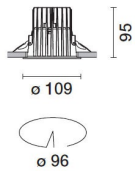


Last information update: May 2025

Product configuration: MV94.Y

MV94.Y: Fixed circular recessed luminaire - Ø 96 mm - warm white - medium optic - UGR<19

**Product code**

MV94.Y: Fixed circular recessed luminaire - Ø 96 mm - warm white - medium optic - UGR<19

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. 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 LED lamp in warm white colour tone CRI 90 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° medium optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Colour

White / Aluminium (39)

Weight (Kg)

0.65

Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations



IP20

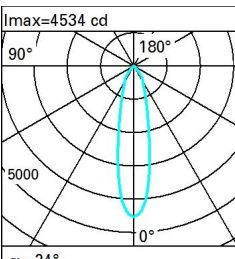
IP54

On the visible part of the product once installed

**Technical data**

lm system:	1457	CRI (minimum):	90
W system:	17.1	Colour temperature [K]:	3000
lm source:	2000	MacAdam Step:	2
W source:	15	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	85.2	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.) [%]:	73	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2

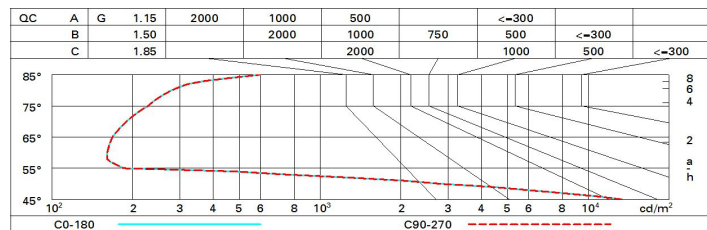
Polar

 <p>Imax=4534 cd</p> <p>90° 180° 90°</p> <p>5000</p> <p>0°</p> <p>α=24°</p>	CIE nL 0.73 97-100-100-100-73 UGR 17.2-17.2 DIN A.61 UTE 0.73A+0.00T F*1=973 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @65°	Lux			
	h	d	Em	E _{max}	
	2	0.9	883	1133	
	4	1.7	221	283	
	6	2.6	98	126	
	8	3.4	55	71	

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	61	59	57	61	58	58	56	77
1.0	68	65	62	61	64	62	62	59	81
1.5	72	69	67	66	68	67	66	64	88
2.0	74	72	71	70	71	70	69	67	92
2.5	75	74	73	72	73	72	71	69	95
3.0	76	75	75	74	74	73	73	71	97
4.0	77	76	76	75	75	75	74	72	99
5.0	78	77	77	76	76	76	74	73	100

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	18.0	19.7	18.4	20.0	20.3	18.0	19.7	18.4	20.0	20.3
	3H	17.9	19.2	18.3	19.5	19.8	17.9	19.2	18.3	19.5	19.8
	4H	17.8	19.0	18.2	19.3	19.6	17.8	19.0	18.2	19.3	19.6
	6H	17.7	18.9	18.1	19.2	19.6	17.7	18.9	18.1	19.2	19.6
	8H	17.6	18.8	18.0	19.1	19.5	17.6	18.8	18.0	19.1	19.5
	12H	17.6	18.7	18.0	19.1	19.5	17.6	18.7	18.0	19.1	19.5
4H	2H	17.8	19.0	18.2	19.3	19.6	17.8	19.0	18.2	19.3	19.6
	3H	17.6	18.7	18.0	19.1	19.5	17.6	18.7	18.0	19.1	19.5
	4H	17.5	18.5	17.9	18.9	19.3	17.5	18.5	17.9	18.9	19.3
	6H	17.3	18.6	17.7	19.0	19.5	17.3	18.6	17.7	19.0	19.5
	8H	17.2	18.6	17.6	19.0	19.5	17.2	18.6	17.6	19.0	19.5
	12H	17.0	18.6	17.5	19.1	19.6	17.0	18.6	17.5	19.1	19.6
8H	4H	17.2	18.6	17.6	19.0	19.5	17.2	18.6	17.6	19.0	19.5
	6H	17.0	18.5	17.5	18.9	19.5	17.0	18.5	17.5	18.9	19.5
	8H	17.0	18.3	17.5	18.8	19.3	17.0	18.3	17.5	18.8	19.3
	12H	17.1	18.0	17.6	18.5	19.0	17.1	18.0	17.6	18.5	19.0
12H	4H	17.0	18.6	17.5	19.1	19.6	17.0	18.6	17.5	19.1	19.6
	6H	17.0	18.3	17.5	18.8	19.3	17.0	18.3	17.5	18.8	19.3
	8H	17.1	18.0	17.6	18.5	19.0	17.1	18.0	17.6	18.5	19.0
Variations with the observer position at spacing:											
S =	1.0H	4.4 / -22.6					4.4 / -22.6				
	1.5H	7.2 / -22.8					7.2 / -22.8				
	2.0H	9.2 / -23.1					9.2 / -23.1				