Express Evo

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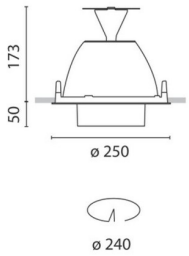
Last information update: June 2023

Product configuration: MS38+LED
MS38: Recessed DALI extractable-control gear



Product code
MS38: 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 3000K warm white colour tone with high color rendering index. Luminaire with medium 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

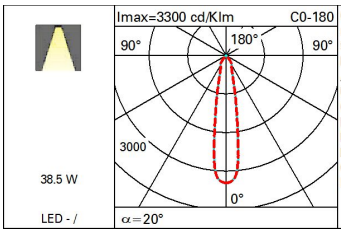
Complies with EN60598-1 and pertinent regulations

650°C IP20

Technical data

lm system:	2957.4	Colour temperature [K]:	3000
W system:	38.5	MacAdam Step:	3
lm source:	3700	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	34	Ballast losses [W]:	4.5
Luminous efficiency (lm/W, real value):	76.8	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	20°	Control:	DALI
CRI:	90		

Polar



CIE
nL 0.80
97-100-100-100-80
DIN
A.61
UTE
0.80A+0.00T
F"1=969
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°

Lux/Klm

h	d1	d2	Em	Emax
2	0.7	0.7	680	825
4	1.4	1.4	170	206
6	2.1	2.1	76	92
8	2.8	2.8	43	52

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	64	62	66	64	64	61	76
1.0	74	71	68	66	70	68	67	65	81
1.5	78	76	74	72	75	73	72	70	87
2.0	81	79	78	76	78	77	76	73	92
2.5	83	81	80	79	80	79	78	76	95
3.0	84	83	82	81	81	81	79	77	97
4.0	85	84	83	83	82	82	81	79	99
5.0	85	85	84	84	83	83	82	80	100

Luminance curve limit