Design iGuzzini

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Last information update: March 2025

Product configuration: Q937

Q937: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI



Product code

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Technical description

Rectangular recessed luminaire with 5 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. The total white finish and the patented technology of the optic system guarantee an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic control gear connected to the luminaire. High colour rendering LED.

Weight (Kg)

0.3

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141.

[4 [4

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White (01)

Colour

wall recessed|ceiling recessed

Wiring

On control gear box with quick-coupling connections.



















Complies with EN60598-1 and pertinent regulations









Technical data

Im system:	619
W system:	13
Im source:	860
W source:	10
Luminous efficiency (lm/W, real value):	47.6
Im in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	72
CRI (minimum):	95
CRI (typical):	97
Colour temperature [K]:	2700
MacAdam Step:	3

Life Time LED 1: 50,000h - L90 - B10 (Ta 25°C)
Lamp code: LED
Number of lamps for optical 1
assembly:
ZVEI Code: LED
Number of optical 1

Number of optical assemblies:

Power factor: See installation instructions

Inrush current: 20 A / 50 µs Maximum number of luminaires of this type per B10A: 50 lun

luminaires of this type per miniature circuit breaker:

B10A: 50 luminaires
B16A: 80 luminaires
C10A: 83 luminaires
C16A: 136 luminaires

Minimum dimming %:

Control:

Overvoltage protection: 2kV Common mode & 2kV Differential mode

DALI-2

Polar

Imax=850 cd	CIE	Lux			
90° 180° 90°	nL 0.72 88-98-100-100-72	h	d	Em	Emax
	UGR 18.0-17.9 DIN A.61	1	0.9	673	850
900	UTE 0.72A+0.00T F"1=884	2	1.8	168	213
900	F"1+F"2=980 F"1+F"2+F"3=996	3	2.7	75	94
α=48°		4	3.6	42	53

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	54	52	56	53	53	50	70
1.0	65	61	58	56	60	57	57	54	75
1.5	69	66	64	62	65	63	62	60	83
2.0	72	69	68	66	68	67	66	64	88
2.5	73	72	70	69	70	69	68	66	92
3.0	74	73	72	71	72	71	70	68	94
4.0	75	74	74	73	73	72	71	69	96
5.0	76	75	74	74	74	73	72	70	97

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°										- 8
750						1				- 4
75°						1				
						1				
65°		+		\rightarrow						
										a
65° 55° 45°										
55°	3	8	10 ³		2	3 4	5 6	8 10	04	a

Corre	ected UC	R values	at 860	Im bare	lamp lui	mino us f	lux)						
Rifled	ct.:												
ce il/c	av	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		(crosswis	e				endwise				
2H	2H	17.8	18.5	18.1	18.7	18.9	17.8	18.5	18.1	18.7	18.		
	ЗН	17.8	18.4	18.1	18.7	19.0	17.8	18.4	18.1	18.7	19.		
	4H	17.8	18.4	18.2	18.7	19.0	17.8	18.4	18.1	18.7	19.0		
	бН	17.8	18.4	18.2	18.7	19.0	17.7	18.2	18.1	18.6	18.9		
	HS	17.9	18.4	18.2	18.7	19.0	17.7	18.2	18.1	18.5	18.		
	12H	17.8	18.3	18.2	18.7	19.0	17.7	18.1	18.0	18.5	18.		
4H	2H	17.8	18.4	18.1	18.7	19.0	17.8	18.4	18.2	18.7	19.		
	ЗН	17.9	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.8	19.		
	4H	17.9	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.7	19.		
	бН	18.0	18.4	18.4	18.8	19.2	17.9	18.3	18.3	18.7	19.		
	HS	18.0	18.4	18.5	18.8	19.2	17.9	18.2	18.3	18.6	19.		
	12H	18.0	18.3	18.5	18.8	19.2	17.8	18.2	18.3	18.6	19.		
вн	4H	17.9	18.2	18.3	18.6	19.1	18.0	18.4	18.5	18.8	19.		
	6H	18.0	18.3	18.5	18.7	19.2	18.0	18.3	18.5	18.8	19.		
	HS	18.0	18.3	18.5	18.8	19.2	18.0	18.3	18.5	18.8	19.		
	12H	18.1	18.3	18.6	18.8	19.3	18.0	18.2	18.5	18.7	19.		
12H	4H	17.8	18.2	18.3	18.6	19.0	18.0	18.3	18.5	18.8	19.		
	бН	18.0	18.2	18.5	18.7	19.2	18.1	18.3	18.5	18.8	19.		
	HS	18.0	18.2	18.5	18.7	19.3	18.1	18.3	18.6	18.8	19.		
Varia	tions wi	th the ob	serverp	osition a	at spacin	ıg:							
S =	1.0H		1	.5 / -1.	5	1.5 / -1.5							
	1.5H		.1 / -3.	4		3	3.1 / -3.	.4					