

Last information update: June 2018

**recessed luminaire Ø 110 - warm white passive dissipation integrated electronic control gear - flood****Product code**

MD80

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. Body adjusted using manually operated device: internal 30° - external 75° - rotation about axis 355°. Supplied with electronic control gear connected to the luminaire. Warm 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: MD80****Product characteristics**

Total lighting output [Lm]: 810
Total power [W]: 13.8
Luminous efficacy [Lm/W]: 58.7
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.) [%]: 81
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 11
Nominal luminous [Lm]: 1000
Lamp maximum intensity [cd]: /
Beam angle [°]: 28°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.8
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

Polar

Imax=3087 cd	CIE nL 0.81 100-100-100-100-81 DIN A.61 UTE 0.81A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<200 cd/m² at 65°	Lux			
		h	d	Em	E _{max}
90°		2	1	618	769
3000		4	2	154	192
		6	3	69	85
		8	4	39	48
α=28°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	67	65	69	66	66	64	78
1.0	76	73	71	69	72	70	70	67	83
1.5	80	78	76	74	77	75	74	72	89
2.0	83	81	79	78	80	78	77	75	93
2.5	84	83	82	81	82	81	80	78	96
3.0	85	84	83	83	83	82	81	79	98
4.0	86	85	85	84	84	84	82	80	99
5.0	87	86	86	86	85	84	83	81	100

Luminance curve limit

