# Sipario

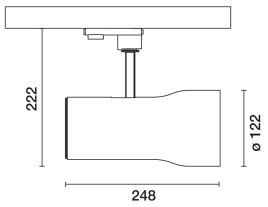
**Design iGuzzini** **iGuzzini**

Last information update: March 2025

**Product configuration: 513A**
513A: SIPARIO Ø122 spotlight - DALI - VeryWideFlood - OBLens -

**Product code**
513A: 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 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 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

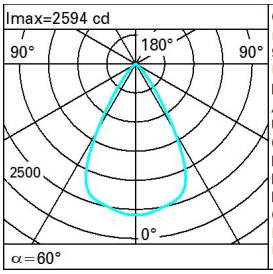
Complies with EN60598-1 and pertinent regulations

IP20

**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 [°]: | 60° | Control: | DALI-2 |

**Polar**




**CIE**
nL 0.75
94-100-100-100-75
UGR 18.5-18.5
**DIN**
A.61
**UTE**
0.75A+0.00T
F"1=945
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°

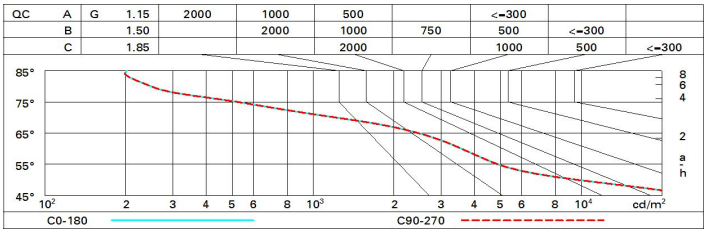
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 2.3 | 511 | 649 |
| 4 | 4.7 | 128 | 162 |
| 6 | 7 | 57 | 72 |
| 8 | 9.3 | 32 | 41 |

**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**




**UGR diagram**

Corrected UGR values (at 3260 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 | 19.0 | 19.7 | 19.3 | 20.0 | 20.2 | 19.0 | 19.7 | 19.3 | 20.0 | 20.2 |
| | 3H | 18.9 | 19.5 | 19.2 | 19.8 | 20.1 | 18.9 | 19.5 | 19.2 | 19.8 | 20.1 |
| | 4H | 18.8 | 19.4 | 19.2 | 19.7 | 20.0 | 18.8 | 19.4 | 19.2 | 19.7 | 20.0 |
| | 6H | 18.8 | 19.3 | 19.1 | 19.6 | 19.9 | 18.8 | 19.3 | 19.1 | 19.6 | 19.9 |
| | 8H | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | 18.7 | 19.2 | 19.1 | 19.6 | 19.9 |
| | 12H | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 |
| 4H | 2H | 18.8 | 19.4 | 19.2 | 19.7 | 20.0 | 18.8 | 19.4 | 19.2 | 19.7 | 20.0 |
| | 3H | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 |
| | 4H | 18.6 | 19.0 | 19.0 | 19.4 | 19.8 | 18.6 | 19.0 | 19.0 | 19.4 | 19.8 |
| | 6H | 18.5 | 18.9 | 19.0 | 19.3 | 19.7 | 18.5 | 18.9 | 19.0 | 19.3 | 19.7 |
| | 8H | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 |
| | 12H | 18.4 | 18.7 | 18.9 | 19.2 | 19.6 | 18.4 | 18.7 | 18.9 | 19.2 | 19.6 |
| 8H | 4H | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 |
| | 6H | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 |
| | 8H | 18.3 | 18.6 | 18.8 | 19.0 | 19.5 | 18.3 | 18.6 | 18.8 | 19.0 | 19.5 |
| | 12H | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 |
| 12H | 4H | 18.4 | 18.7 | 18.9 | 19.2 | 19.6 | 18.4 | 18.7 | 18.9 | 19.2 | 19.6 |
| | 6H | 18.3 | 18.6 | 18.8 | 19.0 | 19.5 | 18.3 | 18.6 | 18.8 | 19.0 | 19.5 |
| | 8H | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 |

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 |