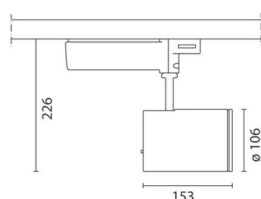


Last information update: October 2023

Product configuration: MK63

MK63: Medium body spotlight - Warm white - electronic ballast and dimmer - wide flood optic



Product code

MK63: Medium body spotlight - Warm white - electronic ballast and dimmer - wide flood optic **Attention! Code no longer in production**

Technical description

Adjustable spotlight with adapter for installation on mains electrified track for high output LED lamp with monochrome emission in a warm white colour. Flood optic. Dimmable electronic ballast. The luminaire is made of die-cast aluminium and thermoplastic material, and allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks and graduated scales for both movements, operated using the same tool on two screws, one at the side of the rod and one on the adapter for the track. Spotlight equipped with accessory holding ring designed to contain a flat accessory. Another external component can also be applied, selected from an asymmetrical screen, an anti-glare screen and directional flaps. All external accessories rotate 360° about the spotlight longitudinal axis.

Installation

On an electrified track

Colour

White (01) | Black (04) | Grey (15)

Mounting

three circuit track

Wiring

Electronic components housed in the luminaire.

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2008.5	CRI:	80
W system:	43	Colour temperature [K]:	3000
Im source:	3000	MacAdam Step:	3
W source:	39	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	46.7	Ballast losses [W]:	4
Im 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.) [%]:	67	ZVEI Code:	LED
Beam angle [°]:	50°	Number of optical assemblies:	1

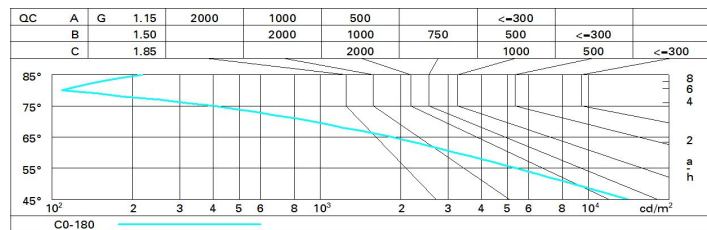
Polar

<p>Imax=3106 cd</p> <p>90° 180° 90°</p> <p>3000</p> <p>0°</p> <p>α = 50°</p>	<p>CIE nL 0.67 92-99-100-100-67 UGR 15.0-15.0 DIN A.61 UTE 0.67A+0.00T F*1=920 F*1+F*2=992 F*1+F*2+F*3=1000 CIBSE BZ1</p>			
	<p>Lux</p>			
	h	d	Em	Emax
	2	1.9	550	777
	4	3.7	137	194
	6	5.6	61	86
	8	7.5	34	49

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	52	50	54	51	51	49	73
1.0	61	58	55	54	57	55	55	52	78
1.5	65	62	60	59	62	60	59	57	85
2.0	67	65	64	63	64	63	62	60	90
2.5	69	67	66	65	66	65	64	62	93
3.0	70	69	68	67	67	67	66	64	95
4.0	71	70	69	68	69	68	67	65	97
5.0	71	70	70	69	69	69	68	66	98

Luminance curve limit



UGR diagram

Photometric curve code: MK090000.Q75											
Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:											
ceiling	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											
x											
y											
2H	2H	15.4	16.0	15.7	16.3	16.5	15.4	16.0	15.7	16.3	16.5
	3H	15.3	15.9	15.6	16.1	16.4	15.3	15.9	15.6	16.2	16.5
	4H	15.2	15.8	15.5	16.1	16.4	15.3	15.8	15.6	16.1	16.4
	6H	15.1	15.6	15.5	16.0	16.3	15.2	15.7	15.5	16.0	16.3
	8H	15.1	15.6	15.5	15.9	16.3	15.1	15.6	15.5	16.0	16.3
	12H	15.1	15.5	15.4	15.9	16.2	15.1	15.6	15.5	15.9	16.3
4H	2H	15.3	15.8	15.6	16.1	16.4	15.2	15.8	15.5	16.1	16.4
	3H	15.2	15.6	15.5	16.0	16.3	15.2	15.6	15.5	16.0	16.3
	4H	15.1	15.5	15.5	15.9	16.2	15.1	15.5	15.5	15.9	16.2
	6H	15.0	15.4	15.4	15.8	16.2	15.0	15.4	15.4	15.8	16.2
	8H	15.0	15.3	15.4	15.7	16.1	15.0	15.3	15.4	15.7	16.1
	12H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.1
8H	4H	15.0	15.3	15.4	15.7	16.1	15.0	15.3	15.4	15.7	16.1
	6H	14.9	15.1	15.3	15.6	16.1	14.9	15.1	15.3	15.6	16.1
	8H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
	12H	14.8	15.0	15.3	15.4	16.0	14.8	15.0	15.3	15.4	16.0
12H	4H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.1
	6H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
	8H	14.8	15.0	15.3	15.4	16.0	14.8	15.0	15.3	15.4	16.0
Variations with the observer position at spacing:											
S =	1.0H	2.7	/ -4.4				2.7	/ -4.4			
	1.5H	5.0	/ -8.0				5.0	/ -8.0			
	2.0H	7.0	/ -11.3				7.0	/ -11.3			