

Last information update: April 2018

**Round recessed luminaire - D=226 mm H=103 mm - LED warm white - DALI ballast - general light optic****Product code**

MC39

**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 DALI LED unit in a warm white tone 3000K with IRC90 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.

**Dimension (mm)**

Ø226x100

**Colour**

White/Aluminium (39)

**Weight (Kg)**

2.15

**Mounting**

ceiling recessed

**Wiring**

Product complete with DALI electronic components

Complies with EN60598-1 and pertinent regulations



IP20

**Product configuration: MC39****Product characteristics**

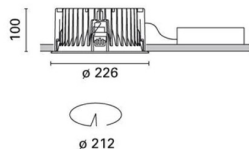
Total lighting output [Lm]: 1910  
 Total power [W]: 25  
 Luminous efficacy [Lm/W]: 76.4  
 Life Time: 50,000h - L80 - B20 (Ta 25 °C)

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

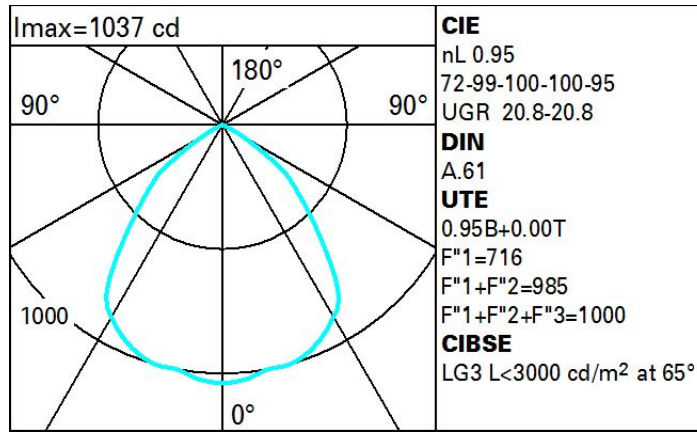
**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 95  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 21  
 Nominal luminous [Lm]: 2000  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: /

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 4  
 Colour temperature [K]: 3000  
 CRI: 90  
 Wavelength [Nm]: /  
 MacAdam Step: 3



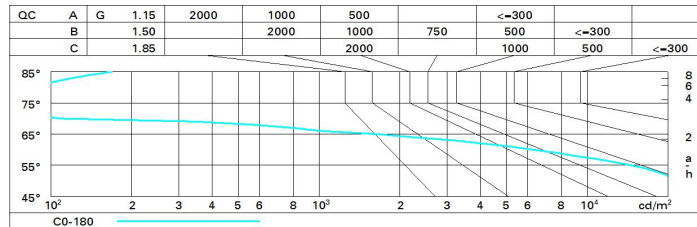
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	66	61	57	65	60	59	55	57
1.0	80	73	68	64	72	67	67	62	65
1.5	88	83	79	76	81	78	77	73	76
2.0	92	88	85	83	87	84	83	79	83
2.5	95	92	89	87	90	88	87	83	87
3.0	96	94	92	90	92	90	89	86	90
4.0	98	96	94	93	94	93	91	88	92
5.0	99	97	96	94	95	94	92	89	93

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 2000 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	21.2	22.1	21.5	22.3	22.5	21.2	22.1	21.5	22.3	22.5
	3H	21.1	21.8	21.4	22.1	22.4	21.2	21.9	21.5	22.2	22.5
	4H	21.0	21.7	21.3	22.0	22.3	21.1	21.8	21.5	22.1	22.4
	6H	20.9	21.5	21.3	21.9	22.2	21.1	21.7	21.4	22.0	22.3
	8H	20.9	21.5	21.3	21.8	22.2	21.0	21.6	21.4	22.0	22.3
	12H	20.8	21.4	21.2	21.8	22.1	21.0	21.6	21.4	21.9	22.3
4H	2H	21.1	21.8	21.5	22.1	22.4	21.0	21.7	21.3	22.0	22.3
	3H	21.0	21.6	21.4	21.9	22.3	21.0	21.6	21.4	21.9	22.3
	4H	20.9	21.4	21.3	21.8	22.2	20.9	21.4	21.3	21.8	22.2
	6H	20.8	21.3	21.2	21.7	22.1	20.8	21.3	21.2	21.7	22.1
	8H	20.8	21.2	21.2	21.6	22.0	20.8	21.2	21.2	21.6	22.0
	12H	20.7	21.1	21.2	21.5	22.0	20.7	21.1	21.2	21.5	22.0
8H	4H	20.8	21.2	21.2	21.6	22.0	20.8	21.2	21.2	21.6	22.0
	6H	20.7	21.0	21.2	21.5	21.9	20.7	21.0	21.2	21.5	21.9
	8H	20.6	20.9	21.1	21.4	21.9	20.6	20.9	21.1	21.4	21.9
	12H	20.6	20.8	21.1	21.3	21.8	20.6	20.8	21.1	21.3	21.8
12H	4H	20.7	21.1	21.2	21.5	22.0	20.7	21.1	21.2	21.5	22.0
	6H	20.6	20.9	21.1	21.4	21.9	20.6	20.9	21.1	21.4	21.9
	8H	20.6	20.8	21.1	21.3	21.8	20.6	20.8	21.1	21.3	21.8
Variations with the observer position at spacing:											
S =	1.0H	0.6 / -1.8					0.6 / -1.8				
	1.5H	2.3 / -10.0					2.3 / -10.0				
	2.0H	4.2 / -21.2					4.2 / -21.2				