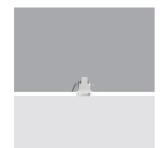
Design iGuzzini

iGuzzini

Last information update: June 2025

Product configuration: MK45.01

MK45.01: Square Recessed luminaire - LED Neutral white flood - 2W 174lm - 4000K - CRI 95 - White



Product code

MK45.01: Square Recessed luminaire - LED Neutral white flood - 2W 174lm - 4000K - CRI 95 - White

Technical description

square miniaturised recessed luminaire for single LED - fixed optic - flood 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 high colour rendering

Installation

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

Colour White (01)

1)



44







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)













Weight (Kg)

0.05







Complies with EN60598-1 and pertinent regulations







Technical data

Im system:	174	Rf (Colour Fidelity Index):	92		
W system:	2	Rg (Gamut Index):	98		
Im source:	210	Colour temperature [K]:	4000		
W source:	2	MacAdam Step:	3		
Luminous efficiency (lm/W,	87	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)		
real value):		Lamp code:	LED		
Im in emergency mode:	-	Number of lamps for optical	1		
Total light flux at or above	0	assembly:			
an angle of 90° [Lm]:		ZVEI Code:	LED		
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1		
Beam angle [°]:	32°	LED current [mA]:	700		
CRI (minimum):	95				
CRI (typical):	97				

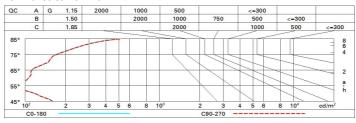
Polar

Imax=584 cd	CIE	Lux			
90° 180° 90	nL 0.83 100-100-100-100-83 UGR <10-<10	h	d	Em	Emax
	DIN A.61 UTE	1	0.6	454	584
600	0.83A+0.00T F"1=999	2	1.1	114	146
600	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	3	1.7	50	65
α=32°	LG3 L<1500 cd/m ² at 65° UGR<10 L<1500 cd/mq	@65° 4	2.3	28	37

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



Corre	ected UC	R value:	s (at 210	Im bare	lamp lui	mino us f	lux)				
Rifled	ct.:										
ce il/c	ceil/cav		0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl.		0.50 0.20	0.30 0.20	0.50 0.20	0.30	0.30 0.20	0.50 0.20	0.30	0.50	0.30	0.3
								0.20	0.20	0.20	0.2
Roon	n dim	viewed					67.50/607/		viewed		
X	У	crosswise					endwise				
2H	2H	-2.5	-2.0	-2.2	-1.8	-1.5	-2.5	-2.0	-2.2	-1.8	-1.
	ЗН	-2.6	-2.1	-2.3	-1.9	-1.6	-2.6	-2.2	-2.3	-1.9	-1)
	4H	-2.6	-2.2	-2.3	-1.9	-1.6	-2.7	-2.3	-2.4	-2.0	-1.
	бН	-2.6	-2.2	-2.2	-1.9	-1.5	-2.8	-2.4	-2.4	-2.1	-1.
	нв	-2.5	-2.1	-2.2	-1.8	-1.5	-2.8	-2.4	-2.4	-2.1	-13
	12H	-2.4	-2.1	-2.1	-1.7	-1.4	-2.8	-2.5	-2.5	-2.1	-13
4H	2H	-2.7	-2.3	-2.4	-2.0	-1.7	-2.6	-2.2	-2.3	-1.9	-1)
	ЗН	-2.8	-2.4	-2.4	-2.1	-1.7	-2.7	-2.3	-2.3	-2.0	-1.
	4H	-2.8	-2.4	-2.4	-2.1	-1.7	-2.8	-2.4	-2.4	-2.1	-1.
	бН	-2.7	-2.4	-2.2	-2.0	-1.6	-2.8	-2.5	-2.4	-2.1	-1.
	HS	-2.6	-2.3	-2.1	-1.9	-1.4	-2.8	-2.6	-2.4	-2.2	-1.
	12H	-2.3	-2.1	-1.9	-1.7	-1.2	-2.9	-2.6	-2.4	-2.2	-1.
нв	4H	-2.8	-2.6	-2.4	-2.2	-1.7	-2.6	-2.3	-2.1	-1.9	-1.
	6H	-2.6	-2.4	-2.2	-2.0	-1.5	-2.5	-2.3	-2.0	-1.8	-1.
	HS	-2.5	-2.3	-2.0	-1.8	-1.3	-2.5	-2.3	-2.0	-1.8	-1.
	12H	-2.1	-1.9	-1.6	-1.4	-0.9	-2.4	-2.2	-1.9	-1.8	-1.
12H	4H	-2.9	-2.6	-2.4	-2.2	-1.7	-2.3	-2.1	-1.9	-1.7	-1.
	бН	-2.6	-2.5	-2.2	-2.0	-1.5	-2.2	-2.0	-1.7	-1.6	-1.
	HS	-2.4	-2.2	-1.9	-1.8	-1.2	-2.1	-1.9	-1.6	-1.4	-0.9
Varia	tions wi	th the ol	oserver	osition a	at spacin	ıg:	-				
S =	1.0H	5.6 / -3.8					5.6 / -3.8				
	1.5H	8.3 / -4.0					8.3 / -4.0				