20.5 20.4 20.4	21.1 20.9 20.8	21.	
3H 4H 6H 8H 12H 4H 2H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	20.1 20.0 19.9 19.9 19.9	20.6 20.5 20.4 20.3 20.3	20.4 20.4 20.3 20.3	20.9 20.8 20.7 20.7	21.2 21.1 21.0 21.0	20.1 20.0 19.9	20.6 20.5 20.4	20.4 20.4	20.9 20.8	21.	
4H 0H 2H 3H 4H 0H 8H 12H 8H 4H 2H	20.0 19.9 19.9 19.9 20.0	20.5 20.4 20.3 20.3	20.4 20.3 20.3	20.8 20.7 20.7	21.1 21.0 21.0	20.0 19.9	20.5 20.4	20.4	20.8		
6H 8H 12H 4H 2H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	19.9 19.9 19.9 20.0	20.4 20.3 20.3	20.3 20.3	20.7 20.7	21.0 21.0	19.9	20.4			21.	
8H 12H 4H 2H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	19.9 19.9 20.0	20.3 20.3	20.3	20.7	21.0	0.6140.33		20.3	20.7		
12H 4H 2H 3H 4H 6H 8H 12H 8H 4H 6H 8H 12H	19.9	20.3				10.0	200			21.	
4H 2H 3H 4H 6H 8H 12H 6H 8H 12H	20.0	SECRETARY.	20.2	20.6		15.5	20.3	20.3	20.7	21.	
3H 4H 6H 8H 12H 8H 4H 6H 8H 12H		20.5			21.0	19.9	20.3	20.2	20.6	21.	
4H 6H 8H 12H 8H 4H 6H 8H 12H	10.0		20.4	20.8	21.1	20.0	20.5	20.4	20.8	21.	
6H 8H 12H 8H 4H 6H 8H 12H	15.9	20.3	20.2	20.6	21.0	19.9	20.3	20.2	20.6	21.	
8H 12H 8H 4H 6H 8H 12H	19.8	20.1	20.2	20.5	20.9	19.8	20.1	20.2	20.5	20.	
12H 8H 4H 6H 8H 12H	19.7	20.0	20.1	20.4	20.8	19.7	20.0	20.1	20.4	20.	
8H 4H 6H 8H 12H	19.6	19.9	20.1	20.4	20.8	19.6	19.9	20.1	20.4	20.	
6H 8H 12H	19.6	19.9	20.0	20.3	20.7	19.6	19.9	20.0	20.3	20.	
8H 12H	19.6	19.9	20.1	20.4	20.8	19.6	19.9	20.1	20.4	20.	
12H	19.5	19.8	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.	
	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.	
12H 4H	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.	
	19.6	19.9	20.0	20.3	20.7	19.6	19.9	20.0	20.3	20.	
бН	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.	
H8	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.	
Variations v	vith the o	bserverp	osition a	at spacin	ıg:						
S = 1.0H		4.7 / -26.2					4.7 / -26.2				
1.5H		7.5 / -31.2					7.5 / -31.2				

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