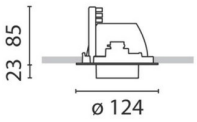
Tecnica Pro

Design iGuzzini **iGuzzini**

Last information update: May 2018



small body LED warm white -medium optic

Product code
MS48

Technical description
Recessed luminaire made of die-cast aluminium and thermoplastic material, with 3x2.2W high-performing Warm White (3100K) LED with monochromatic emission. LED optic with plastic lenses with medium beam (M=25°). 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.

Dimension (mm)
Ø124x85

Colour
White (01)

Weight (Kg)
0.3

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

Product configuration: MS48

Product characteristics

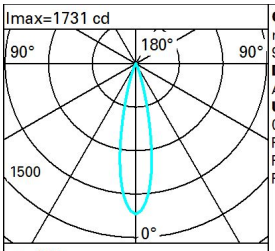
Total lighting output [Lm]: 319	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 5.5	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 58	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 78	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 0
Nominal power [W]: 5.5	Colour temperature [K]: 3000
Nominal luminous [Lm]: 410	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 22°	MacAdam Step: 3

Polar

Imax=1731 cd



α = 22°

CIE
nL 0.78
97-99-100-100-78
DIN
A.61
UTE
0.78A+0.00T
F"1=969
F"1+F"2=991
F"1+F"2+F"3=999

Lux

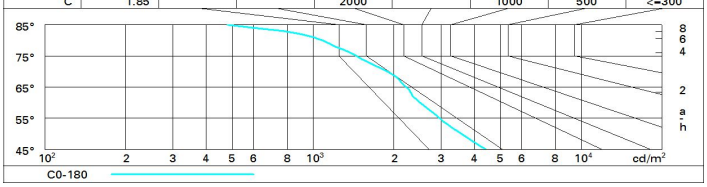
h	d	Em	Emax
2	0.8	348	433
4	1.6	87	108
6	2.3	39	48
8	3.1	22	27

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	61	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	74	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	79	79	79	78	77	75	97
4.0	82	82	81	80	80	80	79	77	99
5.0	83	82	82	82	81	81	79	77	100

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



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