Tecnica Pro

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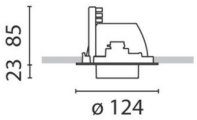
Last information update: May 2024

Product configuration: MS45
MS45: small body LED neutral white - spot optic



Product code
MS45: small body LED neutral white - spot optic **Attention! Code no longer in production**

Technical description
Recessed luminaire made of die-cast aluminium and thermoplastic material, with 3x2.2W high-performing LED with monochromatic emission in Neutral White (4200K). LED optic with plastic lenses with narrow beam (S=10°). 335° rotation around vertical axis and 65° rotation around horizontal axis with continuous frictioning (only on horizontal axis). Anti-glare screen available as accessory. The technical characteristics of the luminaires comply with EN60598-1 norms and following amendments.

Installation
Recessed installation in false ceilings with thickness from 1 mm to 20 mm by means of special steel torsional springs and hinged brackets.

Colour
White (01) | Grey (15)

Mounting
ceiling recessed

Wiring
Electronic components for LED to be ordered separately.

Notes
For compliance with the NFC 20-455 standard use an optional filter code MW58 for each optical assembly

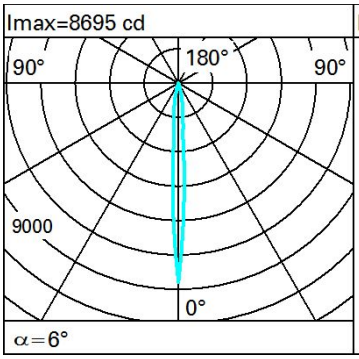
Complies with EN60598-1 and pertinent regulations

650°C IP20 pending

Technical data

lm system:	347	CRI (minimum):	80
W system:	5.5	Colour temperature [K]:	4000
lm source:	450	MacAdam Step:	3
W source:	5.5	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	63	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.) [%]:	77	Number of optical assemblies:	1
Beam angle [°]:	6°	LED current [mA]:	600

Polar



Lux

h	d	Em	Emax
2	0.2	1617	2174
4	0.4	404	543
6	0.6	180	242
8	0.8	101	136

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	62	60	64	62	61	59	76
1.0	72	68	66	64	68	65	65	62	81
1.5	76	73	71	69	72	70	70	67	87
2.0	78	76	75	73	75	74	73	71	92
2.5	80	78	77	76	77	76	75	73	95
3.0	81	80	79	78	78	78	76	75	97
4.0	82	81	80	80	79	79	78	76	99
5.0	82	82	81	81	80	80	79	77	100

Luminance curve limit