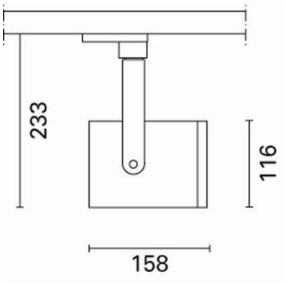
Front Light

Design iGuzzini **iGuzzini**

Last information update: September 2024

Product configuration: MK99
MK99: Spotlight - Small body - LED Warm White - Electronic ballast - Flood Optic



Product code
MK99: Spotlight - Small body - LED Warm White - Electronic ballast - Flood Optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Equipped with ballast. The luminaire comes complete with LED unit.

Installation
On an electrified track

Colour
White (01) | Black (04) | Grey / Black (74)

Weight (Kg)
1.18

Mounting
three circuit track

Wiring
Electronic components housed in the luminaire

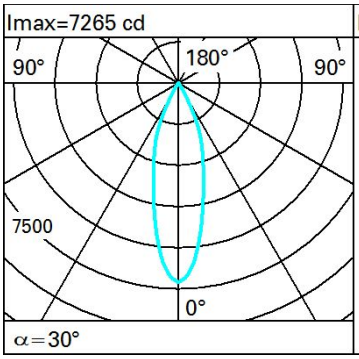
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	2382	CRI (minimum):	80
W system:	23.2	Colour temperature [K]:	3000
lm source:	3100	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	102.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	77	Number of optical assemblies:	1
Beam angle [°]:	30°		

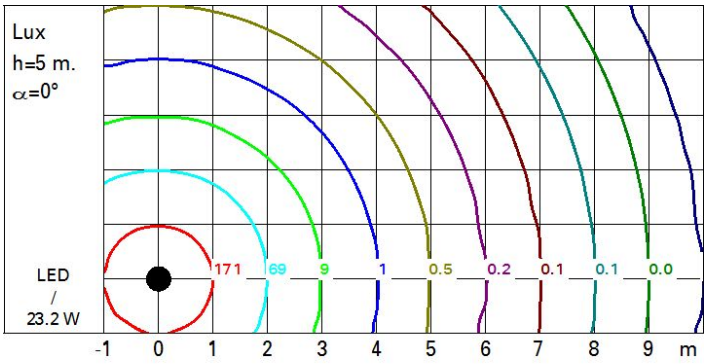
Polar



Lux

h	d	Em	Emax
2	1.1	1356	1816
4	2.1	339	454
6	3.2	151	202
8	4.3	85	114

Isolux



UGR diagram

Corrected UGR values (at 3100 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	10.5	11.1	10.8	11.4	11.6	10.5	11.1	10.8	11.4	11.6
	3H	10.6	11.1	10.9	11.4	11.6	10.5	11.0	10.8	11.3	11.6
	4H	10.6	11.1	10.9	11.3	11.6	10.5	10.9	10.8	11.2	11.5
	6H	10.6	11.0	10.9	11.3	11.6	10.4	10.8	10.7	11.1	11.5
	8H	10.6	11.0	10.9	11.3	11.6	10.4	10.8	10.7	11.1	11.4
	12H	10.5	11.0	10.9	11.3	11.6	10.3	10.7	10.7	11.1	11.4
4H	2H	10.5	10.9	10.8	11.2	11.5	10.6	11.1	10.9	11.3	11.6
	3H	10.5	10.9	10.9	11.3	11.6	10.6	11.0	10.9	11.3	11.7
	4H	10.5	10.9	10.9	11.3	11.7	10.5	10.9	10.9	11.3	11.7
	6H	10.6	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.6
	8H	10.6	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.6
	12H	10.6	10.8	11.0	11.3	11.7	10.4	10.7	10.9	11.1	11.6
8H	4H	10.5	10.8	10.9	11.2	11.6	10.6	10.9	11.0	11.3	11.7
	6H	10.5	10.8	11.0	11.2	11.7	10.6	10.8	11.0	11.3	11.7
	8H	10.6	10.8	11.0	11.2	11.7	10.6	10.8	11.0	11.2	11.7
	12H	10.6	10.7	11.1	11.2	11.7	10.5	10.7	11.0	11.2	11.7
12H	4H	10.4	10.7	10.9	11.1	11.6	10.6	10.8	11.0	11.3	11.7
	6H	10.5	10.7	11.0	11.2	11.7	10.6	10.8	11.0	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.6	10.7	11.1	11.2	11.7

Variations with the observer position at spacing:

S =			
	1.0H	4.2 / -3.7	4.2 / -3.7
	1.5H	6.8 / -4.6	6.8 / -4.6
	2.0H	8.7 / -5.1	8.7 / -5.1