Pixel Pro

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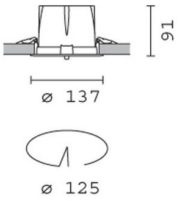
recessed luminaire Ø 137 - neutral white passive dissipation LED integrated electronic control gear - Spot

Product code
MM31

Technical description
recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Structure with die-cast aluminium frame and main body; shaped surface with high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Steel rotation hinge, chrome-plated aluminium body closing ring. Reflector with high efficiency super-pure aluminium optic -Spot beam angle. Body adjusted using manually operated device: internal 30° - external 75° - rotation about axis 355°. Supplied with electronic control gear connected to the luminaire. Neutral white high efficiency LED



Installation
recessed using special steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125

Dimension (mm)
Ø137x91

Colour
White/Aluminium (39) | Grey/Aluminium (78)

Weight (Kg)
1.01

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20

Product configuration: MM31

Product characteristics

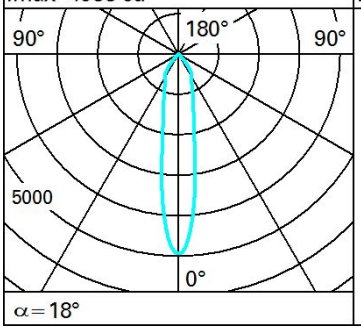
Total lighting output [Lm]: 1540	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 15.4	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 100	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 77	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 3.4
Nominal power [W]: 12	Colour temperature [K]: 4000
Nominal luminous [Lm]: 2000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 18°	MacAdam Step: 2

Polar

Imax=4933 cd



Lux

h	d	Em	Emax
2	0.6	983	1233
4	1.3	246	308
6	1.9	109	137
8	2.5	61	77

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	63	61	58	63	60	60	57	74
1.0	71	67	65	63	66	64	64	61	79
1.5	75	72	70	68	71	69	69	66	86
2.0	78	76	74	73	75	73	72	70	91
2.5	79	78	76	75	77	75	75	72	94
3.0	80	79	78	77	78	77	76	74	96
4.0	81	80	80	79	79	79	77	75	98
5.0	82	81	81	80	80	79	78	76	99

Luminance curve limit

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300