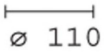
Pixel Pro

Design Iosa Ghini **iGuzzini**

Last information update: June 2018



recessed luminaire Ø 110 - neutral white passive dissipation integrated electronic control gear - spot

Product code
MD77

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. Plastic reflector with high definition treatment - 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 100

Dimension (mm)
Ø110x67

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

Weight (Kg)
0.52

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20

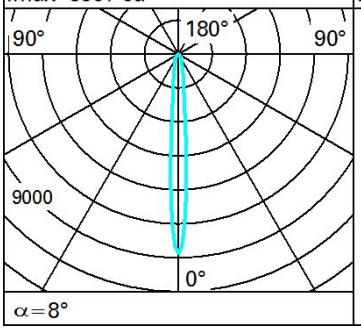
Product configuration: MD77

Product characteristics
Total lighting output [Lm]: 830
Total power [W]: 13.2
Luminous efficacy [Lm/W]: 62.9
Life Time: > 50,000h - L90 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 83
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 9.6
Nominal luminous [Lm]: 1000
Lamp maximum intensity [cd]: /
Beam angle [°]: 8°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.6
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

Polar

Imax=8807 cd



Lux

h	d	Em	Emax
2	0.3	1768	2202
4	0.6	442	550
6	0.8	196	245
8	1.1	110	138

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	67	64	78
1.0	78	74	72	70	74	71	71	68	82
1.5	82	79	77	75	78	76	76	73	88
2.0	84	83	81	80	81	80	79	77	93
2.5	86	85	83	82	83	82	81	79	95
3.0	87	86	85	84	85	84	83	81	97
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	87	87	86	85	83	100

Luminance curve limit