Design iGuzzini

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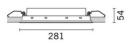
10 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply Wide - Flood optic

Product code

MQ83

Technical description

rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - wide flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare . Supplied with DALI dimmable electronic control gear connected to the luminaire. Warm white high colour rendering LED





Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274

Dimension (mm)

281x44x54

Colour

White (01) | Black/Black (43) | Black/White (47) | Grey/Black (74)

Weight (Kg)

0.6

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations























Product characteristics

Total lighting output [Lm]: 1409.8 Total power [W]: 24.5

Luminous efficacy [Lm/W]: 57.5 Life Time: 50,000h - L90 - 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.) [%]: 83

Lamp code: LED ZVEI Code: LED Nominal power [W]: 21 Nominal luminous [Lm]: 1700

Lamp maximum intensity [cd]: / Beam angle [°]: 48°

Number of lamps for optical assembly: 1

Socket:

Ballast losses [W]: 3.5 Colour temperature [K]: 3000

CRI: 95

Wavelength [Nm]: / MacAdam Step: 3

Polar

Imax=2497 cd	CIE	Lux			
90° 180° 90°	nL 0.83 100-100-100-100-83	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	1.8	523	623
	0.83A+0.00T F"1=999	4	3.6	131	156
2500	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	5.3	58	69
α=48°	LG3 L<200 cd/m ² at 65° BZ1	8	7.1	33	39

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	79	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	86	85	83	100

