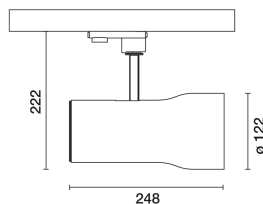# Sipario

Last information update: March 2025

Product configuration: 523A
523A: SIPARIO Ø122 spotlight - DALI - VeryWideFlood - OBLens -

Product code
523A: SIPARIO Ø122 spotlight - DALI - VeryWideFlood - OBLens -

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 4000K 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 VeryWideFlood 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	Weight (Kg)
White (01) | Matte black (V0)	1.82

Mounting
three circuit track

Complies with EN60598-1 and pertinent regulations

IP20   CE   UKCA   [S]   QCERT   pending
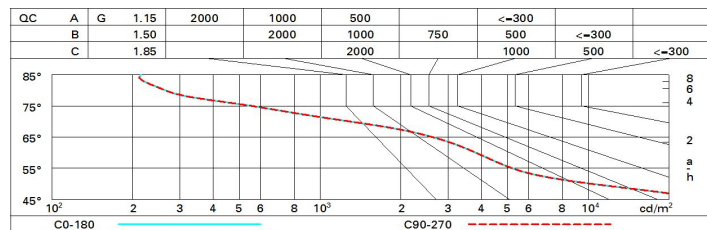
Technical data

lm system:	2603	CRI (minimum):	90
W system:	29.4	Colour temperature [K]:	4000
lm source:	3470	MacAdam Step:	2
W source:	26	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	88.5	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.) [%]:	75	Number of optical assemblies:	1
Beam angle [°]:	60°	Control:	DALI-2

Polar

Imax=2762 cd	CIE
	nL 0.75
90° 180° 90°	94-100-100-100-75
	UGR 18.7-18.7
	DIN
	A.61
	UTE
	0.75A+0.00T
3000	F"1=945
	F"1+F"2=996
	F"1+F"2+F"3=1000
0°	**CIBSE**
	LG3 L<3000 cd/m² at 65°
α=60°	UGR<19 | L<3000 cd/mq @65°

Lux			
h	d	Em	Emax
2	2.3	544	690
4	4.7	136	173
6	7	60	77
8	9.3	34	43
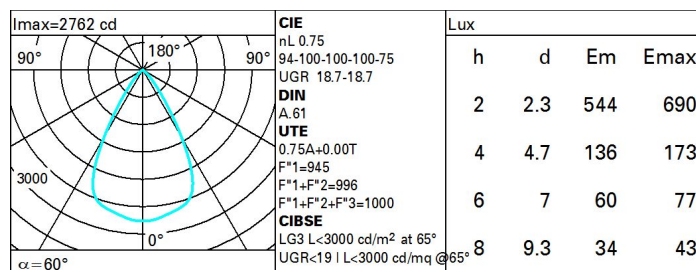
Utilisation factors

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	63	62	60	79
1.5	73	71	68	67	70	68	67	65	86
2.0	76	74	72	71	73	71	70	68	91
2.5	77	76	75	73	75	74	73	71	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

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

| C0-180 ——— | C90-270 ------------ |

UGR diagram

Corrected UGR values (at 3470 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					viewed			
x	y		crosswise					endwise			
2H	2H	19.2	19.9	19.5	20.2	20.4	19.2	19.9	19.5	20.2	20.4
	3H	19.1	19.7	19.4	20.0	20.3	19.1	19.7	19.4	20.0	20.3
	4H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	6H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	8H	18.9	19.4	19.3	19.8	20.1	18.9	19.4	19.3	19.8	20.1
	12H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.1
4H	2H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	3H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.1
	4H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
	6H	18.7	19.1	19.2	19.5	19.9	18.7	19.1	19.2	19.5	19.9
	8H	18.7	19.0	19.1	19.5	19.9	18.7	19.0	19.1	19.5	19.9
	12H	18.7	19.0	19.1	19.4	19.8	18.7	19.0	19.1	19.4	19.8
8H	4H	18.7	19.0	19.1	19.5	19.9	18.7	19.0	19.1	19.5	19.9
	6H	18.6	18.9	19.1	19.3	19.8	18.6	18.9	19.1	19.3	19.8
	8H	18.6	18.8	19.0	19.3	19.8	18.6	18.8	19.0	19.3	19.8
	12H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
12H	4H	18.7	19.0	19.1	19.4	19.8	18.7	19.0	19.1	19.4	19.8
	6H	18.6	18.8	19.0	19.3	19.8	18.6	18.8	19.0	19.3	19.8
	8H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7

Variations with the observer position at spacing:

S =	1.0H	4.6 / -10.7		4.6 / -10.7
	1.5H	7.3 / -12.7		7.3 / -12.7
	2.0H	9.3 / -15.4		9.3 / -15.4