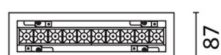
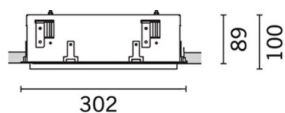


Last information update: May 2018



**Adjustable 10 - cell Recessed frame - LED - Warm white - Incorporated DALI dimmable power supply - Beam 48°**

**Product code**  
MQ24

**Technical description**

Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The 10 lighting cells linear body, in die-cast aluminium, 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 luminance. Supplied with DALI dimmable control gear connected to the luminaire. Warm 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 80 x 295

**Dimension (mm)**

302x87x89

**Colour**

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

**Weight (Kg)**

1.52

**Mounting**

wall recessed|ceiling recessed

**Wiring**

on power box: screw connections

**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: MQ24**

**Product characteristics**

Total lighting output [Lm]: 1492.7  
Total power [W]: 24.5  
Luminous efficacy [Lm/W]: 60.9  
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]: 1800  
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: 90  
Wavelength [Nm]: /  
MacAdam Step: 3

**Polar**

	<b>Imax=2644 cd</b>	<b>CIE</b> nL 0.83 100-100-100-100-83 UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b> 0.83A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<200 cd/m <sup>2</sup> at 65° BZ1	<b>Lux</b>			
			<b>h</b>	<b>d</b>	<b>Em</b>	<b>Emax</b>
			2	1.8	553	659
			4	3.6	138	165
			6	5.3	61	73
	8	7.1	35	41		

**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 1800 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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	2.2	1.3	1.8	1.6	2.0	2.2
	3H	1.2	1.6	1.5	1.9	2.1	1.2	1.6	1.5	1.9	2.1
	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	1.3	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	1.0	1.2	1.4	1.9	0.8	1.0	1.2	1.4	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	0.8	1.1	1.3	1.8	0.6	0.8	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				