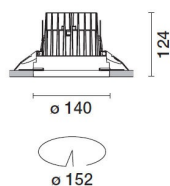
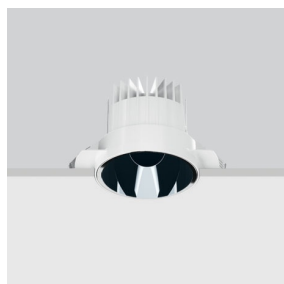


Last information update: May 2018

**Fixed circular recessed luminaire - Ø153 mm - neutral white - medium optic - UGR<19****Product code**

MV68

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version without rim for mounting flush with ceiling. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° medium optic.

Installation

Installation flush with the ceiling is for false ceilings 12.5 mm thick

Dimension (mm)

Ø140x124

Colour

Aluminium (12)

Weight (Kg)

1.32

Mounting

ceiling recessed

Wiring

product complete with an electronic ballast

Complies with EN60598-1 and pertinent regulations



IP20



IP43

On the visible part of the product once installed

**Product configuration: MV68****Product characteristics**

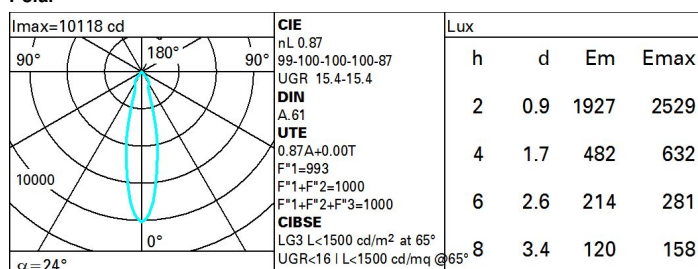
Total lighting output [Lm]: 2603
Total power [W]: 23.7
Luminous efficacy [Lm/W]: 109.8
Life Time: 50,000h - L80 - B10 (Ta 25°C)

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.) [%]: 87
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 21
Nominal luminous [Lm]: 3000
Lamp maximum intensity [cd]: /
Beam angle [°]: 24°

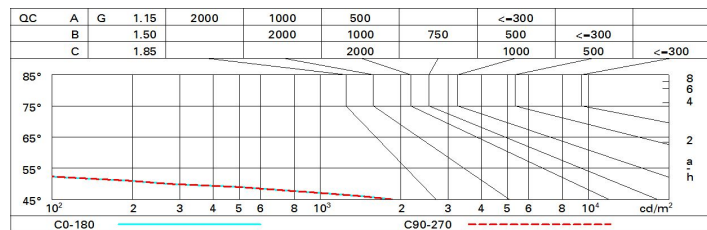
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.7
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	78	74	71	69	73	71	70	68	78
1.0	82	78	75	73	77	75	74	72	83
1.5	86	83	81	79	82	80	79	77	88
2.0	88	86	85	83	85	84	83	80	93
2.5	90	89	87	86	87	86	85	83	96
3.0	91	90	89	88	89	88	87	85	98
4.0	92	91	91	90	90	89	88	86	99
5.0	93	92	92	91	91	90	89	87	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:											
ceiling		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	16.3	18.1	16.7	18.4	18.7	16.3	18.1	16.7	18.4	18.7
	3H	16.2	17.5	16.6	17.8	18.1	16.2	17.5	16.6	17.8	18.1
	4H	16.1	17.3	16.5	17.6	17.9	16.1	17.3	16.5	17.6	17.9
	6H	16.0	17.1	16.4	17.5	17.8	16.0	17.1	16.4	17.5	17.8
	8H	16.0	17.0	16.4	17.4	17.8	16.0	17.0	16.4	17.4	17.8
	12H	15.9	17.0	16.3	17.3	17.7	15.9	17.0	16.3	17.3	17.7
4H	2H	16.1	17.3	16.5	17.6	17.9	16.1	17.3	16.5	17.6	17.9
	3H	15.9	17.0	16.3	17.3	17.7	15.9	17.0	16.3	17.3	17.7
	4H	15.8	16.8	16.2	17.2	17.6	15.8	16.8	16.2	17.2	17.6
	6H	15.6	16.9	16.0	17.3	17.8	15.6	16.9	16.0	17.3	17.8
	8H	15.4	16.9	15.9	17.4	17.9	15.4	16.9	15.9	17.4	17.9
	12H	15.3	17.0	15.8	17.4	17.9	15.3	17.0	15.8	17.4	17.9
8H	4H	15.4	16.9	15.9	17.4	17.9	15.4	16.9	15.9	17.4	17.9
	6H	15.3	16.8	15.8	17.3	17.8	15.3	16.8	15.8	17.3	17.8
	8H	15.3	16.6	15.8	17.1	17.6	15.3	16.6	15.8	17.1	17.6
	12H	15.3	16.3	15.9	16.8	17.4	15.3	16.3	15.9	16.8	17.4
12H	4H	15.3	17.0	15.8	17.4	17.9	15.3	17.0	15.8	17.4	17.9
	6H	15.3	16.6	15.8	17.1	17.6	15.3	16.6	15.8	17.1	17.6
	8H	15.3	16.3	15.9	16.8	17.4	15.3	16.3	15.9	16.8	17.4
Variations with the observer position at spacing:											
S =		1.0H					5.1 / -31.3				
		1.5H					7.9 / -31.6				
		2.0H					9.9 / -31.8				