iGuzzini

Last information update: May 2018

adjustable luminaire - Ø 125 mm - warm white - medium optic - frame



Design iGuzzini

Product code Q989

Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a warm white colour tone 2700K (CRI 90). Version with rim for surface-mounting. Painted, die-cast aluminium body. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

Installation

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

0 144 0 125	Dimension (mm) Ø144x137								
	Weight (Kg) 0.8								
	Mounting ceiling recessed								
	Wiring Product complete with DALI components								
		Complies with EN60598-1 and pertinent regulations							
	IP20								
		Stort Effe Image Store							
	Product configuration: Q989								
	Product characteristics								

Total lighting output [Lm]: 872 Total power [W]: 18.9 Luminous efficacy [Lm/W]: 46.1 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Optical assembly Characteristics Type 1 Light Output Ratio (L.O.R.) [%]: 46

Lamp code: LED ZVEI Code: LED Nominal power [W]: 17 Nominal luminous [Lm]: 1900 Lamp maximum intensity [cd]: / Beam angle [°]: 20° / 22° Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: -Number of optical assemblies: 1

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 1.9 Colour temperature [K]: 2700 CRI: 90 Wavelength [Nm]: / MacAdam Step: 2

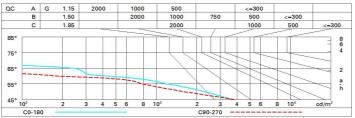
Imax=3403 cd	C0-180		Lux				
90°		nL 0.46 98-100-100-100-46 UGR <10-<10	h	d1	d2	Em	Emax
	\mathbb{X}	DIN A.61	2	0.7	0.8	646	851
3000	K >	UTE 0.46A+0.00T F"1=980	4	1.4	1.6	162	213
3000	\vdash	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	6	2.1	2.3	72	95
α=20°/22°	0°	LG3 L<500 cd/m ² at 65°	8	2.8	3.1	40	53

Q989_EN 1/2

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	41	39	37	36	38	37	37	35	77
1.0	43	41	40	38	40	39	39	37	82
1.5	45	44	43	42	43	42	42	40	88
2.0	47	46	45	44	45	44	44	42	92
2.5	47	47	46	45	46	45	45	44	95
3.0	48	48	47	47	47	46	46	45	97
4.0	49	48	48	48	47	47	46	45	99
5.0	49	49	48	48	48	48	47	46	100

Luminance curve limit



UGR diagram

Rifle	ct ·											
ce il/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
walls work pl.		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
		0.20		0.20	0.20		0.20	0.20	0.20	0.20	0.20	
	n dim	viewed					viewed					
x	У	crosswise					endwise					
2H	2H	2.4	3.0	2.7	3.2	3.4	6.6	7.2	6.9	7.4	7.7	
	ЗН	2.3	2.8	2.6	3.1	3.4	6.5	7.0	6.8	7.3	7.0	
	4H	2.2	2.7	2.6	3.0	3.3	6.5	6.9	6.8	7.2	7.5	
	6H	2.2	2.6	2.5	2.9	3.2	6.4	6.8	6.7	7.1	7.4	
	BH	2.1	2.6	2.5	2.9	3.2	6.3	6.8	6.7	7.1	7.4	
	12H	2.1	2.5	2.5	2.8	3.2	6.3	6.7	6.7	7.0	7.4	
4H	2H	2.3	2.7	2.6	3.0	3.3	6.4	6.9	6.8	7.2	7.5	
	ЗH	2.2	2.6	2.5	2.9	3.2	6.3	6.7	6.7	7.0	7.4	
	4H	2.1	2.4	2.5	2.8	3.2	6.2	6.6	6.6	6.9	7.3	
	бH	2.0	2.3	2.4	2.7	3.1	6.1	6.4	6.5	6.8	72	
	BH	1.9	2.2	2.4	2.6	3.1	6.1	6.4	6.5	8.0	7.2	
	12H	1.9	2.2	2.3	2.6	3.0	6.0	6.3	6.5	6.7	7.2	
вн	4H	1.9	2.2	2.4	2.6	3.1	6.1	6.4	6.5	6.8	7.2	
	6H	1.8	2.1	2.3	2.5	3.0	6.0	6.2	6.5	6.7	7.1	
	HS	1.8	2.0	2.3	2.5	3.0	5.9	6.1	6.4	6.6	7.1	
	12H	1.8	1.9	2.3	2.4	2.9	5.9	6.1	6.4	6.5	7.1	
12H	4H	1.9	2.1	2.3	2.6	3.0	6.0	6.3	6.5	6.7	7.2	
	6H	1.8	2.0	2.3	2.5	3.0	5.9	6.1	6.4	6.6	7.1	
	8H	1.8	1.9	2.3	2.4	2.9	5.9	6.1	6.4	6.5	7.1	
Varia	ations wi	th the ol	oserverp	osition	at spacir	ig:	020					
S =	1.0H	3.0 / -7.9						3	.9 / -9	.4		
	1.5H	4.7 / -8.8						6.	6 / -18	.6		