Design iGuzzini

iGuzzini

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Frame 9 cells - Flood beam - LED

Product code Q502

Technical description

Square miniaturised recessed luminaire with 9 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of visual comfort. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 60 x 60.



Dimension (mm) 65x65x50

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Colour White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | Grey/Black (74) | (E7)

Weight (Kg) 0.3

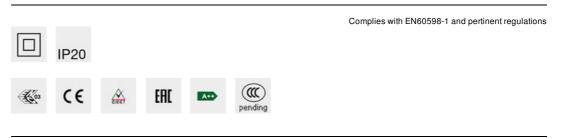
Mounting

wall recessed ceiling recessed

Wiring

On the power supply unit with terminal board included.

Notes



Product configuration: Q502

Product characteristics

 Total lighting output [Lm]: 996
 Total luminous flux at or above an angle of 90° [Lm]: 0

 Total lighting output [Lm]: 996
 Total luminous flux at or above an angle of 90° [Lm]: 0

 Total power [W]: 17.7
 Emergency luminous flux [Lm]: /

 Luminous efficacy [Lm/W]: 56.3
 Voltage [V]: 230

 Life Time: > 50,000h - L80 - B10 (Ta 25°C)
 Number of optical assemblies: 1

 Optical assembly Characteristics Type 1

 Light Output Ratio (L.O.R.) [%]: 83
 Number of lamps for optical assembly: 1

 Lamp code: LED
 Socket: /

 ZVEI Code: LED
 Ballast losses [W]

 Nominal power [W]: 15
 Colour temperature

 Nominal luminous [Lm]: 1200
 CRI: 90

 Lamp maximum intensity [cd]: /
 Wavelength [Nm]:

 Beam angle [°]: 42°
 MacAdam Step: 3

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 2.7 Colour temperature [K]: 3000 CRI: 90 Wavelength [Nm]: / Polar

Imax=2046 cd	CIE	Lux			
90° 180° 90°	nL 0.83 100-100-100-100-83 UGR <10-<10	h	d	Em	Emax
	DIN A.61 UTE	2	1.5	416	508
$K \times + K / Y$	0.83A+0.00T F"1=999	4	3.1	104	127
2000	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	4.6	46	56
α=42°	LG3 L<500 cd/m ² at 65°	8	6.1	26	32

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	80	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	87	85	83	100

Luminance curve limit

ac	Α	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<-300	
	С		1.85			2000		1000	500	<-300
85° r										
		-								- 8
75°	/									4
85°										
55- [2
55°										-
	-			20000				\mathbf{N}		1
45° 1	0 ²		2	3 4 5	6 8 1	0 ³	2 3	4 5 6	8 10 ⁴	cd/m ²
	C0-18	0					C90-270 -			

Rifle	et :										
ceil/cav		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	0.20	0.20
Room dim				viewed			0.000.000		viewed		
x	У		c	crosswis	е				endwise		
2H	2H	6.0	6.6	6.3	6.8	7.0	6.0	6.6	6.3	6.8	7.0
	ЗН	5.8	6.4	6.2	6.6	6.9	5.8	6.4	6.2	6.6	6.9
	4H	5.8	6.3	6.1	6.6	6.8	5.8	6.3	6.1	6.5	6.8
	6H	5.7	6.1	6.1	6.5	6.8	5.7	6.1	6.0	6.5	6.8
	BH	5.7	6.1	6.0	6.4	6.8	5.7	6.1	6.0	6.4	6.8
	12H	5.6	6.0	6.0	6.4	6.7	5.6	6.0	6.0	6.4	6.7
4H	2H	5.8	6.3	6.1	6.5	6.8	5.8	6.3	6.1	6.6	6.8
	ЗH	5.6	6.0	6.0	6.4	6.7	5.6	6.0	6.0	6.4	6.7
	4H	5.5	5.9	5.9	6.3	6.6	5.5	5.9	5.9	6.3	6.6
	6H	5.5	5.8	5.9	6.2	6.6	5.4	5.8	5.9	6.2	6.6
	8H	5.4	5.7	5.9	6.1	6.6	5.4	5.7	5.8	6.1	6.5
	12H	5.4	5.6	5.8	6.1	6.5	5.4	5.6	5.8	6.0	6.5
вн	4H	5.4	5.7	5.8	6.1	6.5	5.4	5.7	5.9	6.1	6.6
	6H	5.3	5.6	5.8	6.0	6.5	5.3	5.6	5.8	6.0	6.5
	HS	5.3	5.5	5.8	5.9	6.4	5.3	5.5	5.8	5.9	6.4
	12H	5.2	5.4	5.7	5.9	6.4	5.2	5.4	5.7	5.9	6.4
12H	4H	5.4	5.6	5.8	6.0	6.5	5.4	5.6	5.8	6.1	6.5
	6H	5.3	5.5	5.7	5.9	6.4	5.3	5.5	5.8	6.0	6.5
	H8	5.2	5.4	5.7	5.9	6.4	5.2	5.4	5.7	5.9	6.4
Varia	tions wi	th the ol	bserverp	osition	at spacir	ng:					
S =	1.0H		7	.0 / -14	1.5	7.0 / -14.5					
	1.5H		9	.8 / -14	1.7	9.8 / -14.7					