

Last information update: May 2024

Product configuration: MB54

MB54: Round recessed luminaire - D=226 mm H=103 mm - neutral white - electronic ballast, general light optic

**Product code**MB54: Round recessed luminaire - D=226 mm H=103 mm - neutral white - electronic 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 3000 lm LED unit in a neutral white tone 4000K and electronic 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)

1.88

Mounting

ceiling recessed

Wiring

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



On the visible part of the product once installed

Technical data

lm system:	2879	CRI:	80
W system:	26.5	Colour temperature [K]:	4000
lm source:	3000	MacAdam Step:	3
W source:	23	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	108.7	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.) [%]:	96	Number of optical assemblies:	1

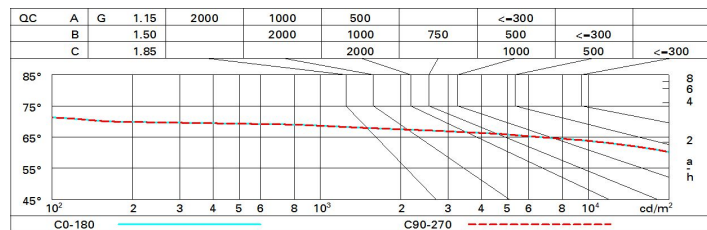
Polar

Imax=1242 cd		CIE		Lux			
				h	d	Em	E _{max}
90°		nL 0.96		1	2.4	806	1187
180°		64-97-100-100-96		2	4.8	202	297
90°		UGR 23.9-23.9		3	7.2	90	132
0°		DIN A.51		4	9.5	50	74
α=100°		UTE 0.96C+0.00T					
		F*1=636					
		F*1+F*2=966					
		F*1+F*2+F*3=1000					

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 3000 lm bare lamp luminous flux)											
Riflect.: ceil/cav 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	0.30
		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
		viewed crosswise					viewed endwise				
2H	2H	24.1	25.1	24.4	25.3	25.0	24.1	25.1	24.4	25.3	25.0
	3H	24.0	24.9	24.4	25.2	25.4	24.3	25.1	24.6	25.4	25.7
	4H	24.0	24.7	24.3	25.0	25.3	24.2	25.0	24.5	25.3	25.6
	6H	23.9	24.6	24.2	24.9	25.2	24.1	24.8	24.5	25.2	25.5
	8H	23.8	24.5	24.2	24.9	25.2	24.1	24.8	24.5	25.1	25.4
	12H	23.8	24.4	24.2	24.8	25.2	24.0	24.7	24.4	25.0	25.4
4H	2H	24.2	25.0	24.5	25.3	25.0	24.0	24.7	24.3	25.0	25.3
	3H	24.1	24.7	24.5	25.1	25.4	24.1	24.7	24.4	25.0	25.4
	4H	24.0	24.6	24.4	24.9	25.3	24.0	24.6	24.4	24.9	25.3
	6H	23.9	24.4	24.3	24.8	25.2	23.9	24.4	24.3	24.8	25.2
	8H	23.9	24.3	24.3	24.7	25.2	23.9	24.3	24.3	24.7	25.2
	12H	23.8	24.2	24.3	24.7	25.1	23.8	24.2	24.3	24.7	25.1
8H	4H	23.9	24.3	24.3	24.7	25.2	23.9	24.3	24.3	24.7	25.2
	6H	23.8	24.1	24.3	24.6	25.1	23.8	24.1	24.3	24.6	25.1
	8H	23.7	24.0	24.2	24.5	25.0	23.7	24.0	24.2	24.5	25.0
	12H	23.7	24.0	24.2	24.4	25.0	23.7	24.0	24.2	24.4	25.0
12H	4H	23.8	24.2	24.3	24.7	25.1	23.8	24.2	24.3	24.7	25.1
	6H	23.7	24.0	24.2	24.5	25.0	23.7	24.0	24.2	24.5	25.0
	8H	23.7	24.0	24.2	24.4	25.0	23.7	24.0	24.2	24.4	25.0
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				