Design iGuzzini

Last information update: May 2018



**2** [4

64x35

## 2 - cell Recessed luminaire - LED - Warm white medium

iGuzzini

## Product code

MK48

#### Technical description

rectangular miniaturised recessed luminaire with 2 optical elements with LED lamps - fixed optics - medium 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. Connecting cable supplied. Ballast not included, available with separate code. Warm white LED.

#### Installation

recessed with steel wire springs for false ceilings from 1 to 20 mm thick - preparation hole 35 x 64

## Dimension (mm)

73x44x44

#### Colour

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

## Weight (Kg)

0.09

## Mounting

wall recessed|ceiling recessed

## Wiring

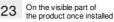
direct current ballasts to be ordered separately: electronic (MXF9) for max. 7 LEDs; DALI dimmable (BZM4) for max. 20 LEDs (check instruction leaflet for compatible lengths of cables to be used)

Complies with EN60598-1 and pertinent regulations



















## Product configuration: MK48

## **Product characteristics**

Total lighting output [Lm]: 315 Total power [W]: 4.2 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

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]: 4.2 Nominal luminous [Lm]: 380 Lamp maximum intensity [cd]: / Beam angle [°]: 32°

Number of lamps for optical assembly: 1

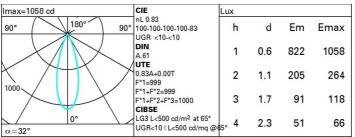
Socket:

Ballast losses [W]: 0 Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 3

## Polar

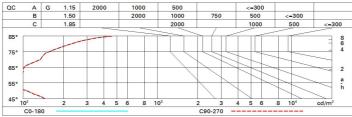




## Utilisation factors

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	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

	0.0000000000000000000000000000000000000		(0.000			VARALLO 2 1 - 2	-300.33						
Rifled	ct.:												
ceil/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 0.20	0.30	0.50 0.20	0.30	0.30 0.20	0.50 0.20	0.30 0.20	0.50	0.30	0.30		
												viewed crosswise	
		2Н	2H	-2.9	-2.4	-2.6	-2.1	-1.9	-2.9	-2.4	-2.6		
			ЗН	-2.9	-2.5	-2.6	-22	-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.		
нв	-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		
	бН	-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.		
ВН	4H	-3.2	-2.9	-2.7	-2.5	-2.1	-2.9	-2.6	-2.5	-2.2	-1.8		
	6H	-3.0	-2.8	-2.5	-2.3	-1.9	-2.8	-2.6	-2.4	-2.2	-1.		
	HS	-2.8	-2.6	-2.3	-2.1	-1.7	-2.8	-2.6	-2.3	-2.1	-1.		
	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.		
	бН	-3.0	-2.8	-2.5	-2.3	-1.8	-2.6	-2.4	-2.1	-1.9	-1.		
	HS	-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	oserverp	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						
	2.0H	10.3 / -4.1					10.3 / -4.1						