Design iGuzzini

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Last information update: May 2018



5 - cell Recessed luminaire - LED - Warm white Wide Flood optic

Product code

MK51

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. Warm white LED.

148

141x37

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

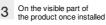
on control gear box; screw connections with terminal block included

Complies with EN60598-1 and pertinent regulations





















Product configuration: MK51

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

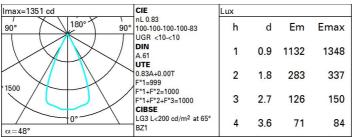
Socket:

Ballast losses [W]: 2 Colour temperature [K]: 3000

CRI: 90

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

2H 3H 6H 8H 12H 3H	0.70 0.50 0.20 1.5 1.3 1.3 1.2 1.2	0.70 0.30 0.20 2.1 1.9 1.8 1.7 1.6 1.5	0.50 0.50 0.20 viewed crosswis 1.8 1.7 1.6 1.5		0.30 0.30 0.20 2.5 2.4 2.4	0.70 0.50 0.20	2.1 1.9	0.50 0.50 0.20 viewed endwise 1.8 1.7		0.30 0.30 0.20
2H 3H 4H 6H 8H 12H	0.50 0.20 1.5 1.3 1.3 1.2 1.2	0.30 0.20 2.1 1.9 1.8 1.7 1.6	0.50 0.20 viewed crosswis 1.8 1.7 1.6 1.5	0.30 0.20 e 2.3 2.1 2.1	0.30 0.20 2.5 2.4	0.50 0.20 1.5 1.3	0.30 0.20 2.1 1.9	0.50 0.20 viewed endwise	0.30 0.20	0.30
2H 3H 4H 6H 8H 12H	1.5 1.3 1.3 1.2 1.2	0.20 2.1 1.9 1.8 1.7 1.6	0.20 viewed crosswis 1.8 1.7 1.6 1.5	0.20 e 2.3 2.1 2.1	0.20 2.5 2.4	0.20 1.5 1.3	0.20 2.1 1.9	0.20 viewed endwise	2.3	2.5
2H 3H 4H 6H 8H 12H	1.5 1.3 1.3 1.2 1.2	2.1 1.9 1.8 1.7 1.6	1.8 1.7 1.6 1.5	e 2.3 2.1 2.1	2.5 2.4	1.5 1.3	2.1 1.9	viewed endwise 1.8	2.3	2.5
y 2H 3H 4H 6H 8H 12H	1.3 1.3 1.2 1.2 1.1	2.1 1.9 1.8 1.7 1.6	1.8 1.7 1.6 1.5	2.3 2.1 2.1	2.4	1.3	2.1 1.9	endwise 1.8	2.3	
2H 3H 4H 6H 8H 12H	1.3 1.3 1.2 1.2 1.1	2.1 1.9 1.8 1.7 1.6	1.8 1.7 1.6 1.5	2.3 2.1 2.1	2.4	1.3	2.1 1.9	1.8	2.3	
3H 4H 6H 8H 12H	1.3 1.3 1.2 1.2 1.1	1.9 1.8 1.7 1.6	1.7 1.6 1.5	2.1 2.1	2.4	1.3	1.9			
4H 6H 8H 12H	1.3 1.2 1.2 1.1	1.8 1.7 1.6	1.6 1.5	2.1				1.7	2.1	2
6H 8H 12H	1.2 1.2 1.1	1.7 1.6	1.5		2.4					
8H 12H 2H	1.2 1.1	1.6		2.0		1.3	1.8	1.6	2.1	2.
12H 2H	1.1		1.5		2.3	1.2	1.6	1.5	2.0	2.
2H	10000	1.5		1.9	2.3	1.2	1.6	1.5	1.9	2.
	0.232		1.5	1.9	2.2	1.1	1.5	1.5	1.9	2.2
3H	1.3	1.8	1.6	2.1	2.4	1.3	1.8	1.6	2.1	2.
311	1.1	1.5	1.5	1.9	2.2	1.1	1.5	1.5	1.9	2.
4H	1.0	1.4	1.4	1.8	2.2	1.0	1.4	1.4	1.8	2.
6H	1.0	1.3	1.4	1.7	2.1	0.9	1.3	1.4	1.7	2.
H8	0.9	1.2	1.3	1.6	2.0	0.9	1.2	1.3	1.6	2.0
12H	0.9	1.1	1.3	1.6	2.0	0.9	1.1	1.3	1.5	2.0
4H	0.9	1.2	1.3	1.6	2.0	0.9	1.2	1.3	1.6	2.0
6H	8.0	1.1	1.3	1.5	2.0	8.0	1.1	1.3	1.5	2.
8H	8.0	1.0	1.2	1.4	1.9	8.0	1.0	1.2	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
4H	0.9	1.1	1.3	1.5	2.0	0.9	1.1	1.3	1.6	2.0
6H	8.0	1.0	1.2	1.4	1.9	8.0	1.0	1.2	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
ns wi	th the ol	bserverp	noitieo	at spacir	ng:					
1.0H		6	9 / -18	0.0	6.9 / -18.0					
1.5H	9.7 / -18.3					9.7 / -18.3				
1 1 1 1	4H 6H 8H ns wi	12H 0.7 4H 0.9 6H 0.8 8H 0.7 ns with the ol	12H 0.7 0.9 4H 0.9 1.1 6H 0.8 1.0 8H 0.7 0.9 ns with the observer properties of the control of	12H 0.7 0.9 1.2 4H 0.9 1.1 1.3 6H 0.8 1.0 1.2 8H 0.7 0.9 1.2 ns with the observer position of the observer of the observer for the observer of the observe	12H 0.7 0.9 1.2 1.4 4H 0.9 1.1 1.3 1.5 6H 0.8 1.0 1.2 1.4 8H 0.7 0.9 1.2 1.4 ns with the observer position at spacin .0H 6.9 / -18.0 .5H 9.7 / -18.3	12H 0.7 0.9 1.2 1.4 1.9 4H 0.9 1.1 1.3 1.5 2.0 6H 0.8 1.0 1.2 1.4 1.9 8H 0.7 0.9 1.2 1.4 1.9 ns with the observer position at spacing: .0H 6.9 / -18.0 9.7 / -18.3	12H 0.7 0.9 1.2 1.4 1.9 0.7 4H 0.9 1.1 1.3 1.5 2.0 0.9 6H 0.8 1.0 1.2 1.4 1.9 0.8 8H 0.7 0.9 1.2 1.4 1.9 0.7 ns with the observer position at spacing: .0H 6.9 / -18.0 9.7 / -18.3	12H	12H	12H