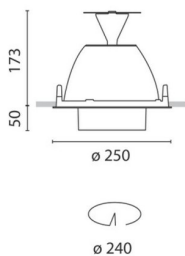


Last information update: June 2023

Product configuration: MS21+LED

MS21: Recessed DALI extractable-control gear

**Product code**MS21: Recessed DALI extractable-control gear **Attention! Code no longer in production****Technical description**

Die-cast aluminium and thermoplastic material, recessed luminaire complete with C.O.B technology LED lamp in a 4000K neutral white colour tone. Luminaire with spot optic complete with high level light output and uniform distribution OPTIBEAM reflector. The product permits an internal rotation around the 335° vertical axis and the 65° horizontal plane with continuous friction (only on this rotation). Product complete with a DALI driver separate from the luminaire.

Installation

Recessed in false ceilings, with thicknesses starting from between 1 mm and 20 mm, using special steel torsion springs and hinged brackets.

Colour

White (01) | Grey (15)

Weight (Kg)

3.05

Mounting

ceiling recessed

Wiring

product complete with DALI components

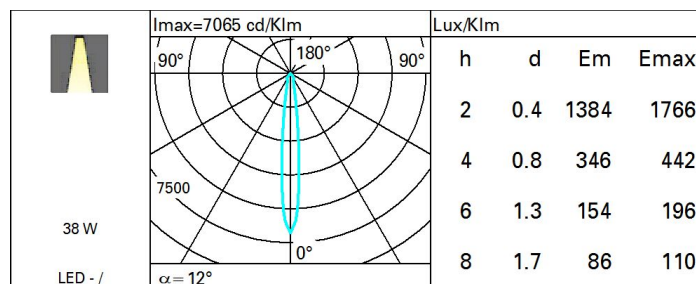
Notes

For compliance with the NFC 20-455 standard use an optional filter code MW57 for each optical assembly

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	3320	Colour temperature [K]:	4000
W system:	38	MacAdam Step:	3
Im source:	4000	Life Time LED 1:	48,000h - L80 - B10 (Ta 25°C)
W source:	34	Ballast losses [W]:	4
Luminous efficiency (Im/W, real value):	87.4	Lamp code:	LED
Im 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.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	12°	Control:	DALI
CRI:	80		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	67	65	69	67	66	64	77
1.0	77	74	71	69	73	71	70	67	81
1.5	82	79	77	75	78	76	75	73	87
2.0	84	82	81	79	81	80	79	76	92
2.5	86	84	83	82	83	82	81	79	95
3.0	87	86	85	84	84	84	83	81	97
4.0	88	87	87	86	86	85	84	82	99
5.0	89	88	87	87	87	86	85	83	100

Luminance curve limit

