

Last information update: May 2024

**Product configuration: MB61**

MB61: Round recessed luminaire - D=226 mm H=103 mm - LED warm white - INVERTER - general light optic

**Product code**MB61: Round recessed luminaire - D=226 mm H=103 mm - LED warm white - INVERTER - 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 LED unit with INVERTER in a warm white tone 3000K 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)

**Mounting**

ceiling recessed

**Wiring**

product complete with electronic components with INVERTER

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed



pending

**Technical data**

lm system:	1920	CRI (minimum):	80
W system:	21	Colour temperature [K]:	3000
lm source:	2000	MacAdam Step:	3
W source:	18	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	91.4	Lamp code:	LED
lm in emergency mode:	424	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

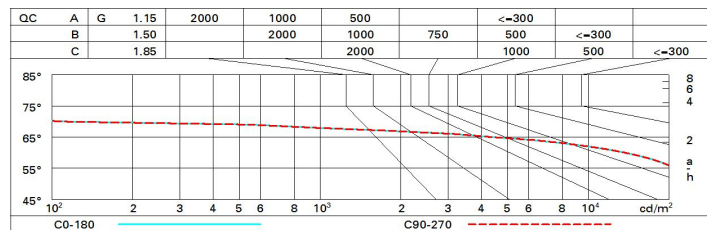
**Polar**

<p>Imax=828 cd α=100°</p>	<b>CIE</b> nL 0.96 64-97-100-100-96 UGR 22.5-22.5 <b>DIN</b> A.51 <b>UTE</b> 0.96C+0.00T F*1=636 F*1+F*2=966 F*1+F*2+F*3=1000				Lux			
	h	d	Em	Emax	h	d	Em	Emax
	1	2.4	538	791				
	2	4.8	134	198				
	3	7.2	60	88				
	4	9.5	34	49				

# 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.: ceiling/cav 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	22.7	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				