Design iGuzzini

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Last information update: June 2018



ø 136

1 -

ø 125

extractable, adjustable, recessed LED luminaire - DALI control gear included

Product code

Q249

Technical description

Extractable, adjustable, recessed luminaire for warm white LED lamp with high color rendering index. Passive heat dispersion system. Die-cast aluminium main body and frame; stainless steel rotation hinge. Rotation ring with safety cover in a high resistance thermoplastic material. Body adjusted with a manual manoeuvre device: internal 40° - external 65° - rotation on 355° axis. Reflector with high efficiency super-pure aluminium optic - wideflood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Dimmerable DALI control gear supplied and connected to the luminaire.

Installation

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125 mm

Dimension (mm)

Ø136x98

Colour

White (01)

Weight (Kg)

0.85

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations





On the visible part of the product once installed



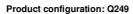












Product characteristics

Total lighting output [Lm]: 2182

Total power [W]: 28

Luminous efficacy [Lm/W]: 77.9 Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0

Emergency luminous flux [Lm]: /

Voltage [V]: -

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 78

Lamp code: LED ZVEI Code: LED

Nominal power [W]: 24 Nominal luminous [Lm]: 2800 Lamp maximum intensity [cd]: /

Beam angle [°]: 54°

Number of lamps for optical assembly: 1

Socket: Ballast losses [W]: 4

Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

Polar

Imax=2900 cd	CIE	Lux			
	nL 0.78 97-100-100-100-78	h	d	Em	Emax
	UGR 19.7-19.7 DIN A.61 UTE	2	2	560	722
$\land \land \lor \land \land$	0.78A+0.00T F"1=965	4	4.1	140	180
3000	F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE	6	6.1	62	80
α=54°	LG3 L<3000 cd/m² at 65°	8	8.2	35	45

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit

QC	Α	G	1.15	2	000		_	000		500			<=:				
	В		1.50				2	000		1000	75	0	50	00		<=300	
	C		1.85							2000			10	00		500	<=30
						_			_		_ /		_				
85°					\neg			-	_			Т				T	-
750																	
75°										10-1		1	_	_	/	_	-
65°										1	7			1		_	
00.													1	1		_	-
55°													Ì		\rightarrow		
55														_	-		
45°													\setminus				
45 10	D ²		2	3	4	5	6	8	10 ³		2	3 4	5	6	8	10 ⁴	cd/m ²
	C0-180										C90-27	70					