: / / I. I. J. J. J. J. J. J. J. J. J. J. J. J. J.	0.70 0.50 0.20 1.2 1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2 1.2	0.50 0.50 0.20 viewed crosswis 1.4 1.3 1.3 1.2 1.2		0.30 0.30 0.20 2.1 2.0 2.0 1.9 1.9	0.70 0.50 0.20 1.2 1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3	0.50 0.50 0.20 viewed endwise 1.4 1.3 1.3 1.2		0.30 0.30 0.20 2.1 2.0 2.0 1.9	
2H 3H 4H 6H 8H 12H 2H 3H	1.2 1.0 1.0 0.9 0.8	0.30 0.20 1.6 1.5 1.4 1.3 1.2 1.2	0.50 0.20 viewed crosswis 1.4 1.3 1.3 1.2 1.2	0.30 0.20 e 1.9 1.7 1.7 1.6 1.5	0.30 0.20 2.1 2.0 2.0 1.9	1.2 1.0 1.0 0.9	0.30 0.20 1.6 1.5 1.4 1.3 1.2	0.50 0.20 viewed endwise 1.4 1.3 1.3 1.2 1.2	0.30 0.20 1.9 1.7 1.7 1.6	2.1 2.0 2.0	
2H 3H 4H 6H 8H 12H 2H 3H	1.2 1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3 1.2 1.2	0.20 viewed crosswis 1.4 1.3 1.3 1.2 1.2	0.20 e 1.9 1.7 1.7 1.6 1.5	2.1 2.0 2.0 1.9	1.2 1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3	0.20 viewed endwise 1.4 1.3 1.3 1.2 1.2	1.9 1.7 1.7 1.6	2.1 2.0 2.0	
2H 3H 4H 6H 8H 12H 2H 3H	12 1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2 1.2	1.4 1.3 1.3 1.2 1.2	e 1.9 1.7 1.7 1.6 1.5	2.1 2.0 2.0 1.9 1.9	1.2 1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3	1.4 1.3 1.3 1.2 1.2	1.9 1.7 1.7 1.6	2.1 2.0 2.0 1.9	
2H 3H 4H 6H 8H 12H 2H 3H	1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2 1.2	1.4 1.3 1.3 1.2 1.2	1.9 1.7 1.7 1.6 1.5	2.0 2.0 1.9 1.9	1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3	1.4 1.3 1.3 1.2 1.2	1.9 1.7 1.7 1.6	2.0 2.0 1.9	
2H 3H 4H 6H 8H 12H 2H 3H	1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2 1.2	1.4 1.3 1.3 1.2 1.2	1.9 1.7 1.7 1.6 1.5	2.0 2.0 1.9 1.9	1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3	1.4 1.3 1.3 1.2	1.9 1.7 1.7	2.0 2.0 1.9	
3H 4H 6H 8H 12H 2H 3H	1.0 1.0 0.9 0.9 0.8	1.5 1.4 1.3 1.2 1.2	1.3 1.3 1.2 1.2 1.2	1.7 1.7 1.6 1.5	2.0 2.0 1.9 1.9	1.0 1.0 0.9 0.9	1.5 1.4 1.3 1.2	1.3 1.3 1.2 1.2	1.7 1.7 1.6	2.0 2.0 1.9	
4H 6H 8H 12H 2H 3H	1.0 0.9 0.9 0.8	1.4 1.3 1.2 1.2	1.3 1.2 1.2 1.2	1.7 1.6 1.5	2.0 1.9 1.9	1.0 0.9 0.9	1.4 1.3 1.2	1.3 1.2 1.2	1.7 1.6	2.0 1.9	
6H 8H 12H 2H 3H	0.9 0.9 0.8	1.3 1.2 1.2	1.2 1.2 1.2	1.6 1.5	1.9 1.9	0.9	1.3 1.2	1.2 1.2	1.6	1.9	
8H 12H 2H 3H	0.9 0.8	1.2 1.2	1.2 1.2	1.5	1.9	0.9	1.2	1.2			
12H 2H 3H	0.8	1.2	1.2						1.5	1 /	
2H 3H	1.0	1.4	0.554553	1.5	1.9	8.0				1.3	
ЗН			1.3			100	1.2	1.2	1.5	1.8	
	8.0			1.7	2.0	1.0	1.4	1.3	1.7	2.0	
4H	1757	1.2	1.2	1.5	1.8	8.0	1.2	1.2	1.5	1.9	
	0.7	1.0	1.1	1.4	1.8	0.7	1.0	1.1	1.4	1.8	
бН	0.6	0.9	1.1	1.3	1.7	0.6	0.9	1.1	1.3	1.7	
H8	0.6	8.0	1.0	1.3	1.7	0.6	8.0	1.0	1.3	1.	
12H	0.5	8.0	1.0	1.2	1.7	0.5	8.0	1.0	1.2	1.	
4H	0.6	8.0	1.0	1.3	1.7	0.6	8.0	1.0	1.3	1.	
6H	0.5	0.7	1.0	1.2	1.6	0.5	0.7	1.0	1.2	1.0	
8H	0.4	0.6	0.9	1.1	1.6	0.4	0.6	0.9	1.1	1.0	
12H	0.4	0.5	0.9	1.0	1.6	0.4	0.5	0.9	1.0	1.5	
4H	0.5	8.0	1.0	1.2	1.7	0.5	8.0	1.0	1.2	1.	
6H	0.4	0.6	0.9	1.1	1.6	0.4	0.6	0.9	1.1	1.6	
8H	0.4	0.5	0.9	1.0	1.5	0.4	0.5	0.9	1.0	1.0	
ns wi	th the ol	bserverp	noitieo	at spacir	g:						
1.0H		6.9 / -18.0				6.9 / -18.0					
1.5H	9.7 / -18.3					9.7 / -18.3					
11111	2H 4H 6H 8H ns wi	2H 0.4 4H 0.5 6H 0.4 8H 0.4 ns with the ol. 0H	2H 0.4 0.5 4H 0.5 0.8 6H 0.4 0.6 8H 0.4 0.5 ns with the observer proper pro	2H 0.4 0.5 0.9 4H 0.5 0.8 1.0 6H 0.4 0.6 0.9 8H 0.4 0.5 0.9 ns with the observer position .0H 6.9 / -18 .5H 9.7 / -18	2H 0.4 0.5 0.9 1.0 4H 0.5 0.8 1.0 1.2 6H 0.4 0.6 0.9 1.1 8H 0.4 0.5 0.9 1.0 ns with the observer position at spacin .0H 6.9 / -18.0 .5H 9.7 / -18.3	2H 0.4 0.5 0.9 1.0 1.6 4H 0.5 0.8 1.0 1.2 1.7 6H 0.4 0.6 0.9 1.1 1.6 8H 0.4 0.5 0.9 1.0 1.5 ns with the observer position at spacing: .0H 6.9 / -18.0 9.7 / -18.3	2H 0.4 0.5 0.9 1.0 1.6 0.4 4H 0.5 0.8 1.0 1.2 1.7 0.5 6H 0.4 0.6 0.9 1.1 1.6 0.4 8H 0.4 0.5 0.9 1.0 1.5 0.4 ns with the observer position at spacing: .0H 6.9 / -18.0 .5H 9.7 / -18.3	2H 0.4 0.5 0.9 1.0 1.6 0.4 0.5 4H 0.5 0.8 1.0 1.2 1.7 0.5 0.8 6H 0.4 0.6 0.9 1.1 1.6 0.4 0.6 8H 0.4 0.5 0.9 1.0 1.5 0.4 0.5 ns with the observer position at spacing: .0H 6.9 / -18.0 6. 5H 9.7 / -18.3 9.	2H	2H	