iGuzzini

Last information update: April 2025

Product configuration: N020

N020: Fixed circular recessed luminaire - Ø242 mm - warm white - wide flood optic - UGR<19



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o 242

Product code

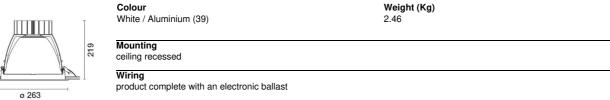
N020: Fixed circular recessed luminaire - Ø242 mm - warm white - wide flood optic - UGR<19 Attention! Code no longer in production

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. Structure with die-cast aluminium perimeter frame, black, zinc-plated sheet steel brackets and extruded aluminium dissipater painted black. 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 c>65° wide flood optic.

Installation

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



Notes

TPa rated

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed the product once installed

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Technical data					
Im system:	6309	CRI (minimum):	80		
W system:	57.6	Colour temperature [K]:	3000		
Im source:	8200	MacAdam Step:	2		
W source:	51	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)		
Luminous efficiency (Im/W,	109.5	Lamp code:	LED		
real value):		Number of lamps for optical	1 1		
Im in emergency mode:	-	assembly:			
Total light flux at or above	light flux at or above 0		LED		
an angle of 90° [Lm]:		Number of optical	1		
Light Output Ratio (L.O.R.)	77	assemblies:			
[%]:					
Beam angle [°]:	58°				

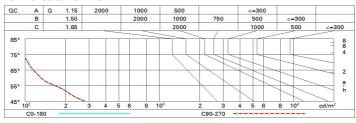
Polar

lmax=8058 cd	CIE	Lux			
90° 180° 90°	nL 0.77 100-100-100-100-77	h	d	Em	Emax
	UGR 14.3-14.3 DIN A.61 UTE	2	2.2	1557	2014
	0.77A+0.00T F"1=997	4	4.4	389	504
9000	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	6	6.7	173	224
α=58°	LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @	_{65°} 8	8.9	97	126

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	63	63	60	78
1.0	73	69	67	65	69	66	66	64	83
1.5	76	74	72	70	73	71	70	68	89
2.0	78	77	75	74	76	74	74	71	93
2.5	80	79	78	77	77	77	76	74	96
3.0	81	80	79	78	79	78	77	75	98
4.0	82	81	81	80	80	79	78	76	99
5.0	82	82	81	81	81	80	79	77	100

Luminance curve limit



Corre	ected UC	R values	at 820	0 Im bar	e lamp lu	eu oni mu	flux)					
Rifle	ct.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Room dim		viewed					viewed					
X	У	crosswise					endwise					
2H	2H	14.9	15.5	15.1	15.7	15.9	14.9	15.5	15.1	15.7	15.	
	ЗН	14.7	15.3	15.0	15.5	15.8	14.7	15.3	15.0	15.5	15.	
	4H	14.7	15.2	15.0	15.4	15.7	14.7	15.2	15.0	15.4	15.	
	бН	14.6	15.0	14.9	15.3	15.7	14.6	15.0	14.9	15.3	15.	
	HS	14.5	15.0	14.9	15.3	15.6	14.5	15.0	14.9	15.3	15.	
	12H	14.5	14.9	14.9	15.3	15.6	14.5	14.9	14.9	15.3	15.	
4H	2H	14.7	15.2	15.0	15.4	15.7	14.7	15.2	15.0	15.4	15.	
	ЗН	14.5	14.9	14.9	15.3	15.6	14.5	14.9	14.9	15.3	15.	
	4H	14.4	14.8	14.8	15.2	15.5	14.4	14.8	14.8	15.2	15.	
	бН	14.3	14.6	14.7	15.0	15.5	14.3	14.6	14.7	15.0	15.	
	HS	14.3	14.6	14.7	15.0	15.4	14.3	14.6	14.7	15.0	15.	
	12H	14.2	14.5	14.7	14.9	15.4	14.2	14.5	14.7	14.9	15.	
вн	4H	14.3	14.6	14.7	15.0	15.4	14.3	14.6	14.7	15.0	15.	
	6H	14.2	14.4	14.6	14.9	15.3	14.2	14.4	14.6	14.9	15.	
	HS	14.1	14.3	14.6	14.8	15.3	14.1	14.3	14.6	14.8	15.	
	12H	14.1	14.3	14.6	14.7	15.3	14.1	14.3	14.6	14.7	15.	
12H	4H	14.2	14.5	14.7	14.9	15.4	14.2	14.5	14.7	14.9	15.	
	бН	14.1	14.3	14.6	14.8	15.3	14.1	14.3	14.6	14.8	15.	
	HS	14.1	14.3	14.6	14.7	15.3	14.1	14.3	14.6	14.7	15.	
Varia	tions wi	th the ob	serverp	osition	at spacin	ıg:						
S =	1.0H	6.5 / -24.8					6.5 / -24.8					
	1.5H	9.4 / -25.4					9.4 / -25.4					
	2.0H			.4 / -2					1.4 / -25			