Design iGuzzini

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iGuzzini

Last information update: April 2024

Product configuration: N232

N232: Fixed circular recessed luminaire - Ø125 mm - warm white - wide flood optic - UGR<19

Product code

N232: Fixed circular recessed luminaire - Ø125 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. 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° 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 White / Aluminium (39)		Weight (Kg) 1.02		
Mounting ceiling recessed					
Wiring	th an electronic ballas	st			
product complete w					0598-1 and pertinent regulat

Technical data				
Im system:	2429	CRI (minimum):	80	
W system:	23.7	Colour temperature [K]:	3000	
Im source:	3000	MacAdam Step:	2	
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)	
Luminous efficiency (Im/W,	102.5	Lamp code:	LED	
real value):		Number of lamps for optical	1	
Im in emergency mode:	-	assembly:		
J	0	ZVEI Code:	LED	
an angle of 90° [Lm]:		Number of optical	1	
Light Output Ratio (L.O.R.) [%]:	81	assemblies:		
Beam angle [°]:	64°			

Polar

Imax=2408 cd	CIE	Lux			
90° 180° 90°	nL 0.81 96-100-100-100-81	h	d	Em	Emax
	UGR 19.4-19.4 DIN A.61 UTE	2	2.5	460	602
	0.81A+0.00T F"1=961	4	5	115	151
2500	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	7.5	51	67
α=64°	LG3 L<1500 cd/m ² at 65°	8	10	29	38

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

QC	Α	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300
85°	/								TI	8
75°					_	$\left \left\{ \left\{ \right\} \right. \right\}$				4
65°							\mathbb{N}			2
55°										a h
45° 1	0 ²		2	3 4 5	6 8 1	0 ³	2 3	4 5 6	8 10 ⁴	cd/m ²
	C0-180) -					C90-270 -			

UGR diagram

Rifle	rt :										
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		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	n dim	222023	100000	viewed	1		10000000	0.000	viewed	100000	10120
x	У		c	eiweeor	e				endwise		
2H	2H	20.0	20.6	20.3	20.8	21.1	20.0	20.6	20.3	20.8	21.
	ЗH	19.9	20.4	20.2	20.7	20.9	19.9	20.4	20.2	20.7	20.9
	4H	19.8	20.3	20.1	20.6	20.9	19.8	20.3	20.1	20.6	20.9
	6H	19.7	20.2	20.1	20.5	20.8	19.7	20.2	20.1	20.5	20.
	BH	19.7	20.1	20.0	20.4	20.8	19.7	20.1	20.0	20.4	20.8
	12H	19.6	20.1	20.0	20.4	20.8	19.6	20.1	20.0	20.4	20.
4H	2H	19.8	20.3	20.1	20.6	20.9	19.8	20.3	20.1	20.6	20.
	ЗH	19.6	20.1	20.0	20.4	20.8	19.6	20.1	20.0	20.4	20.
	4H	19.6	19.9	20.0	20.3	20.7	19.6	19.9	20.0	20.3	20.
	6H	19.5	19.8	19.9	20.2	20.6	19.5	19.8	19.9	20.2	20.
	BH	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.
	12H	19.4	19.6	19.8	20.1	20.5	19.4	19.6	19.8	20.1	20.
вн	4H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.
	6H	19.3	19.6	19.8	20.0	20.5	19.3	19.6	19.8	20.0	20.
	BH	19.3	19.5	19.8	19.9	20.4	19.3	19.5	19.8	19.9	20.
	12H	19.2	19.4	19.7	19.9	20.4	19.2	19.4	19.7	19.9	20.
12H	4H	19.4	19.6	19.8	20.1	20.5	19.4	19.6	19.8	20.1	20.
	бH	19.3	19.5	19.8	19.9	20.4	19.3	19.5	19.8	19.9	20.
	8H	19.2	19.4	19.7	19.9	20.4	19.2	19.4	19.7	19.9	20.
Varia	itions wi	th the ot	oserver p	osition a	at spacin	g:					
S =	1.0H		4.	7 / -26	2	4.7 / -26.2					
	1.5H		7.	5 / -31	.2		7	5 / -31	.2		