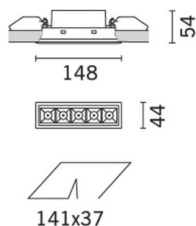


Design iGuzzini iGuzzini



MQ77.47: 5 - cell Recessed luminaire - LED Neutral white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
829.3lm - 4000K - CRI 95 - Black / White

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rectangular miniaturised recessed luminaire with 5 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. Neutral white high colour rendering LED.

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

Colour
Black / White (47)

Weight (Kg)
0.29

wall recessed|ceiling recessed

on control gear box: screw connections with terminal block included

Complies with EN60598-1 and pertinent regulations



lm system:	829	CRI (typical):	97
W system:	13	Colour temperature [K]:	4000
lm source:	1000	MacAdam Step:	3
W source:	10	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	63.8	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	48°	Control:	DALI-2
CRI (minimum):	95		

	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<1500 cd/m ² at 65° UGR<10 L<1500 cd/mq @65°				Lux			
	h	d	Em	Emax				
	1	0.9	1230	1465				
	2	1.8	307	366				
	3	2.7	137	163				
4	3.6	77	92					

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 1000 lm bare lamp luminous flux)											
Riflect.:		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	2.0	2.5	2.3	2.7	3.0	2.0	2.5	2.3	2.7	3.0
	3H	1.9	2.3	2.2	2.6	2.9	1.9	2.3	2.2	2.6	2.9
	4H	1.8	2.2	2.2	2.5	2.8	1.8	2.2	2.2	2.5	2.8
	6H	1.8	2.1	2.1	2.4	2.8	1.7	2.1	2.1	2.4	2.8
	8H	1.7	2.1	2.1	2.4	2.7	1.7	2.1	2.1	2.4	2.7
	12H	1.7	2.0	2.0	2.4	2.7	1.7	2.0	2.0	2.4	2.7
4H	2H	1.8	2.2	2.2	2.5	2.8	1.8	2.2	2.2	2.5	2.8
	3H	1.7	2.0	2.0	2.4	2.7	1.7	2.0	2.0	2.4	2.7
	4H	1.6	1.9	2.0	2.3	2.6	1.6	1.9	2.0	2.3	2.6
	6H	1.5	1.8	1.9	2.2	2.6	1.5	1.8	1.9	2.2	2.6
	8H	1.5	1.7	1.9	2.1	2.5	1.5	1.7	1.9	2.1	2.5
	12H	1.4	1.6	1.9	2.1	2.5	1.4	1.6	1.9	2.1	2.5
8H	4H	1.5	1.7	1.9	2.1	2.5	1.5	1.7	1.9	2.1	2.5
	6H	1.4	1.6	1.8	2.0	2.5	1.4	1.6	1.8	2.0	2.5
	8H	1.3	1.5	1.8	1.9	2.4	1.3	1.5	1.8	1.9	2.4
	12H	1.3	1.4	1.8	1.9	2.4	1.3	1.4	1.8	1.9	2.4
12H	4H	1.4	1.6	1.9	2.1	2.5	1.4	1.6	1.9	2.1	2.5
	6H	1.3	1.5	1.8	1.9	2.4	1.3	1.5	1.8	1.9	2.4
	8H	1.3	1.4	1.8	1.9	2.4	1.3	1.4	1.8	1.9	2.4
Variations with the observer position at spacing:											
S =		0.9 / -18.0					0.9 / -18.0				
		9.7 / -18.3					9.7 / -18.3				
		11.7 / -18.4					11.7 / -18.4				