Palco

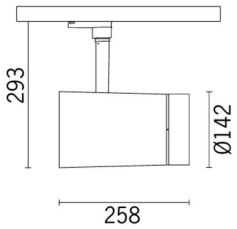
Design Artec Studio **iGuzzini**

Last information update: May 2024

Product configuration: MK27
MK27: Large body spotlight - warm white - electronic ballast - flood optic

Product code
MK27: Large body spotlight - warm white - electronic ballast - flood optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on electrified track for high output LED lamp with monochrome emission in a warm White (3000K) tone. Flood optic (30-35°). Electronic ballast integrated in the product. Luminaire made of die-cast aluminium and thermoplastic material, allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks 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. Passive heat dissipation. Spotlight designed to contain up to two flat accessories simultaneously. Another external component can also be applied, selected from directional flaps and an anti-glare screen. All external accessories rotate 360° about the spotlight longitudinal axis.



Installation
On an electrified track

Colour
White (01) | Black (04)

Weight (Kg)
3.05

Mounting
three circuit track

Wiring
Electronic components housed in the luminaire

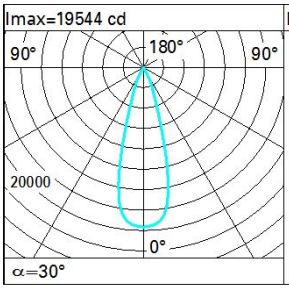
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	5511	CRI (minimum):	90
W system:	59.5	Colour temperature [K]:	3000
lm source:	6900	MacAdam Step:	2
W source:	54	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	92.6	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	30°		

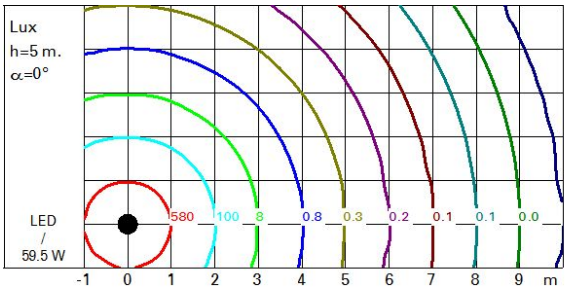
Polar



Lux

h	d	Em	Emax
2	1.1	4100	4886
4	2.1	1025	1222
6	3.2	456	543
8	4.3	256	305

Isolux



UGR diagram

Corrected UGR values (at 6900 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	2.0	4.1	2.4	4.5	4.8	2.0	4.1	2.4	4.5	4.8
	3H	2.2	3.9	2.6	4.2	4.6	2.0	3.7	2.4	4.1	4.4
	4H	2.2	3.7	2.6	4.0	4.3	2.0	3.4	2.4	3.8	4.1
	6H	2.3	3.3	2.6	3.7	4.0	2.0	3.1	2.4	3.4	3.8
	8H	2.2	3.3	2.6	3.6	4.0	2.0	3.0	2.4	3.4	3.8
	12H	2.2	3.2	2.6	3.6	4.0	1.9	3.0	2.3	3.3	3.7
4H	2H	2.0	3.4	2.4	3.8	4.1	2.2	3.7	2.6	4.0	4.3
	3H	2.4	3.4	2.8	3.8	4.1	2.4	3.4	2.8	3.8	4.2
	4H	2.4	3.4	2.8	3.7	4.2	2.4	3.4	2.8	3.7	4.2
	6H	2.1	3.8	2.6	4.3	4.7	2.1	3.8	2.6	4.2	4.7
	8H	2.0	3.9	2.5	4.4	4.9	2.0	3.9	2.5	4.4	4.9
	12H	1.9	3.9	2.4	4.4	4.9	1.9	3.9	2.4	4.3	4.9
8H	4H	2.0	3.9	2.5	4.4	4.9	2.0	3.9	2.5	4.4	4.9
	6H	2.0	3.8	2.5	4.3	4.8	2.0	3.8	2.5	4.3	4.9
	8H	2.0	3.7	2.5	4.2	4.7	2.0	3.7	2.5	4.2	4.7
	12H	2.1	3.2	2.7	3.7	4.3	2.2	3.2	2.7	3.8	4.3
12H	4H	1.9	3.9	2.4	4.3	4.9	1.9	3.9	2.4	4.4	4.9
	6H	2.0	3.6	2.5	4.1	4.7	2.0	3.6	2.5	4.1	4.7
	8H	2.2	3.2	2.7	3.8	4.3	2.1	3.2	2.7	3.7	4.3

Variations with the observer position at spacing:

S =	1.0H	3.2 / -2.2	3.2 / -2.2
	1.5H	5.5 / -3.1	5.5 / -3.1
	2.0H	7.3 / -3.7	7.3 / -3.7