

Last information update: April 2025

Product configuration: MV84

MV84: Fixed circular recessed luminaire - Ø 75 mm - warm white - flood optic - UGR<19



Product code

MV84: Fixed circular recessed luminaire - Ø 75 mm - warm white - flood 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 CRI90 (2700K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° flood optic.

Installation

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

Weight (Kg)

0.41

Mounting

ceiling recessed

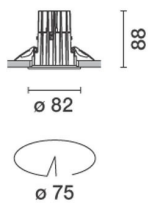
Wiring

product complete with DALI components

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	856	CRI (minimum):	90
W system:	10.7	Colour temperature [K]:	2700
Im source:	1100	MacAdam Step:	2
W source:	8.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	80	Lamp code:	LED
Im 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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	28°	Control:	DALI

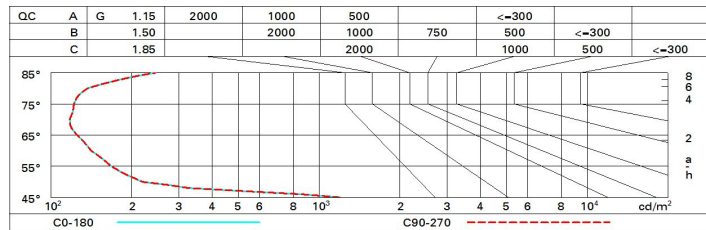
Polar

<p>Imax=2535 cd α=28°</p>	<p>CIE nL 0.78 100-100-100-100-78 UGR 11.4-11.4</p> <p>DIN A.61</p> <p>UTE 0.78A+0.00T F*1=996 F*1+F*2=1000 F*1+F*2+F*3=1000</p> <p>CIBSE LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @65°</p>	<p>Lux</p> <table border="1"> <thead> <tr> <th>h</th> <th>d</th> <th>Em</th> <th>Emax</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>510</td> <td>634</td> </tr> <tr> <td>4</td> <td>2</td> <td>128</td> <td>158</td> </tr> <tr> <td>6</td> <td>3</td> <td>57</td> <td>70</td> </tr> <tr> <td>8</td> <td>4</td> <td>32</td> <td>40</td> </tr> </tbody> </table>	h	d	Em	Emax	2	1	510	634	4	2	128	158	6	3	57	70	8	4	32	40
	h	d	Em	Emax																		
	2	1	510	634																		
	4	2	128	158																		
	6	3	57	70																		
8	4	32	40																			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	64	63	61	78
1.0	73	70	68	66	69	67	67	64	83
1.5	77	75	73	71	74	72	71	69	89
2.0	79	78	76	75	76	75	74	72	93
2.5	81	79	78	78	78	77	77	74	96
3.0	82	81	80	79	80	79	78	76	98
4.0	83	82	82	81	81	80	79	77	99
5.0	83	83	82	82	81	81	80	78	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1100 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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	12.3	14.3	12.7	14.0	14.9	12.3	14.3	12.7	14.0	14.9
	3H	12.1	13.7	12.5	14.0	14.4	12.1	13.7	12.5	14.0	14.4
	4H	12.1	13.5	12.4	13.8	14.1	12.1	13.5	12.4	13.8	14.1
	6H	12.0	13.2	12.4	13.6	13.9	12.0	13.2	12.4	13.6	13.9
	8H	11.9	13.1	12.3	13.5	13.9	11.9	13.1	12.3	13.5	13.9
	12H	11.9	13.1	12.3	13.4	13.8	11.9	13.1	12.3	13.4	13.8
4H	2H	12.1	13.5	12.4	13.8	14.1	12.1	13.5	12.4	13.8	14.1
	3H	11.9	13.1	12.3	13.4	13.8	11.9	13.1	12.3	13.4	13.8
	4H	11.8	12.9	12.2	13.2	13.7	11.8	12.9	12.2	13.2	13.7
	6H	11.5	13.0	12.0	13.5	13.9	11.5	13.0	12.0	13.5	13.9
	8H	11.4	13.1	11.9	13.5	14.0	11.4	13.1	11.9	13.5	14.0
	12H	11.2	13.1	11.7	13.6	14.1	11.2	13.1	11.7	13.6	14.1
8H	4H	11.4	13.1	11.9	13.5	14.0	11.4	13.1	11.9	13.5	14.0
	6H	11.2	12.9	11.7	13.4	13.9	11.2	12.9	11.7	13.4	13.9
	8H	11.2	12.7	11.7	13.2	13.8	11.2	12.7	11.7	13.2	13.8
	12H	11.4	12.3	11.9	12.8	13.3	11.4	12.3	11.9	12.8	13.3
12H	4H	11.2	13.1	11.7	13.6	14.1	11.2	13.1	11.7	13.6	14.1
	6H	11.2	12.7	11.7	13.2	13.8	11.2	12.7	11.7	13.2	13.8
	8H	11.4	12.3	11.9	12.8	13.3	11.4	12.3	11.9	12.8	13.3
Variations with the observer position at spacing:											
S =	1.0H	6.3 / -21.8					6.3 / -21.8				
	1.5H	9.1 / -22.1					9.1 / -22.1				
	2.0H	11.1 / -22.3					11.1 / -22.3				