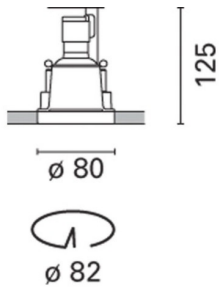


Last information update: June 2023

Product configuration: M945

M945: medium body, Minimal installation 6 LEDwarm white medium

**Product code**M945: medium body, Minimal installation 6 LEDwarm white medium **Attention! Code no longer in production****Technical description**

Fixed round recessed luminaire designed to use a 6X2W LED lamp in warm white (3100°K) with medium optic. Flush-mounting recessed item without rim consists of a die-cast aluminium ring for fixing the recessed luminaire to false ceilings made of plasterboard 12.5 mm thick. The upper part is a heat sink which helps to carry away the heat given off by the lamp. LED optics with a single lens made of thermoplastic material. Lamp set back 40 mm for greater visual comfort

Installation

Installation flush with the ceiling is for false ceilings 12.5 mm thick

Colour

White (01) | Grey (15)

Mounting

wall recessed|ceiling recessed

Wiring

product complete with electronic components

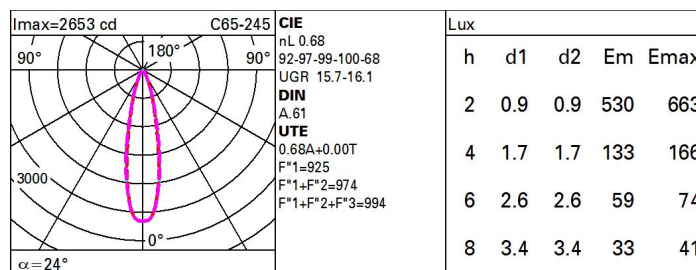
Complies with EN60598-1 and pertinent regulations



IP23

**Technical data**

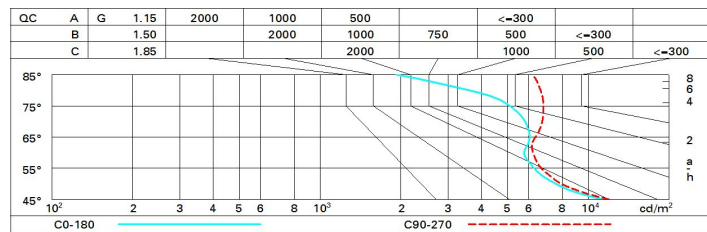
lm system:	680	CRI (minimum):	80
W system:	10	Colour temperature [K]:	3000
lm source:	1000	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	8.7	Ballast losses [W]:	1.3
Luminous efficiency (lm/W, real value):	68	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	68	Number of optical assemblies:	1
Beam angle [°]:	24°		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	59	55	53	51	55	52	52	50	73
1.0	62	59	56	54	58	56	55	53	78
1.5	66	63	61	59	62	61	60	58	85
2.0	68	66	65	63	65	64	63	61	90
2.5	70	68	67	66	67	66	65	63	93
3.0	71	69	68	68	68	67	67	65	95
4.0	72	71	70	69	69	69	68	66	97
5.0	72	71	71	70	70	70	69	67	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 1000 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	13.7	15.6	14.1	15.9	16.2	13.7	15.6	14.1	15.9	16.2
	3H	14.6	16.0	15.0	16.4	16.7	14.0	15.4	14.3	15.7	16.0
	4H	15.0	16.2	15.4	16.5	16.9	14.1	15.3	14.4	15.6	16.0
	6H	15.2	16.2	15.6	16.6	16.9	14.1	15.1	14.5	15.5	15.8
	8H	15.2	16.3	15.6	16.6	17.0	14.1	15.1	14.5	15.5	15.8
	12H	15.2	16.2	15.6	16.6	17.0	14.0	15.1	14.4	15.4	15.8
4H	2H	14.1	15.3	14.4	15.6	15.9	15.4	16.7	15.8	17.0	17.3
	3H	15.2	16.2	15.6	16.6	16.9	16.0	17.0	16.4	17.3	17.7
	4H	15.6	16.6	16.1	17.0	17.4	16.2	17.2	16.6	17.6	18.0
	6H	15.7	17.2	16.2	17.7	18.1	16.1	17.7	16.6	18.1	18.6
	8H	15.7	17.4	16.2	17.8	18.3	16.1	17.8	16.6	18.2	18.7
	12H	15.6	17.4	16.1	17.9	18.4	16.0	17.8	16.5	18.3	18.8
8H	4H	15.6	17.3	16.1	17.8	18.2	16.8	18.5	17.3	19.0	19.4
	6H	16.0	17.6	16.5	18.1	18.6	17.1	18.7	17.6	19.2	19.7
	8H	16.1	17.5	16.6	18.0	18.6	17.3	18.7	17.8	19.2	19.7
	12H	16.3	17.3	16.8	17.8	18.3	17.5	18.5	18.0	19.0	19.5
12H	4H	15.6	17.3	16.1	17.8	18.3	16.9	18.7	17.4	19.2	19.7
	6H	16.1	17.5	16.6	18.0	18.5	17.4	18.8	17.9	19.3	19.8
	8H	16.4	17.4	16.9	17.9	18.4	17.7	18.7	18.2	19.2	19.7
Variations with the observer position at spacing:											
S =	1.0H	0.9 / -0.7					0.6 / -0.4				
	1.5H	2.1 / -1.0					1.5 / -0.7				
	2.0H	3.3 / -1.1					2.4 / -0.7				