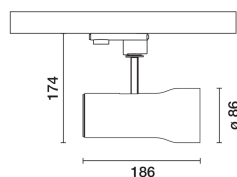


Last information update: February 2025

Product configuration: 446A

446A: SIPARIO Ø86 spotlight - DALI - WideFlood - OBReflector -

**Product code**

446A: SIPARIO Ø86 spotlight - DALI - WideFlood - OBReflector -

Technical description

Ø86 adjustable spotlight with adapter for installation on a base or electrified track. LED lamp with C.O.B. (Chip on board) technology, -CRI97- high colour rendering and 2700K tone.

Die-cast aluminium body with thermoplastic rear cap and front ring (Mass-Balance). The product can be rotated by 360° around the vertical axis with a mechanical lock and tilted by 90° relative to the horizontal plane. Passive heat dissipation.

OptiBeam Reflector optical system with WideFlood optic. Anti-scratch reflector made of P.V.D. (Physical Vapour Deposition) aluminium that can provide optimum performance in terms of light efficiency.

Dimmable electronic DALI-2 power supply integrated in the body of the luminaire.

Spotlight with Push&Go system designed to facilitate and safely accelerate the connection between product and optic accessory.

Mechanically disconnecting the accessory allows it to be disengaged but not dropped. Three internal accessories and one external one can be used simultaneously. All internal accessories rotate 360° about the spotlight longitudinal axis.

Installation

Base or mains voltage track.

Colour

White (01) | Matte black (V0)

Weight (Kg)

0.77

Mounting

three circuit track

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	1857	CRI (minimum):	97
W system:	21.1	Colour temperature [K]:	2700
Im source:	2110	MacAdam Step:	2
W source:	19	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	88	Lamp code:	LED
Im 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.) [%]:	88	Number of optical assemblies:	1
Beam angle [°]:	54°	Control:	DALI-2

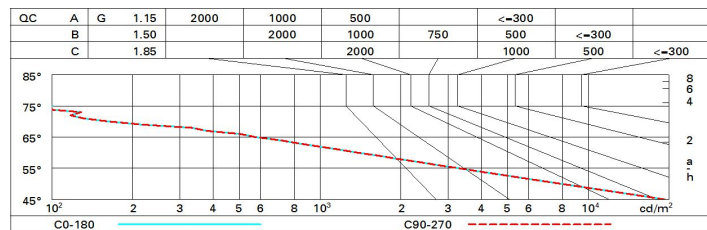
Polar

 $\alpha = 54^\circ$	CIE nL 0.88 98-100-100-100-88 UGR 16.4-16.4 DIN A.61 UTE 0.88A+0.00T F*1=983 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @65°				Lux			
	h	d	Em	Emax				
	2	2	520	652				
	4	4.1	130	163				
	6	6.1	58	72				
	8	8.2	33	41				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	79	75	72	69	74	71	71	68	77
1.0	82	79	76	74	78	75	75	72	82
1.5	87	84	82	80	83	81	80	77	88
2.0	89	87	86	84	86	85	84	81	92
2.5	91	90	88	87	88	87	86	84	95
3.0	92	91	90	89	90	89	88	86	97
4.0	93	92	92	91	91	91	89	87	99
5.0	94	93	93	93	92	91	90	88	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2110 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	10.9	17.5	17.2	17.8	18.0	10.9	17.5	17.2	17.8	18.0
	3H	10.8	17.3	17.1	17.6	17.9	10.8	17.3	17.1	17.6	17.9
	4H	10.7	17.2	17.1	17.5	17.8	10.7	17.2	17.1	17.5	17.8
	6H	10.7	17.1	17.0	17.4	17.7	10.7	17.1	17.0	17.4	17.7
	8H	10.6	17.1	17.0	17.4	17.7	10.6	17.1	17.0	17.4	17.7
	12H	10.6	17.0	17.0	17.3	17.7	10.6	17.0	17.0	17.3	17.7
4H	2H	10.7	17.2	17.1	17.5	17.8	10.7	17.2	17.1	17.5	17.8
	3H	10.6	17.0	17.0	17.3	17.7	10.6	17.0	17.0	17.3	17.7
	4H	10.5	16.9	16.9	17.2	17.6	10.5	16.9	16.9	17.2	17.6
	6H	10.4	16.7	16.8	17.1	17.5	10.4	16.7	16.8	17.1	17.5
	8H	10.4	16.7	16.8	17.1	17.5	10.4	16.7	16.8	17.1	17.5
	12H	10.3	16.6	16.8	17.0	17.5	10.3	16.6	16.8	17.0	17.5
8H	4H	10.4	16.7	16.8	17.1	17.5	10.4	16.7	16.8	17.1	17.5
	6H	10.3	16.5	16.7	17.0	17.4	10.3	16.5	16.7	17.0	17.4
	8H	10.2	16.4	16.7	16.9	17.4	10.2	16.4	16.7	16.9	17.4
	12H	10.2	16.3	16.7	16.8	17.3	10.2	16.3	16.7	16.8	17.3
12H	4H	10.3	16.6	16.8	17.0	17.5	10.3	16.6	16.8	17.0	17.5
	6H	10.2	16.4	16.7	16.9	17.4	10.2	16.4	16.7	16.9	17.4
	8H	10.2	16.3	16.7	16.8	17.3	10.2	16.3	16.7	16.8	17.3
Variations with the observer position at spacing:											
S =		1.0H					5.7 / -15.2				
		1.5H					8.5 / -22.2				
		2.0H					10.5 / -28.0				