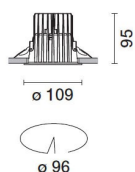


Last information update: May 2024

**Product configuration: MV88**

MV88: Fixed circular recessed luminaire - Ø 96 mm - warm white - medium optic - UGR&lt;19

**Product code**MV88: Fixed circular recessed luminaire - Ø 96 mm - warm white - medium optic - UGR<19 **Attention! Code no longer in production****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 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m<sup>2</sup> 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 an electronic ballast

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1093	CRI (minimum):	80
W system:	11.6	Colour temperature [K]:	3000
lm source:	1500	MacAdam Step:	2
W source:	9.3	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	94.2	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°		

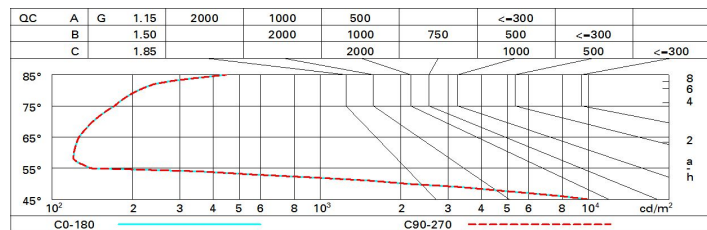
**Polar**

Imax=3400 cd		CIE		Lux			
90°	180°	90°	0°	h	d	Em	Emax
		nL 0.73		2	0.9	662	850
		97-100-100-100-73		4	1.7	166	213
		UGR 16.2-16.2		6	2.6	74	94
		DIN A.61		8	3.4	41	53
		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 <sup>2</sup> at 65°					
		UGR<19   L<1500 cd/mq @ 65°					
α=24°							

# 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 1500 lm bare lamp luminous flux)											
Reflect.: ceiling 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	17.0	18.7	17.4	19.0	19.3	17.0	18.7	17.4	19.0	19.3
	3H	16.9	18.2	17.3	18.5	18.8	16.9	18.2	17.3	18.5	18.8
	4H	16.8	18.0	17.2	18.3	18.6	16.8	18.0	17.2	18.3	18.6
	6H	16.7	17.9	17.1	18.2	18.6	16.7	17.9	17.1	18.2	18.6
	8H	16.7	17.8	17.1	18.1	18.5	16.6	17.8	17.0	18.1	18.5
	12H	16.6	17.7	17.0	18.1	18.5	16.6	17.7	17.0	18.1	18.5
4H	2H	16.8	18.0	17.2	18.3	18.6	16.8	18.0	17.2	18.3	18.6
	3H	16.6	17.7	17.0	18.1	18.5	16.6	17.7	17.0	18.1	18.5
	4H	16.5	17.5	16.9	17.9	18.3	16.5	17.5	16.9	17.9	18.3
	6H	16.3	17.6	16.7	18.0	18.5	16.3	17.6	16.7	18.0	18.5
	8H	16.2	17.6	16.6	18.0	18.5	16.2	17.6	16.6	18.0	18.5
	12H	16.0	17.6	16.5	18.1	18.6	16.0	17.6	16.5	18.1	18.6
8H	4H	16.2	17.6	16.6	18.0	18.5	16.2	17.6	16.6	18.0	18.5
	6H	16.0	17.5	16.5	17.9	18.5	16.0	17.5	16.5	17.9	18.5
	8H	16.0	17.3	16.5	17.8	18.3	16.0	17.3	16.5	17.8	18.3
	12H	16.1	17.0	16.6	17.5	18.0	16.1	17.0	16.6	17.5	18.0
12H	4H	16.0	17.6	16.5	18.1	18.6	16.0	17.6	16.5	18.1	18.6
	6H	16.0	17.3	16.5	17.8	18.3	16.0	17.3	16.5	17.8	18.3
	8H	16.1	17.0	16.6	17.5	18.0	16.1	17.0	16.6	17.5	18.0
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				