1 4H 1 8H	/ I.	0.70 0.50 0.20 20.2 20.1 20.0 20.0 19.9 19.9	20.9 20.7 20.6 20.4 20.4 20.3	0.50 0.50 0.20 viewed crosswise 20.5 20.4 20.4 20.3 20.3 20.3		0.30 0.30 0.20 21.3 21.2 21.1 21.1 21.0 21.0	0.70 0.50 0.20 20.2 20.1 20.0 20.0 19.9 19.9	0.70 0.30 0.20 20.9 20.7 20.6 20.4 20.4 20.3	0.50 0.50 0.20 viewed endwise 20.5 20.4 20.4 20.3 20.3	0.50 0.30 0.20 21.1 20.9 20.8 20.7 20.7 20.7	0.30 0.30 0.20 21.3 21.2 21.1 21.0
walls work pl. Room d x 2H 4H	I. dim y 2H 3H 4H 6H 8H 12H 2H 3H	20.2 20.1 20.0 20.0 19.9 19.9	0.30 0.20 20.9 20.7 20.6 20.4 20.4 20.3	0.50 0.20 viewed crosswisi 20.5 20.4 20.4 20.3 20.3 20.3	0.30 0.20 e 21.1 20.9 20.8 20.8 20.7	0.30 0.20 21.3 21.2 21.1 21.1 21.0	20.2 20.1 20.0 20.0 19.9	20.9 20.7 20.6 20.4 20.4	0.50 0.20 viewed endwise 20.5 20.4 20.4 20.3 20.3	0.30 0.20 21.1 20.9 20.8 20.7 20.7	0.30 0.20 21.3 21.2 21.1
work pl. Room d x 2H 4H 4H	2H 3H 4H 6H 8H 12H 2H 3H	20.2 20.1 20.0 20.0 19.9 19.9	20.9 20.7 20.6 20.4 20.4 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 20.8 20.7	21.3 21.2 21.1 21.1 21.0	20.2 20.1 20.0 20.0 19.9	20.9 20.7 20.6 20.4 20.4	0.20 viewed endwise 20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21.3 21.2 21.3 21.3
2H 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H	20.2 20.1 20.0 20.0 19.9 19.9	20.9 20.7 20.6 20.4 20.4 20.3	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.8 20.7	21.3 21.2 21.1 21.1 21.0	20.2 20.1 20.0 20.0 19.9	20.9 20.7 20.6 20.4 20.4	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21.3 21.3 21.3 21.3
2H 11 4H 11 8H	y 2H 3H 4H 6H 8H 12H 2H 3H	20.1 20.0 20.0 19.9 19.9	20.9 20.7 20.6 20.4 20.4 20.3	20.5 20.4 20.4 20.3 20.3 20.3	21.1 20.9 20.8 20.8 20.7	21.2 21.1 21.1 21.0	20.1 20.0 20.0 19.9	20.9 20.7 20.6 20.4 20.4	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21. 21. 21.
2H 1 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H	20.1 20.0 20.0 19.9 19.9	20.9 20.7 20.6 20.4 20.4 20.3	20.5 20.4 20.4 20.3 20.3 20.3	21.1 20.9 20.8 20.8 20.7	21.2 21.1 21.1 21.0	20.1 20.0 20.0 19.9	20.9 20.7 20.6 20.4 20.4	20.5 20.4 20.4 20.3 20.3	21.1 20.9 20.8 20.7 20.7	21. 21. 21.
14H 1	3H 4H 6H 8H 12H 2H 3H	20.1 20.0 20.0 19.9 19.9	20.7 20.6 20.4 20.4 20.3	20.4 20.4 20.3 20.3 20.3	20.9 20.8 20.8 20.7	21.2 21.1 21.1 21.0	20.1 20.0 20.0 19.9	20.7 20.6 20.4 20.4	20.4 20.4 20.3 20.3	20.9 20.8 20.7 20.7	21. 21. 21.
14H 1	4H 6H 8H 12H 2H 3H	20.0 20.0 19.9 19.9 20.0	20.6 20.4 20.4 20.3	20.4 20.3 20.3 20.3	20.8 20.8 20.7	21.1 21.1 21.0	20.0 20.0 19.9	20.6 20.4 20.4	20.4 20.3 20.3	20.8 20.7 20.7	21. 21.
1 4H 1	6H 8H 12H 2H 3H	20.0 19.9 19.9 20.0	20.4 20.4 20.3 20.6	20.3 20.3 20.3	20.8	21.1 21.0	20.0 19.9	20.4 20.4	20.3 20.3	20.7 20.7	21.
1 4H 1	8H 12H 2H 3H	19.9 19.9 20.0	20.4 20.3 20.6	20.3 20.3	20.7	21.0	19.9	20.4	20.3	20.7	
14H 1	12H 2H 3H	19.9	20.3	20.3							21.0
4H 1	2H 3H	20.0	20.6	Market Str.	20.7	21.0	19.9	20.3	20.3	20.7	
1 8H	ЗН			20.4			150		- F-7857	20.7	21.0
1 8H		19.9	000	20.4	20.8	21.1	20.0	20.6	20.4	20.8	21.
1 8H	4H		20.3	20.3	20.7	21.0	19.9	20.3	20.3	20.7	21.
1 8H	411	19.8	20.2	20.2	20.6	20.9	19.8	20.2	20.2	20.6	20.9
1 8H	6H	19.7	20.1	20.1	20.5	20.9	19.7	20.1	20.1	20.5	20.9
8H	H8	19.7	20.0	20.1	20.4	8.02	19.7	20.0	20.1	20.4	20.
	12H	19.6	19.9	20.1	20.3	20.8	19.6	19.9	20.1	20.3	20.
	4H	19.7	20.0	20.1	20.4	20.8	19.7	20.0	20.1	20.4	20.
	бН	19.6	19.8	20.1	20.3	8.02	19.6	19.8	20.1	20.3	20.
1	HS	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.
	12H	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.
12H	4H	19.6	19.9	20.1	20.3	20.8	19.6	19.9	20.1	20.3	20.
	бН	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.
	HS	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.
Variatio	ons wi	th the ob	oserverp	noitieo	at spacin	g:					
S = 1	1.0H		5.	1 / -13	.5			5.	1 / -13	.5	
1	1.5H		7.	9 / -14	1.7			7.	9 / -14	1.7	