

Deep Laser

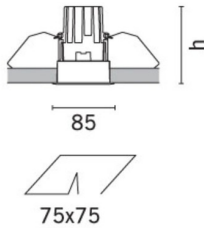
Design iGuzzini

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Last information update: March 2023

Product configuration: MA03+L387

MA03: medium body, Frame installation 50 W 12 V QR CBC 51



Product code

MA03: medium body, Frame installation 50 W 12 V QR CBC 51 **Attention! Code no longer in production**

Technical description

Fixed square recessed luminaire designed to use a 50W QR CBC 51 halogen lamp. Recessed item with rim consisting of a single die-cast aluminium body. Lamp set back 40 mm for greater visual comfort.

Installation

Recessed using springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 30 mm

Colour

White (01) | Grey (15)

Mounting

wall recessed|ceiling recessed

Wiring

Electronic transformer to be ordered separately

Notes

MWL5 accessory complete with soft lens filter for IP44.

Complies with EN60598-1 and pertinent regulations



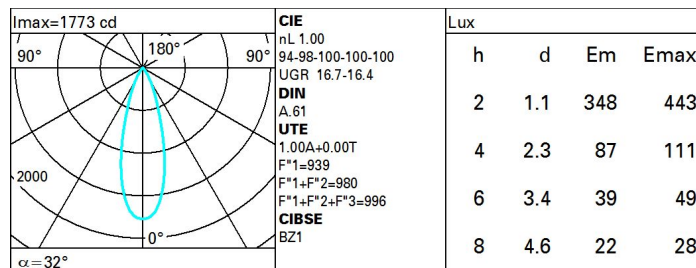
IP23



Technical data

lm system:	660	CRI:	80
W system:	10	Colour temperature [K]:	3000
lm source:	660	Ballast losses [W]:	2
W source:	8	Voltage [Vin]:	12
Luminous efficiency (lm/W, real value):	66	Lamp code:	LED
lm in emergency mode:	-	Socket:	GU5,3
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	100	ZVEI Code:	LED
Beam angle [°]:	32°	Number of optical assemblies:	1

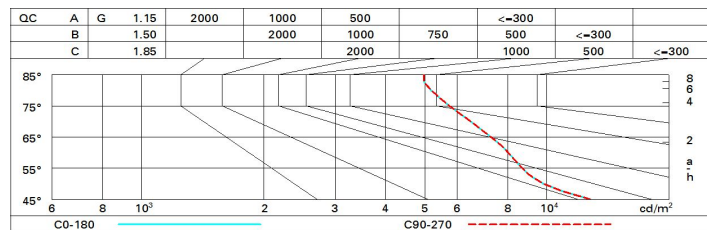
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	88	82	79	76	81	78	77	74	74
1.0	92	87	84	81	86	83	82	79	79
1.5	97	93	91	88	92	90	89	85	85
2.0	101	98	96	94	96	94	93	90	90
2.5	103	101	99	97	99	97	96	93	93
3.0	104	103	101	100	101	100	98	96	96
4.0	105	104	103	102	103	102	100	98	98
5.0	106	105	105	104	104	103	101	99	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 600 lm bare lamp luminous flux)										
Reflect.: ceiling walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise			
2H	2H	15.0	15.6	15.3	15.8	16.1	15.0	15.6	15.3	15.8
	3H	15.6	16.1	15.9	16.4	16.7	15.1	15.7	15.4	16.0
	4H	15.8	16.3	16.1	16.6	16.9	15.2	15.7	15.5	16.0
	6H	16.0	16.5	16.3	16.8	17.1	15.2	15.7	15.5	16.0
	8H	16.1	16.5	16.4	16.8	17.2	15.1	15.6	15.5	15.9
	12H	16.1	16.5	16.5	16.9	17.2	15.1	15.6	15.5	15.9
4H	2H	15.2	15.7	15.5	16.0	16.3	15.8	16.3	16.1	16.6
	3H	15.9	16.4	16.3	16.7	17.1	16.1	16.6	16.5	16.9
	4H	16.3	16.7	16.7	17.0	17.4	16.3	16.7	16.7	17.0
	6H	16.5	16.9	17.0	17.3	17.7	16.4	16.7	16.8	17.1
	8H	16.7	17.0	17.1	17.4	17.8	16.4	16.7	16.8	17.1
	12H	16.7	17.0	17.2	17.4	17.9	16.3	16.6	16.8	17.1
8H	4H	16.4	16.7	16.8	17.1	17.5	16.7	17.0	17.1	17.4
	6H	16.7	17.0	17.2	17.5	17.9	16.8	17.1	17.3	17.5
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6
	12H	16.0	16.5	16.5	16.9	17.2	16.1	16.6	16.6	17.1
12H	4H	16.3	16.6	16.8	17.1	17.5	16.7	17.0	17.2	17.4
	6H	16.8	17.0	17.2	17.4	17.9	16.9	17.2	17.4	17.6
	8H	16.1	16.6	16.6	16.9	17.2	16.0	16.5	16.5	16.9
Variations with the observer position at spacing:										
S =	1.0H	1.9 / -1.0					1.9 / -1.0			
	1.5H	3.7 / -1.4					3.7 / -1.4			
	2.0H	5.3 / -1.7					5.3 / -1.7			