

Last information update: June 2018

**recessed luminaire Ø 137 -warm white passive dissipation LED integrated electronic control gear - Spot****Product code**

MM32

**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. Warm 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: MM32****Product characteristics**

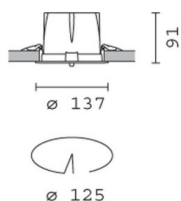
Total lighting output [Lm]: 1540  
Total power [W]: 15.9  
Luminous efficacy [Lm/W]: 96.9  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

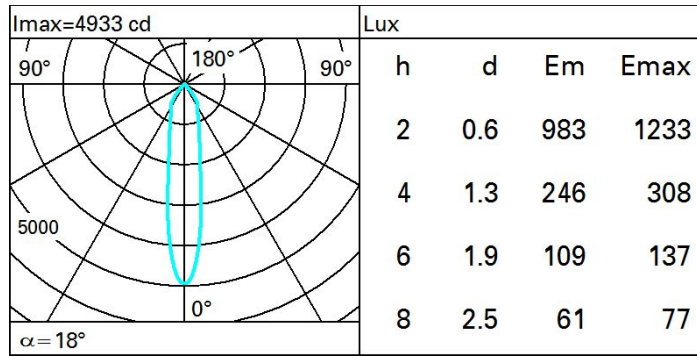
**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 77  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 13  
Nominal luminous [Lm]: 2000  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 18°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2.9  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 2



**Polar**



**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**

