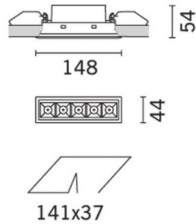


Last information update: May 2018

**5 - cell Recessed luminaire - LED - Neutral white Flood optic****Product code**

MK49

**Technical description**

rectangular miniaturised recessed luminaire with 5 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with electronic control gear connected to the luminaire. Neutral white LED.

**Installation**

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141

**Dimension (mm)**

148x44x54

**Colour**

White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | Grey/Black (74) | (E7)

**Weight (Kg)**

0.29

**Mounting**

wall recessed|ceiling recessed

**Wiring**

on control gear box; screw connections with terminal block included

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed

**Product configuration: MK49****Product characteristics**

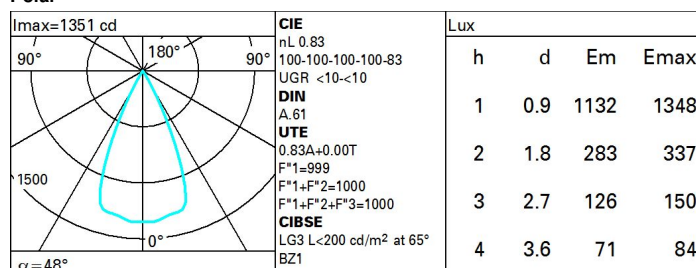
Total lighting output [Lm]: 763  
Total power [W]: 12  
Luminous efficacy [Lm/W]: 63.6  
Life Time: 50,000h - L90 - B10 (Ta 25°C)

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]: 10  
Nominal luminous [Lm]: 920  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 48°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2  
Colour temperature [K]: 4000  
CRI: 95  
Wavelength [Nm]: /  
MacAdam Step: 3

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

# UGR diagram

Corrected UGR values (at 920 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	1.5	2.0	1.8	2.2	2.4	1.5	2.0	1.8	2.2	2.4
	3H	1.4	1.8	1.7	2.1	2.3	1.4	1.8	1.7	2.1	2.3
	4H	1.3	1.7	1.6	2.0	2.3	1.3	1.7	1.6	2.0	2.3
	6H	1.2	1.6	1.6	1.9	2.2	1.2	1.6	1.6	1.9	2.2
	8H	1.2	1.6	1.5	1.9	2.2	1.2	1.5	1.5	1.9	2.2
	12H	1.2	1.5	1.5	1.8	2.2	1.1	1.5	1.5	1.8	2.2
4H	2H	1.3	1.7	1.6	2.0	2.3	1.3	1.7	1.6	2.0	2.3
	3H	1.1	1.5	1.5	1.8	2.2	1.2	1.5	1.5	1.8	2.2
	4H	1.1	1.4	1.5	1.7	2.1	1.1	1.4	1.5	1.7	2.1
	6H	1.0	1.2	1.4	1.6	2.1	1.0	1.2	1.4	1.6	2.1
	8H	0.9	1.2	1.4	1.6	2.0	0.9	1.2	1.4	1.6	2.0
	12H	0.9	1.1	1.3	1.5	2.0	0.9	1.1	1.3	1.5	2.0
8H	4H	0.9	1.2	1.4	1.6	2.0	0.9	1.2	1.4	1.6	2.0
	6H	0.8	1.0	1.3	1.5	2.0	0.8	1.0	1.3	1.5	2.0
	8H	0.8	0.9	1.3	1.4	1.9	0.8	0.9	1.3	1.4	1.9
	12H	0.7	0.9	1.2	1.4	1.9	0.7	0.9	1.2	1.4	1.9
12H	4H	0.9	1.1	1.3	1.5	2.0	0.9	1.1	1.3	1.5	2.0
	6H	0.8	0.9	1.3	1.4	1.9	0.8	1.0	1.3	1.4	1.9
	8H	0.7	0.9	1.2	1.4	1.9	0.7	0.9	1.2	1.4	1.9
Variations with the observer position at spacing:											
S =		1.0H	6.9 / -18.0					6.9 / -18.0			
		1.5H	9.7 / -18.3					9.7 / -18.3			
		2.0H	11.7 / -18.4					11.7 / -18.4			