

Laser Blade

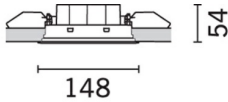
Design iGuzzini

iGuzzini

Last information update: May 2024

Product configuration: MQ60

MQ60: Recessed frame - LED - Warm white - Incorporated DALI dimmable power supply - Diffused lighting



Product code

MQ60: Recessed frame - LED - Warm white - Incorporated DALI dimmable power supply - Diffused lighting **Attention! Code no longer in production**

Technical description

Miniaturized recessed rectangular luminaire with LEDs. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Optical system designed for diffused lighting distribution. Flux enhancer - superpure aluminium reflector - microprism screen in transparent PMMA with optimised geometry texture; a special film in acrylic material, combined with the screen, allow for a comfortable level of lighting diffusion. Black polycarbonate internal perimeter frame. Supplied with DALI dimmable control gear connected to the luminaire. Warm white LED.

Installation

recessed with steel springs for false ceilings from 1 to 25 mm; can be installed on ceilings and walls (vertical + horizontal) - preparation slot 37 x 141

Colour

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

Weight (Kg)

0.35

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

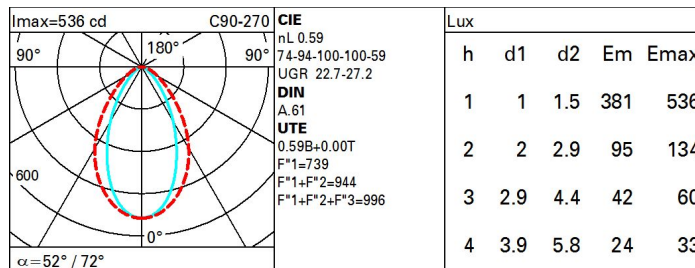
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	649	CRI (typical):	92
W system:	13	Colour temperature [K]:	3000
Im source:	1100	MacAdam Step:	3
W source:	9.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	49.9	Lamp code:	LED
Im 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.) [%]:	59	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI

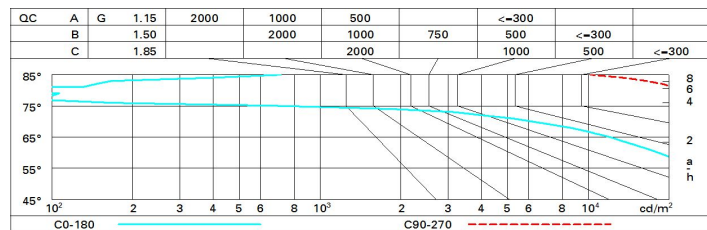
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	46	42	38	36	41	38	38	35	59
1.0	49	45	42	40	45	42	42	39	66
1.5	54	51	49	47	50	48	47	45	76
2.0	57	54	53	51	54	52	51	49	83
2.5	58	57	55	54	56	54	53	51	87
3.0	60	58	57	55	57	56	55	53	90
4.0	61	59	58	57	58	57	57	55	92
5.0	61	60	59	59	59	58	57	56	94

Luminance curve limit



UGR diagram

Corrected UGR values (at 1100 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		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
2H	2H	22.4	23.3	22.7	23.5	23.8	26.3	27.1	26.6	27.4	27.6
	3H	22.4	23.2	22.8	23.5	23.8	26.3	27.1	26.7	27.4	27.7
	4H	22.4	23.1	22.7	23.4	23.7	26.3	27.0	26.6	27.3	27.6
	6H	22.3	22.9	22.6	23.3	23.6	26.2	26.9	26.6	27.2	27.5
	8H	22.2	22.9	22.6	23.2	23.6	26.2	26.8	26.6	27.1	27.5
	12H	22.2	22.8	22.6	23.2	23.5	26.1	26.7	26.5	27.1	27.5
4H	2H	22.9	23.6	23.2	23.9	24.2	27.2	27.9	27.5	28.2	28.5
	3H	23.0	23.6	23.3	23.9	24.3	27.4	28.0	27.7	28.3	28.7
	4H	22.9	23.4	23.3	23.8	24.2	27.4	27.9	27.8	28.3	28.6
	6H	22.8	23.2	23.2	23.7	24.1	27.3	27.8	27.7	28.2	28.6
	8H	22.7	23.2	23.2	23.6	24.0	27.2	27.7	27.7	28.1	28.5
	12H	22.7	23.1	23.2	23.5	24.0	27.2	27.6	27.7	28.0	28.5
8H	4H	22.9	23.3	23.3	23.7	24.2	27.5	28.0	28.0	28.4	28.8
	6H	22.8	23.1	23.3	23.6	24.1	27.5	27.8	28.0	28.3	28.8
	8H	22.7	23.0	23.2	23.5	24.0	27.4	27.7	27.9	28.2	28.7
	12H	22.7	23.0	23.2	23.4	24.0	27.4	27.6	27.9	28.1	28.6
12H	4H	22.8	23.2	23.3	23.7	24.1	27.5	27.9	28.0	28.3	28.8
	6H	22.8	23.1	23.2	23.5	24.0	27.5	27.8	27.9	28.2	28.7
	8H	22.7	23.0	23.2	23.5	24.0	27.4	27.7	27.9	28.2	28.7
Variations with the observer position at spacing:											
S =	1.0H	1.4 / -1.9					0.3 / -0.7				
	1.5H	2.1 / -4.3					1.4 / -1.5				
	2.0H	3.3 / -6.8					2.7 / -2.2				