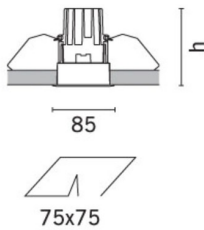


Last information update: June 2023

**Product configuration: MA45**

MA45: medium body, Frame installation 6 LED neutral white

**Product code**MA45: medium body, Frame installation 6 LED neutral white **Attention! Code no longer in production****Technical description**

Fixed square recessed luminaire designed to use a 6X1,5W LED lamp in neutral white (4200°K) with spot optic. Recessed item with rim consisting of a single die-cast aluminium body. 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**

Recessed using springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 30 mm

**Colour**

White (01) | Grey (15)

**Mounting**

wall recessed|ceiling recessed

**Wiring**

product complete with electronic components

**Notes**

the luminaire has an IP65 protection rating without the installation of any accessory.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	704	CRI (minimum):	80
W system:	10	Colour temperature [K]:	4000
lm source:	1100	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):	70.4	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.) [%]:	64	Number of optical assemblies:	1
Beam angle [°]:	14°		

**Polar**

Imax=6249 cd		Lux			
90°	180°	h	d	Em	Emax
		2	0.5	1237	1562
		4	1	309	391
		6	1.5	137	174
		8	2	77	98
$\alpha = 14^\circ$					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	56	53	51	49	53	50	50	48	75
1.0	59	56	54	52	56	54	53	51	80
1.5	63	60	58	57	59	58	57	55	86
2.0	65	63	62	60	62	61	60	58	91
2.5	66	65	64	63	64	63	62	60	94
3.0	67	66	65	64	65	64	63	62	96
4.0	68	67	66	66	66	65	64	63	98
5.0	68	68	67	67	66	66	65	63	99

Luminance curve limit

