### **Pixel Pro**

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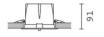
recessed luminaire Ø 137 - neutral white passive dissipation integrated electronic control gear - wide flood

### Product code

MD93

#### 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 - wide flood 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



ø 137



### 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

















### Product configuration: MD93

## Product characteristics

Total lighting output [Lm]: 1559 Total power [W]: 15.4

Luminous efficacy [Lm/W]: 101.2

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.) [%]: 78

Lamp code: LED ZVEI Code: LED Nominal power [W]: 12 Nominal luminous [Lm]: 2000 Lamp maximum intensity [cd]: / Beam angle [°]: 54° Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 3.4 Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

### Polar

lmax=2071 cd	Lux					
90° 180° 90°	h	d	Em	Emax		
	2	2	400	516		
	4	4.1	100	129		
2000	6	6.1	44	57		
α=54°	8	8.2	25	32		

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	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	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

# Luminance curve limit

