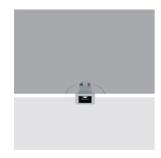
Design iGuzzini

iGuzzini

Last information update: May 2018



Square Recessed luminaire - LED Neutral white medium

Product code

MK45

Technical description

square miniaturised recessed luminaire for single LED - fixed optic - medium beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optic, integrated in a rear position in the black anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. Neutral white LED.

Installation

recessed with steel wire springs for false ceilings from 1 to 20 mm thick - preparation hole 35 x 35 $\,$







Dimension (mm)

44x44x44

Colour

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

Weight (Kg)

0.05

Mounting

wall recessed|ceiling recessed

Wiring

direct current ballasts to be ordered separately: electronic (MXF9) for max. 7 LEDs; DALI dimmable (BZM4) for max. 20 LEDs (check instruction leaflet for compatible lengths of cables to be used)



















Product configuration: MK45

Product characteristics

Total lighting output [Lm]: 157.5 Total power [W]: 2.1 Luminous efficacy [Lm/W]: 75

Life Time: 50,000h - L90 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0

Complies with EN60598-1 and pertinent regulations

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]: 2.1 Nominal luminous [Lm]: 190 Lamp maximum intensity [cd]: / Beam angle [°]: 32°

Number of lamps for optical assembly: 1

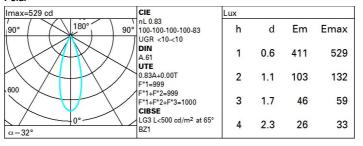
Socket: /

Ballast losses [W]: 0 Colour temperature [K]: 4000

CRI: 95

Wavelength [Nm]: / MacAdam Step: 3

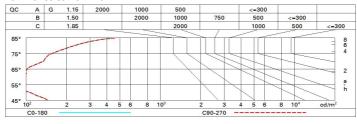
Polar



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	78	77	76	73	89
2.0	84	83	81	80	81	80	79	77	93
2.5	86	85	84	83	83	82	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	87	87	86	85	83	100

Luminance curve limit



UGR diagram

D'41-											
Riflect.: ceil/cav walls work pl. Room dim		0.70	0.70	0.50	0.50	0.00	0.70	0.70	0.50	0.50	0.20
		0.70	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20
		viewed									
		X	У	crosswise					endwise		
2H	2H	-2.9	-2.4	-2.6	-2.1	-1.9	-2.9	-2.4	-2.6	-2.1	-1.9
	ЗН	-2.9	-2.5	-2.6	-2.2	-1.9	-3.0	-2.5	-2.7	-2.3	-2.0
	4H	-3.0	-2.5	-2.6	-2.2	-1.9	-3.1	-2.6	-2.7	-2.3	-2.0
	бН	-2.9	-2.5	-2.6	-2.2	-1.9	-3.1	-2.7	-2.8	-2.4	-2.
	HS	-2.9	-2.5	-2.5	-2.2	-1.8	-3.2	-2.8	-2.8	-2.4	-2.
	12H	-2.8	-2.4	-2.4	-2.1	-1.7	-3.2	-2.8	-2.8	-2.5	-2.
4H	2H	-3.1	-2.6	-2.7	-2.3	-2.0	-3.0	-2.5	-2.6	-2.2	-1.9
	ЗН	-3.1	-2.7	-2.7	-2.4	-2.1	-3.1	-2.7	-2.7	-2.4	-2.0
	4H	-3.1	-2.8	-2.7	-2.4	-2.0	-3.1	-2.8	-2.7	-2.4	-2.0
	6H	-3.0	-2.7	-2.6	-2.3	-1.9	-3.2	-2.9	-2.7	-2.5	-2.
	HS	-2.9	-2.6	-2.5	-2.2	-1.8	-3.2	-2.9	-2.7	-2.5	-2.
	12H	-2.7	-2.5	-2.2	-2.0	-1.6	-3.2	-3.0	-2.8	-2.5	-2.
8H	4H	-3.2	-2.9	-2.7	-2.5	-2.1	-2.9	-2.6	-2.5	-2.2	-13
	6H	-3.0	-2.8	-2.5	-2.3	-1.9	-2.8	-2.6	-2.4	-2.2	-1.
	нв	-2.8	-2.6	-2.3	-2.1	-1.7	-2.8	-2.6	-2.3	-2.1	-1.7
	12H	-2.4	-2.3	-1.9	-1.8	-1.3	-2.7	-2.6	-2.2	-2.1	-1.6
12H	4H	-3.2	-3.0	-2.8	-2.5	-2.1	-2.7	-2.5	-2.2	-2.0	-1.0
	бН	-3.0	-2.8	-2.5	-2.3	-1.8	-2.6	-2.4	-2.1	-1.9	-1.
	Н8	-2.7	-2.6	-2.2	-2.1	-1.6	-2.4	-2.3	-1.9	-1.8	-13
Varia	tions wi	th the ol	bserver	osition a	at spacin	ig:	O.C.				
S =	1.0H	5.6 / -3.8					5.6 / -3.8				
	1.5H	8.3 / -4.0					8.3 / -4.0				
	2.0H	10.3 / -4.1					10.3 / -4.1				