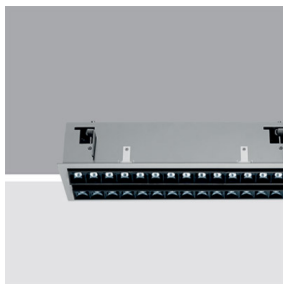


Laser Blade

Design iGuzzini

iGuzzini

Last information update: May 2018



Adjustable 2 x 15 - cell Recessed frame - LED Neutral white - Incorporated DALI dimmable power supply - Beam 48°

Product code

MQ37

Technical description

Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The two linear elements with 15 lighting cells, in die-cast aluminium and independently adjustable, can be used to direct the emission with a tilting adjustability of +/- 30°. 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 control gear connected to the luminaire. Neutral white LED.

Installation

recessed with mechanical blocking system for false ceilings from 1 to 25 mm; can be installed on ceilings and walls (vertical + horizontal) - preparation slot 135 x 428

Dimension (mm)

435x142x89

Colour

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

Weight (Kg)

3.36

Mounting

wall recessed|ceiling recessed

Wiring

On power box: screw and quick release connections. The product is fitted with a separate control gear for each lighting body; possibility of separate switching

Notes

dimming function with pushbutton (TOUCH DIM/PUSH): for this option consult the instructions included in the package

Complies with EN60598-1 and pertinent regulations



Product configuration: MQ37

Product characteristics

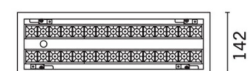
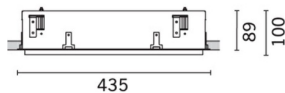
Total lighting output [Lm]: 4478.2
Total power [W]: 70
Luminous efficacy [Lm/W]: 64
Life Time: 50,000h - L90 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 2

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 31
Nominal luminous [Lm]: 2700
Lamp maximum intensity [cd]: /
Beam angle [°]: 48°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4
Colour temperature [K]: 4000
CRI: 95
Wavelength [Nm]: /
MacAdam Step: 3



Polar

	Imax=3966 cd 90° 180° 90° 4000 0° $\alpha=46^\circ$	CIE nL 0.83 100-100-100-100-83 UGR <10-<10 DIN A.61 UTE 0.83A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<200 cd/m ² at 65° BZ1	Lux h d Em Emax 2 1.8 830 989 4 3.6 208 247 6 5.3 92 110 8 7.1 52 62
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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

UGR diagram

Corrected UGR values (at 2700 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav		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 crosswise					viewed endwise				
x	y										
2H	2H	1.3	1.8	1.6	2.0	2.3	1.3	1.8	1.6	2.0	2.3
	3H	1.2	1.6	1.5	1.9	2.2	1.2	1.6	1.5	1.9	2.2
	4H	1.1	1.5	1.4	1.8	2.1	1.1	1.5	1.4	1.8	2.1
	6H	1.0	1.4	1.4	1.7	2.0	1.0	1.4	1.4	1.7	2.0
	8H	1.0	1.4	1.4	1.7	2.0	1.0	1.4	1.4	1.7	2.0
12H	1.0	1.3	1.3	1.6	2.0	1.0	1.3	1.3	1.6	2.0	
4H	2H	1.1	1.5	1.4	1.8	2.1	1.1	1.5	1.4	1.8	2.1
	3H	1.0	1.3	1.3	1.6	2.0	1.0	1.3	1.3	1.6	2.0
	4H	0.9	1.2	1.3	1.5	1.9	0.9	1.2	1.3	1.5	1.9
	6H	0.8	1.1	1.2	1.5	1.9	0.8	1.1	1.2	1.5	1.9
	8H	0.7	1.0	1.2	1.4	1.8	0.7	1.0	1.2	1.4	1.8
12H	0.7	0.9	1.1	1.3	1.8	0.7	0.9	1.1	1.3	1.8	
8H	4H	0.7	1.0	1.2	1.4	1.8	0.7	1.0	1.2	1.4	1.8
	6H	0.6	0.9	1.1	1.3	1.8	0.6	0.9	1.1	1.3	1.8
	8H	0.6	0.8	1.1	1.2	1.7	0.6	0.8	1.1	1.2	1.7
	12H	0.5	0.7	1.0	1.2	1.7	0.5	0.7	1.0	1.2	1.7
12H	4H	0.7	0.9	1.1	1.3	1.8	0.7	0.9	1.1	1.3	1.8
	6H	0.6	0.8	1.1	1.2	1.7	0.6	0.8	1.1	1.2	1.7
	8H	0.5	0.7	1.0	1.2	1.7	0.5	0.7	1.0	1.2	1.7
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -18.0					6.9 / -18.0				
	1.5H	9.7 / -18.3					9.7 / -18.3				
	2.0H	11.7 / -18.4					11.7 / -18.4				