

Last information update: May 2018



**Round recessed luminaire D = 226 mm H 103 mm neutral white LED with electronic ballast and general light optic**

**Product code**  
MC04

**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 LED unit in a neutral white tone 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

**Dimension (mm)**

Ø226x100

**Colour**

White/Aluminium (39)

**Weight (Kg)**

1.97

**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: MC04**

**Product characteristics**

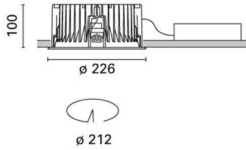
Total lighting output [Lm]: 4049  
Total power [W]: 35.3  
Luminous efficacy [Lm/W]: 114.7  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

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

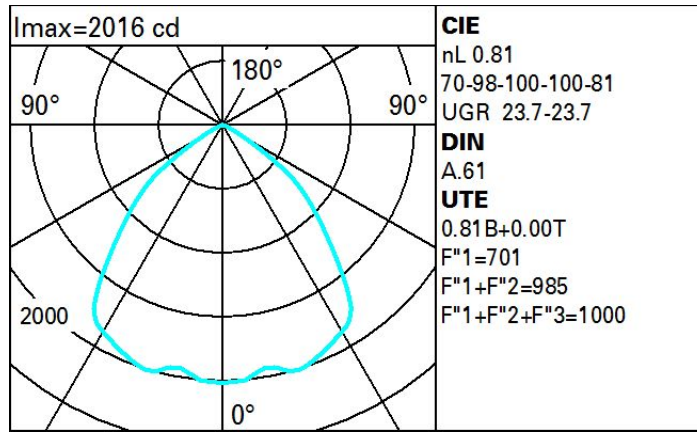
**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 81  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 32  
Nominal luminous [Lm]: 5000  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 3.3  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 2



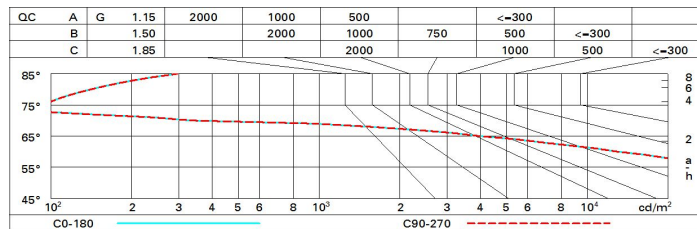
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	62	55	51	47	54	50	50	45	56
1.0	67	61	57	54	60	56	56	52	64
1.5	74	70	66	64	69	66	65	61	75
2.0	78	75	72	70	73	71	70	67	82
2.5	80	78	75	73	76	74	73	70	87
3.0	82	79	78	76	78	76	75	72	89
4.0	83	81	80	78	80	78	77	74	92
5.0	84	82	81	80	81	80	78	75	93

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 5000 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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	24.1	25.0	24.4	25.2	25.5	24.1	25.0	24.4	25.2	25.5
	3H	24.0	24.7	24.3	25.0	25.3	24.1	24.9	24.4	25.1	25.4
	4H	23.9	24.6	24.2	24.9	25.2	24.0	24.7	24.4	25.0	25.3
	6H	23.8	24.5	24.2	24.8	25.1	23.9	24.6	24.3	24.9	25.2
	8H	23.8	24.4	24.2	24.7	25.1	23.9	24.5	24.3	24.9	25.2
	12H	23.7	24.3	24.1	24.7	25.0	23.9	24.5	24.3	24.8	25.2
4H	2H	24.0	24.7	24.4	25.0	25.3	23.9	24.6	24.2	24.9	25.2
	3H	23.9	24.5	24.3	24.8	25.2	23.9	24.5	24.3	24.8	25.2
	4H	23.8	24.3	24.2	24.7	25.1	23.8	24.3	24.2	24.7	25.1
	6H	23.7	24.2	24.1	24.6	25.0	23.7	24.2	24.1	24.6	25.0
	8H	23.7	24.1	24.1	24.5	24.9	23.7	24.1	24.1	24.5	24.9
	12H	23.6	24.0	24.1	24.4	24.9	23.6	24.0	24.1	24.4	24.9
8H	4H	23.7	24.1	24.1	24.5	24.9	23.7	24.1	24.1	24.5	24.9
	6H	23.6	23.9	24.1	24.4	24.8	23.6	23.9	24.1	24.4	24.8
	8H	23.5	23.8	24.0	24.3	24.8	23.5	23.8	24.0	24.3	24.8
	12H	23.5	23.7	24.0	24.2	24.7	23.5	23.7	24.0	24.2	24.7
12H	4H	23.6	24.0	24.1	24.4	24.9	23.6	24.0	24.1	24.4	24.9
	6H	23.5	23.8	24.0	24.3	24.8	23.5	23.8	24.0	24.3	24.8
	8H	23.5	23.7	24.0	24.2	24.7	23.5	23.7	24.0	24.2	24.7
Variations with the observer position at spacing:											
S =	1.0H	0.7 / -1.9		0.7 / -1.9							
	1.5H	2.4 / -10.0		2.4 / -10.0							
	2.0H	4.3 / -20.0		4.3 / -20.0							