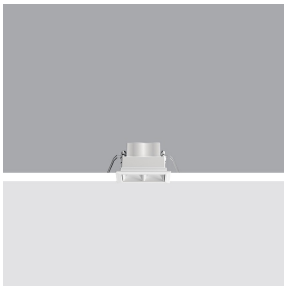
Laser Blade

Design iGuzzini **iGuzzini**

Last information update: June 2025

Product configuration: MK47.01
MK47.01: 2 - cell Recessed luminaire - LED Neutral white flood - 4W 339.8lm - 4000K - CRI 95 - White

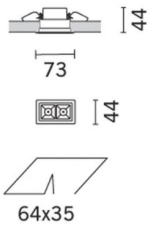


Product code
MK47.01: 2 - cell Recessed luminaire - LED Neutral white flood - 4W 339.8lm - 4000K - CRI 95 - White

Technical description
rectangular miniaturised recessed luminaire with 2 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. Connecting cable supplied. Ballast not included, available with separate code. Neutral white high colour rendering LED.

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

Colour	**Weight (Kg)**
White (01)	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)

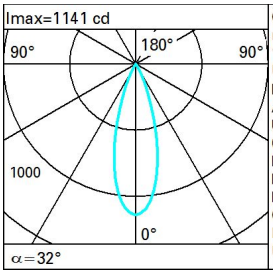
Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Technical data

lm system:	340	Rf (Colour Fidelity Index):	92
W system:	4	Rg (Gamut Index):	98
lm source:	410	Colour temperature [K]:	4000
W source:	4	MacAdam Step:	3
Luminous efficiency (lm/W, real value):	84.9	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	83	ZVEI Code:	LED
Beam angle [°]:	32°	Number of optical assemblies:	1
CRI (minimum):	95	LED current [mA]:	700
CRI (typical):	97		

Polar



CIE
nL 0.83
100-100-100-100-83
UGR <10-<10
DIN
A.61
UTE
0.83A+0.00T
F"1=999
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

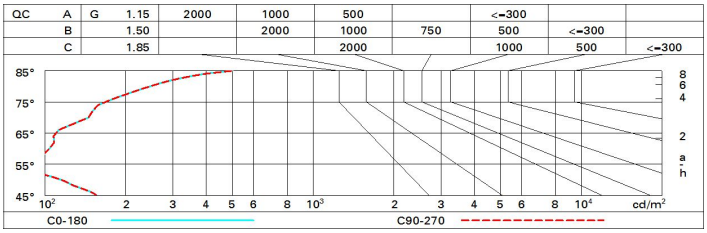
Lux

h	d	Em	Emax
1	0.6	887	1141
2	1.1	222	285
3	1.7	99	127
4	2.3	55	71

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

Corrected UGR values (at 410 lm bare lamp luminous flux)

Riflect.: ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed crosswise					viewed endwise		
x	y										
2H	2H	-2.6	-2.1	-2.3	-1.9	-1.6	-2.6	-2.1	-2.3	-1.9	-1.6
	3H	-2.7	-2.2	-2.4	-1.9	-1.7	-2.7	-2.3	-2.4	-2.0	-1.7
	4H	-2.7	-2.3	-2.4	-2.0	-1.7	-2.8	-2.4	-2.5	-2.1	-1.8
	6H	-2.7	-2.3	-2.3	-2.0	-1.6	-2.9	-2.5	-2.5	-2.1	-1.8
	8H	-2.6	-2.2	-2.3	-1.9	-1.6	-2.9	-2.5	-2.5	-2.2	-1.8
	12H	-2.5	-2.1	-2.1	-1.8	-1.5	-2.9	-2.6	-2.6	-2.2	-1.9
4H	2H	-2.8	-2.4	-2.5	-2.1	-1.8	-2.7	-2.3	-2.4	-2.0	-1.7
	3H	-2.9	-2.5	-2.5	-2.1	-1.8	-2.8	-2.4	-2.4	-2.1	-1.7
	4H	-2.8	-2.5	-2.5	-2.2	-1.8	-2.8	-2.5	-2.5	-2.2	-1.8
	6H	-2.7	-2.5	-2.3	-2.1	-1.6	-2.9	-2.6	-2.5	-2.2	-1.8
	8H	-2.6	-2.4	-2.2	-2.0	-1.5	-2.9	-2.6	-2.5	-2.2	-1.8
	12H	-2.4	-2.2	-2.0	-1.8	-1.3	-2.9	-2.7	-2.5	-2.3	-1.8
8H	4H	-2.9	-2.6	-2.5	-2.2	-1.8	-2.6	-2.4	-2.2	-2.0	-1.5
	6H	-2.7	-2.5	-2.3	-2.1	-1.6	-2.6	-2.4	-2.1	-1.9	-1.4
	8H	-2.5	-2.4	-2.1	-1.9	-1.4	-2.5	-2.4	-2.1	-1.9	-1.4
	12H	-2.2	-2.0	-1.7	-1.5	-1.0	-2.5	-2.3	-2.0	-1.8	-1.3
12H	4H	-2.9	-2.7	-2.5	-2.3	-1.8	-2.4	-2.2	-2.0	-1.8	-1.3
	6H	-2.7	-2.5	-2.2	-2.1	-1.6	-2.3	-2.1	-1.8	-1.6	-1.1
	8H	-2.5	-2.3	-2.0	-1.8	-1.3	-2.2	-2.0	-1.7	-1.5	-1.0

Variations with the observer position at spacing:

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