

Last information update: May 2024

**Product configuration: MB75**

MB75: Round recessed luminaire - D=226 mm H=103 mm - LED warm white - electronic ballast - general light optic with controlled luminance UGR&lt;19

**Product code**MB75: Round recessed luminaire - D=226 mm H=103 mm - LED warm white - electronic ballast - general light optic with controlled luminance UGR<19 **Attention! Code no longer in production****Technical description**

Recessed fixed round luminaire designed to use a LED lamp. Version with rim for surface-mounting. 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 in a warm white tone 3000K and electronic driver separate from the luminaire. Light distribution UGR<19 with controlled luminance.

**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)**

1.75

**Mounting**

ceiling recessed

**Wiring**

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



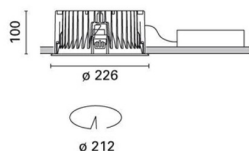
IP20

IP23

On the visible part of the product once installed



pending

**Technical data**

lm system:	1839	CRI:	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):	87.6	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.) [%]:	92	Number of optical assemblies:	1

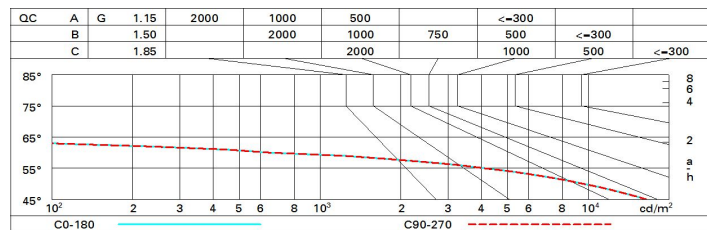
**Polar**

Imax=1588 cd		CIE		Lux			
				h	d	Em	E <sub>max</sub>
90°		nL 0.92		1	1.3	1159	1588
		86-100-100-100-92		2	2.6	290	397
		UGR 17.4-17.4		3	3.9	129	176
		DIN A.61		4	5.2	72	99
		UTE 0.92A+0.00T					
		F*1=856					
		F*1+F*2=999					
		F*1+F*2+F*3=1000					
		CIBSE LG3 L<1500 cd/m² at 65°					
		UGR<19   L<1500 cd/mq @65°					
α=66°							

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	71	67	64	70	67	66	62	68
1.0	82	77	73	70	75	72	72	68	74
1.5	88	84	81	78	83	80	79	76	82
2.0	91	89	86	84	87	85	84	81	88
2.5	93	91	89	88	90	88	87	84	91
3.0	95	93	92	90	91	90	89	86	94
4.0	96	95	94	93	93	92	91	88	96
5.0	97	96	95	94	94	93	92	89	97

# 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	17.9	18.6	18.2	18.9	19.1	17.9	18.6	18.2	18.9	19.1
	3H	17.8	18.4	18.1	18.7	19.0	17.8	18.4	18.1	18.7	19.0
	4H	17.7	18.3	18.0	18.6	18.9	17.7	18.3	18.1	18.6	18.9
	6H	17.6	18.2	18.0	18.5	18.8	17.6	18.2	18.0	18.5	18.8
	8H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.5	18.8
	12H	17.6	18.1	17.9	18.4	18.7	17.6	18.1	18.0	18.4	18.8
4H	2H	17.7	18.3	18.1	18.6	18.9	17.7	18.3	18.0	18.6	18.9
	3H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.4	18.8
	4H	17.5	17.9	17.9	18.3	18.7	17.5	17.9	17.9	18.3	18.7
	6H	17.4	17.8	17.8	18.2	18.6	17.4	17.8	17.8	18.2	18.6
	8H	17.4	17.7	17.8	18.1	18.6	17.4	17.7	17.8	18.1	18.6
	12H	17.3	17.6	17.8	18.1	18.5	17.3	17.6	17.8	18.1	18.5
8H	4H	17.4	17.7	17.8	18.1	18.6	17.4	17.7	17.8	18.1	18.6
	6H	17.3	17.6	17.7	18.0	18.5	17.3	17.6	17.7	18.0	18.5
	8H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	12H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
12H	4H	17.3	17.6	17.8	18.1	18.5	17.3	17.6	17.8	18.1	18.5
	6H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	8H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
Variations with the observer position at spacing:											
S =	1.0H	2.2 / -7.0					2.2 / -7.0				
	1.5H	4.6 / -30.0					4.6 / -30.0				
	2.0H	6.6 / -35.0					6.6 / -35.0				