

Last information update: February 2025

**Product configuration: 512A**

512A: SIPARIO Ø122 spotlight - DALI - WideFlood - OBLens -

**Product code**

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**Technical description**

Ø122 adjustable spotlight with adapter for installation on a base or electrified track. LED lamp with C.O.B. (Chip on board) technology, -CRI90- high colour rendering and 3000K 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 Lens optical system with WideFlood optic.

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)**

1.82

**Mounting**

three circuit track

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2445	CRI (minimum):	90
W system:	29.4	Colour temperature [K]:	3000
lm source:	3260	MacAdam Step:	2
W source:	26	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	83.2	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.) [%]:	75	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI-2

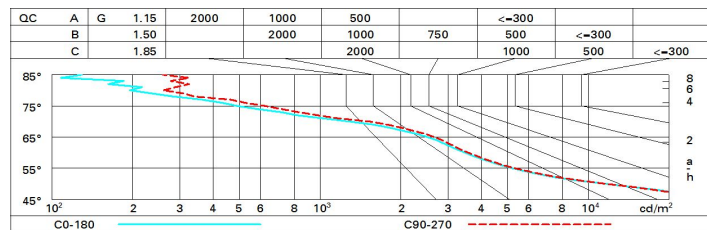
**Polar**

Imax=3759 cd		C30-210		CIE		Lux	
90°		180°		nL 0.75		h d1 d2 Em Emax	
90°		90°		94-100-100-100-75		2 1.7 1.7 717 939	
4000		0°		UGR 17.8-17.5		4 3.4 3.5 179 235	
α = 46°				DIN A.61		6 5.1 5.2 80 104	
				UTE 0.75A+0.00T		8 6.9 7 45 59	
				F*1=942			
				F*1+F*2=996			
				F*1+F*2+F*3=1000			
				CIBSE			
				LG3 L<3000 cd/m² at 65°			
				UGR<19   L<3000 cd/mq @65°			

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	57	61	59	58	56	74
1.0	69	66	63	61	65	62	62	59	79
1.5	73	70	68	67	70	68	67	65	86
2.0	76	74	72	71	73	71	70	68	91
2.5	77	76	74	73	75	73	73	70	94
3.0	78	77	76	75	76	75	74	72	96
4.0	79	78	78	77	77	77	75	73	98
5.0	80	79	79	78	78	77	76	74	99

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 3260 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	18.3	19.0	18.6	19.2	19.4	18.0	18.7	18.3	18.9	19.1
	3H	18.2	18.8	18.5	19.0	19.3	17.9	18.5	18.2	18.8	19.0
	4H	18.1	18.7	18.5	19.0	19.3	17.9	18.4	18.2	18.7	19.0
	6H	18.1	18.5	18.4	18.9	19.2	17.8	18.3	18.1	18.6	18.9
	8H	18.0	18.5	18.4	18.8	19.2	17.7	18.2	18.1	18.5	18.9
	12H	18.0	18.4	18.4	18.8	19.1	17.7	18.1	18.1	18.5	18.8
4H	2H	18.1	18.7	18.5	19.0	19.3	17.9	18.4	18.2	18.7	19.0
	3H	18.0	18.5	18.4	18.8	19.2	17.7	18.2	18.1	18.5	18.9
	4H	17.9	18.3	18.3	18.7	19.1	17.6	18.0	18.0	18.4	18.8
	6H	17.8	18.2	18.3	18.6	19.0	17.6	17.9	18.0	18.3	18.7
	8H	17.8	18.1	18.2	18.5	19.0	17.5	17.8	18.0	18.2	18.7
	12H	17.8	18.0	18.2	18.5	18.9	17.5	17.7	17.9	18.2	18.6
8H	4H	17.8	18.1	18.2	18.5	19.0	17.5	17.8	17.9	18.2	18.7
	6H	17.7	18.0	18.2	18.4	18.9	17.4	17.7	17.9	18.1	18.6
	8H	17.7	17.9	18.1	18.3	18.8	17.4	17.6	17.8	18.1	18.6
	12H	17.6	17.8	18.1	18.3	18.8	17.3	17.5	17.8	18.0	18.5
12H	4H	17.8	18.0	18.2	18.5	18.9	17.5	17.7	17.9	18.2	18.6
	6H	17.7	17.9	18.1	18.3	18.8	17.4	17.6	17.8	18.1	18.5
	8H	17.6	17.8	18.1	18.3	18.8	17.3	17.5	17.8	18.0	18.5
Variations with the observer position at spacing:											
S =	1.0H	4.2 / -9.7					3.9 / -9.6				
	1.5H	6.9 / -12.0					6.6 / -12.0				
	2.0H	8.9 / -13.9					8.6 / -14.3				