

Product configuration: MM80.83

Product code

Technical description

Installation

Colour

Weight (Kg)

0.65

Mounting

meaning
wall recessed|ceiling recessed

Wiring

on control gear box with quick-coupling connections

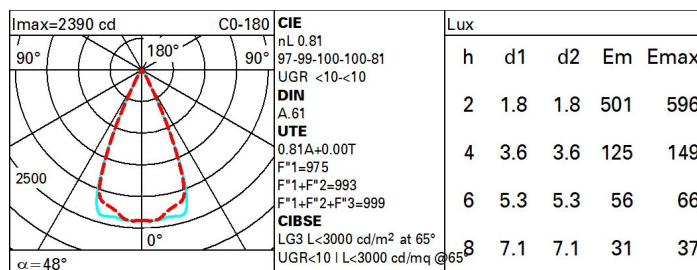
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1377	CRI (typical):	97
W system:	24.5	Colour temperature [K]:	2700
lm source:	1700	MacAdam Step:	3
W source:	21	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	56.2	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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	48°	Control:	DALI-2
CRI (minimum):	95		

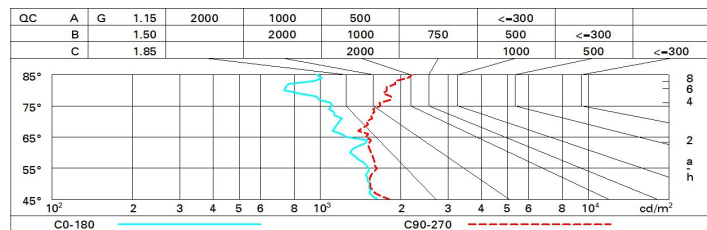
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	66	63	68	65	65	62	77
1.0	76	72	69	68	71	69	69	66	81
1.5	80	77	75	73	76	74	73	71	87
2.0	82	80	79	77	79	78	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	82	81	79	97
4.0	86	85	84	84	84	83	82	80	99
5.0	86	86	85	85	84	84	83	81	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1700 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	8.1	8.6	8.3	8.8	9.0	8.7	9.2	8.9	9.4	9.6
	3H	8.2	8.7	8.5	9.0	9.2	8.7	9.2	9.0	9.4	9.7
	4H	8.3	8.7	8.6	9.0	9.3	8.7	9.1	9.0	9.4	9.7
	6H	8.3	8.7	8.7	9.1	9.4	8.7	9.1	9.0	9.4	9.7
	8H	8.3	8.7	8.7	9.0	9.4	8.6	9.0	9.0	9.3	9.7
	12H	8.3	8.7	8.7	9.0	9.4	8.6	9.0	9.0	9.3	9.7
4H	2H	8.2	8.6	8.5	8.9	9.2	9.1	9.5	9.4	9.8	10.1
	3H	8.5	8.8	8.8	9.2	9.5	9.4	9.8	9.8	10.1	10.5
	4H	8.6	9.0	9.0	9.3	9.7	9.5	9.8	9.9	10.2	10.6
	6H	8.7	9.0	9.1	9.4	9.8	9.6	9.8	10.0	10.2	10.7
	8H	8.7	9.0	9.2	9.4	9.8	9.5	9.8	10.0	10.2	10.7
	12H	8.7	9.0	9.2	9.4	9.9	9.5	9.7	10.0	10.2	10.6
8H	4H	8.7	9.0	9.1	9.4	9.8	10.0	10.2	10.4	10.6	11.1
	6H	8.9	9.1	9.3	9.5	10.0	10.1	10.4	10.6	10.8	11.3
	8H	8.9	9.1	9.4	9.5	10.0	10.2	10.4	10.7	10.9	11.3
	12H	8.9	9.1	9.4	9.6	10.1	10.2	10.4	10.7	10.8	11.4
12H	4H	8.7	8.9	9.2	9.4	9.8	10.1	10.4	10.6	10.8	11.2
	6H	8.9	9.0	9.3	9.5	10.0	10.4	10.5	10.8	11.0	11.5
	8H	8.9	9.1	9.4	9.5	10.1	10.5	10.6	11.0	11.1	11.6
Variations with the observer position at spacing:											
S =	1.0H	2.6 / -2.5					1.7 / -1.7				
	1.5H	4.5 / -2.8					3.2 / -2.0				
	2.0H	6.3 / -3.6					4.8 / -2.4				