

Last information update: April 2018



Round recessed luminaire - D=226 mm H=103 mm - LED warm white - electronic ballast - general light optic with controlled luminance UGR<19

Product code
MB75

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.

Dimension (mm)
Ø226x100

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



Product configuration: MB75

Product characteristics

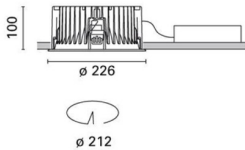
Total lighting output [Lm]: 1839.2
Total power [W]: 21
Luminous efficacy [Lm/W]: 87.6
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

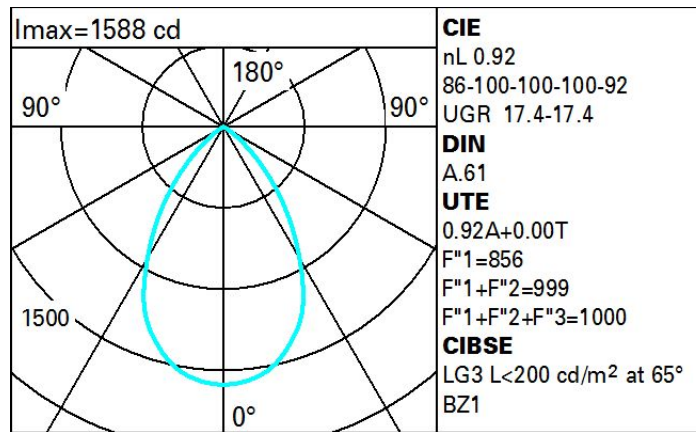
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 92
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 18
Nominal luminous [Lm]: 2000
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3



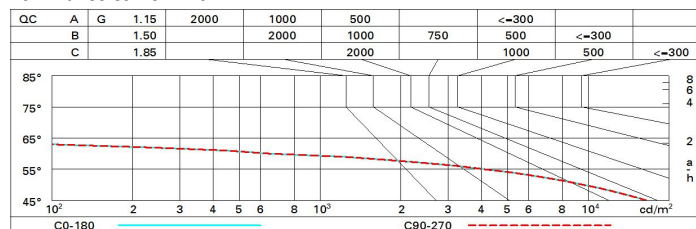
Polar



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		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	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	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					