Design iGuzzini

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Last information update: May 2018

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

#### Product code MK50

#### Technical description

rectangular miniaturised recessed luminaire with 5 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; 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.



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## Dimension (mm) 148x44x54

Installation



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#### Weight (Kg) 0.29

Colour

Mounting

wall recessed ceiling recessed

## Wiring

on control gear box; screw connections with terminal block included



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

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

#### Product configuration: MK50

## Product characteristics

 Total lighting output [Lm]: 734.8
 Total luminous flux at or above an angle of 90° [Lm]: 0

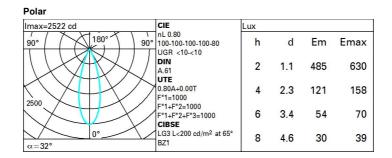
 Total power [W]: 12
 Emergency luminous flux [Lm]: /

 Luminous efficacy [Lm/W]: 61.2
 Voltage [V]: 

 Life Time: 50,000h - L90 - B10 (Ta 25°C)
 Number of optical assemblies: 1

# Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 80Number of lamps for optical assembly: 1Lamp code: LEDSocket: /ZVEI Code: LEDBallast losses [W]: 2Nominal power [W]: 10Colour temperature [K]: 3000Nominal luminous [Lm]: 920CRI: 90Lamp maximum intensity [cd]: /Wavelength [Nm]: /Beam angle [°]: 32°MacAdam Step: 3



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	69	66	64	68	66	65	63	78
1.0	75	72	70	68	71	69	69	66	83
1.5	79	77	75	73	76	74	73	71	89
2.0	81	80	78	77	79	77	76	74	93
2.5	83	82	81	80	80	79	79	77	96
3.0	84	83	82	81	82	81	80	78	98
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	85	84	84	83	82	80	100

## UGR diagram

Rifley	ot :										
Riflect.: ceil/cav walls work pl.		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
x y		crosswise					endwise				
2H	2H	-3.4	-2.9	-3.1	-2.6	-2.4	-3.4	-2.9	-3.1	-2.6	-2.4
	ЗН	-3.5	-3.1	-3.2	-2.8	-2.5	-3.5	-3.1	-3.2	-2.8	-2.5
	4H	-3.6	-3.2	-3.3	-2.9	-2.6	-3.6	-3.2	-3.3	-2.9	-2.0
	6H	-3.7	-3.3	-3.3	-3.0	-2.6	-3.7	-3.3	-3.3	-3.0	-2.0
	BH	-3.7	-3.3	-3.3	-3.0	-2.7	-3.7	-3.3	-3.3	-3.0	-2.7
	12H	-3.7	-3.4	-3.4	-3.0	-2.7	-3.7	-3.4	-3.4	-3.0	-2.7
4H	2H	-3.6	-3.2	-3.3	-2.9	-2.6	-3.6	-3.2	-3.3	-2.9	-2.0
	ЗH	-3.7	-3.4	-3.4	-3.0	-2.7	-3.7	-3.4	-3.4	-3.0	-2.7
	4H	-3.8	-3.5	-3.4	-3.1	-2.8	-3.8	-3.5	-3.4	-3.1	-2.8
	6H	-3.9	-3.6	-3.5	-3.2	-2.8	-3.9	-3.6	-3.5	-3.2	-2.8
	8H	-4.0	-3.7	-3.5	-3.3	-2.9	-4.0	-3.7	-3.5	-3.3	-2.9
	12H	-4.0	-3.8	-3.6	-3.3	-2.9	-4.0	-3.8	-3.6	-3.3	-2.9
8H	4H	-4.0	-3.7	-3.5	-3.3	-2.9	-4.0	-3.7	-3.5	-3.3	-2.9
	6H	-4.1	-3.8	-3.6	-3.4	-2.9	-4.1	-3.8	-3.6	-3.4	-2.9
	BH	-4.1	-3.9	-3.6	-3.5	-3.0	-4.1	-3.9	-3.6	-3.5	-3.0
	12H	-4.2	-4.0	-3.7	-3.5	-3.0	-4.2	-4.0	-3.7	-3.5	-3.0
12H	4H	-4.0	-3.8	-3.6	-3.3	-2.9	-4.0	-3.8	-3.6	-3.3	-2.9
	6H	-4.1	-3.9	-3.6	-3.5	-3.0	-4.1	-3.9	-3.6	-3.5	-3.0
	8H	-4.2	-4.0	-3.7	-3.5	-3.0	-4.2	-4.0	-3.7	-3.5	-3.0
Varia	tions wi	th the ol	oserverp	osition	at spacir	ng:	0.0				
S =	1.0H		6	8 / -18	.5	6.8 / -18.5					
	1.5H	9.6 / -18.7					9.6 / -18.7				