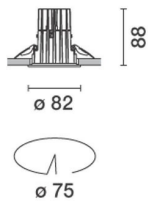


Last information update: May 2025

Product configuration: MV83.Y

MV83.Y: Fixed circular recessed luminaire - Ø 75 mm - warm white - wide flood optic - UGR<19

**Product code**

MV83.Y: Fixed circular recessed luminaire - Ø 75 mm - warm white - wide 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 (3,000K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° wide flood 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)

0.41

Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1066	CRI (minimum):	90
W system:	12.3	Colour temperature [K]:	3000
lm source:	1350	MacAdam Step:	2
W source:	10	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	86.6	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	52°	Control:	DALI-2

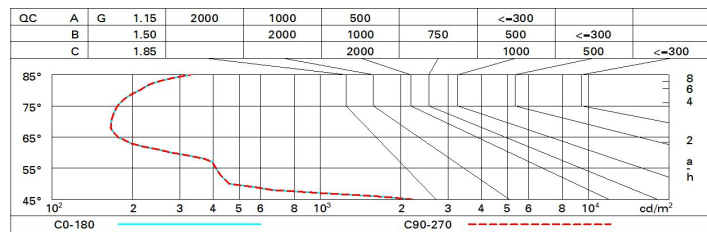
Polar

Imax=1526 cd		CIE		Lux			
90°	180°	nL 0.79		h	d	Em	Emax
		99-100-100-100-79		1	1	1197	1526
		UGR 16.3-16.3		2	2	299	382
		DIN A.61		3	2.9	133	170
		UTE 0.79A+0.00T		4	3.9	75	95
		F*1=994					
		F*1+F*2=1000					
		F*1+F*2+F*3=1000					
		CIBSE LG3 L<1500 cd/m ² at 65°					
		UGR<19 L<1500 cd/mq @ 65°					
α=52°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	75	74	72	75	73	72	70	88
2.0	80	79	77	76	78	76	75	73	93
2.5	82	81	79	79	79	78	78	75	96
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	83	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1350 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	16.9	17.5	17.2	17.7	17.9	16.9	17.5	17.2	17.7	17.9
	3H	16.7	17.3	17.1	17.5	17.8	16.7	17.3	17.1	17.5	17.8
	4H	16.7	17.2	17.0	17.4	17.7	16.7	17.2	17.0	17.4	17.7
	6H	16.6	17.0	16.9	17.4	17.7	16.6	17.0	16.9	17.4	17.7
	8H	16.6	17.0	16.9	17.3	17.6	16.6	17.0	16.9	17.3	17.6
	12H	16.5	16.9	16.9	17.3	17.6	16.5	16.9	16.9	17.3	17.6
4H	2H	16.7	17.2	17.0	17.4	17.7	16.7	17.2	17.0	17.4	17.7
	3H	16.5	16.9	16.9	17.3	17.6	16.5	16.9	16.9	17.3	17.6
	4H	16.4	16.8	16.8	17.2	17.5	16.4	16.8	16.8	17.2	17.5
	6H	16.3	16.7	16.8	17.1	17.5	16.3	16.7	16.8	17.1	17.5
	8H	16.3	16.6	16.7	17.0	17.4	16.3	16.6	16.7	17.0	17.4
	12H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
8H	4H	16.3	16.6	16.7	17.0	17.4	16.3	16.6	16.7	17.0	17.4
	6H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
	12H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
12H	4H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
	6H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
Variations with the observer position at spacing:											
S =	1.0H	6.0 / -23.7					6.0 / -23.7				
	1.5H	8.8 / -24.6					8.8 / -24.6				
	2.0H	10.8 / -25.0					10.8 / -25.0				