

Last information update: June 2024

Product configuration: MB56

MB56: Round recessed luminaire - D=226 mm H=103 mm - neutral white - DALI ballast - general light optic



Product code

MB56: Round recessed luminaire - D=226 mm H=103 mm - neutral white - DALI ballast - general light optic **Attention! Code no longer in production**

Technical description

Recessed fixed round luminaire designed to use a LED lamp. Version with rim for surface-mounting. Multi-faceted reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with 2000 lm DALI LED unit in a neutral white tone 4000K and driver separate from the luminaire. General light distribution.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.

Colour

White / Aluminium (39)

Weight (Kg)

1.72

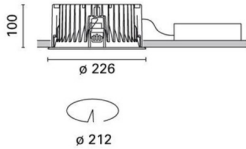
Mounting

ceiling recessed

Wiring

Product complete with DALI electronic components

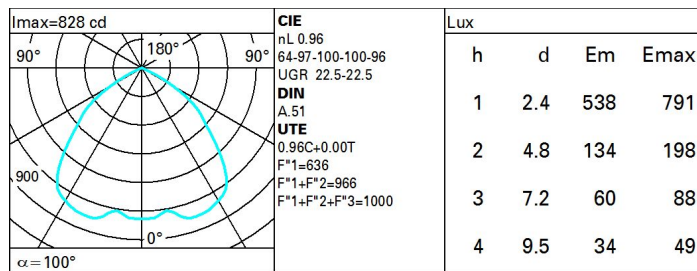
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1920	Colour temperature [K]:	4000
W system:	18.6	MacAdam Step:	3
lm source:	2000	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	16	Lamp code:	LED
Luminous efficiency (lm/W, real value):	103.2	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	96	Control:	DALI
CRI:	80		

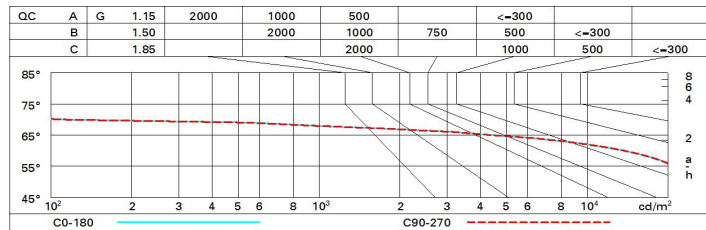
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	62	56	51	61	55	55	49	51
1.0	77	69	64	60	68	63	62	57	59
1.5	86	80	76	72	79	75	74	69	72
2.0	91	87	83	80	85	82	81	77	80
2.5	94	90	87	85	89	86	85	81	84
3.0	96	93	90	88	91	89	87	84	87
4.0	98	95	93	91	93	92	90	86	90
5.0	99	97	95	93	95	93	92	88	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 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	22.7	23.7	23.0	23.9	24.2	22.7	23.7	23.0	23.9	24.2
	3H	22.6	23.5	23.0	23.7	24.0	22.8	23.7	23.2	24.0	24.3
	4H	22.5	23.3	22.9	23.6	23.9	22.8	23.6	23.1	23.9	24.2
	6H	22.5	23.2	22.8	23.5	23.8	22.7	23.4	23.1	23.7	24.1
	8H	22.4	23.1	22.8	23.4	23.8	22.7	23.4	23.0	23.7	24.0
	12H	22.4	23.0	22.8	23.4	23.7	22.6	23.3	23.0	23.6	24.0
4H	2H	22.8	23.6	23.1	23.9	24.2	22.5	23.3	22.9	23.6	23.9
	3H	22.7	23.3	23.1	23.7	24.0	22.6	23.3	23.0	23.6	24.0
	4H	22.6	23.1	23.0	23.5	23.9	22.6	23.1	23.0	23.5	23.9
	6H	22.5	23.0	22.9	23.4	23.8	22.5	23.0	22.9	23.4	23.8
	8H	22.5	22.9	22.9	23.3	23.8	22.5	22.9	22.9	23.3	23.8
	12H	22.4	22.8	22.9	23.2	23.7	22.4	22.8	22.9	23.2	23.7
8H	4H	22.5	22.9	22.9	23.3	23.8	22.5	22.9	22.9	23.3	23.8
	6H	22.4	22.7	22.8	23.2	23.7	22.4	22.7	22.8	23.2	23.7
	8H	22.3	22.6	22.8	23.1	23.6	22.3	22.6	22.8	23.1	23.6
	12H	22.3	22.5	22.8	23.0	23.6	22.3	22.5	22.8	23.0	23.6
12H	4H	22.4	22.8	22.9	23.2	23.7	22.4	22.8	22.9	23.2	23.7
	6H	22.3	22.6	22.8	23.1	23.6	22.3	22.6	22.8	23.1	23.6
	8H	22.3	22.5	22.8	23.0	23.6	22.3	22.5	22.8	23.0	23.6

Variations with the observer position at spacing:			
S =	1.0H	0.5 / -0.7	0.5 / -0.7
	1.5H	1.5 / -5.0	1.5 / -5.0
	2.0H	3.0 / -19.7	3.0 / -19.7