

Last information update: May 2025

**Product configuration: 375A.01**

375A.01: SIPARIO Ø86 spotlight - CASAMBI - WideFlood - OBLens - - 18.1W 1279.8lm - 2700K - CRI 97 - White

**Product code**

375A.01: SIPARIO Ø86 spotlight - CASAMBI - WideFlood - OBLens - - 18.1W 1279.8lm - 2700K - CRI 97 - White

**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 Lens optical system with WideFlood optic.

Body complete with dimmable power supply unit and Casambi protocol positioned inside the product track adapter. The components used allow the products to be controlled with the Casambi system app and components, enabling on-off, dimming and scene recall functions and allowing multiple luminaires to operate in a Casambi mesh network. 2.4 GHz bluetooth frequency. The app is available on the Apple Store and Google Play Store. Integrated Beacon that can be activated via an app (iBeacon) that enables smart functions for third party applications and the Jiminy Push Notification app.

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)

**Weight (Kg)**

0.87

**Mounting**

three circuit track

**Notes**

Max distance between product and product 8 m.

The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system.

Complies with EN60598-1 and pertinent regulations

**Technical data**

|  |      |  |   |
|--|------|--|---|
| lm system:   | 1280 | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)   |
| W system:  | 18.1 | Lamp code:   | LED   |
| lm source:   | 1620 | Number of lamps for optical assembly:                                    | 1   |
| W source:  | 16   | ZVEI Code:   | LED   |
| Luminous efficiency (lm/W, real value):            | 70.7 | Number of optical assemblies:  | 1   |
| lm in emergency mode:                              | -    | Power factor:  | See installation instructions   |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Inrush current:  | 20 A / - µs   |
| Light Output Ratio (L.O.R.) [%]:                   | 79   | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 50 luminaires<br>B16A: 80 luminaires<br>C10A: 83 luminaires<br>C16A: 136 luminaires |
| Beam angle [°]:                                    | 47°  | Minimum dimming %:   | 1   |
| CRI (minimum):                                     | 97   | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode   |
| Colour temperature [K]:                            | 2700 | Control:   | Casambi   |
| MacAdam Step:                                      | 2    |  |   |

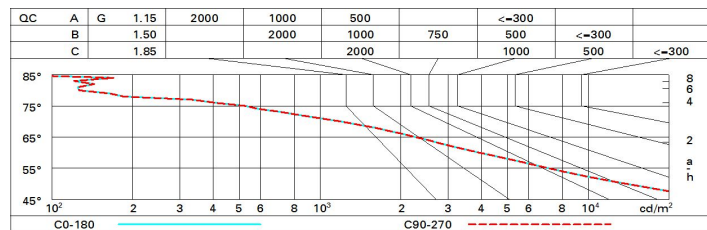
**Polar**

|       |   |     |     |      |            |   |    |      |
|-------|---|-----|-----|------|------------|---|----|------|
|       | <b>CIE</b><br>nL 0.79<br>94-100-100-100-79<br>UGR 17.9-17.9<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.79A+0.00T<br>F*1=940<br>F*1+F*2=996<br>F*1+F*2+F*3=1000<br><b>CIBSE</b><br>LG3 L<3000 cd/m² at 65°<br>UGR<19   L<3000 cd/mq @65° |     |     |      | <b>Lux</b> |   |    |      |
|       | h   | d   | Em  | Emax | h          | d | Em | Emax |
|       | 2   | 1.7 | 375 | 484  |            |   |    |      |
|       | 4   | 3.5 | 94  | 121  |            |   |    |      |
|       | 6   | 5.2 | 42  | 54   |            |   |    |      |
| α=47° | 8   | 7   | 23  | 30   |            |   |    |      |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 69 | 65 | 62 | 60 | 64 | 62 | 61 | 58 | 74  |
| 1.0  | 73 | 69 | 66 | 64 | 68 | 66 | 65 | 63 | 79  |
| 1.5  | 77 | 74 | 72 | 70 | 73 | 71 | 71 | 68 | 86  |
| 2.0  | 80 | 78 | 76 | 74 | 76 | 75 | 74 | 72 | 91  |
| 2.5  | 81 | 80 | 78 | 77 | 79 | 77 | 76 | 74 | 94  |
| 3.0  | 82 | 81 | 80 | 79 | 80 | 79 | 78 | 76 | 96  |
| 4.0  | 83 | 82 | 82 | 81 | 81 | 81 | 79 | 77 | 98  |
| 5.0  | 84 | 83 | 83 | 82 | 82 | 81 | 80 | 78 | 99  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 1620 lm bare lamp luminous flux)        |      |                     |      |      |      |      |                   |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |      | viewed<br>crosswise |      |      |      |      | viewed<br>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   | 18.4                | 19.1 | 18.7 | 19.3 | 19.5 | 18.4              | 19.1 | 18.7 | 19.3 | 19.5 |
|  | 3H   | 18.3                | 18.9 | 18.6 | 19.1 | 19.4 | 18.3              | 18.9 | 18.6 | 19.2 | 19.4 |
|  | 4H   | 18.2                | 18.8 | 18.6 | 19.1 | 19.4 | 18.2              | 18.8 | 18.6 | 19.1 | 19.4 |
|  | 6H   | 18.2                | 18.6 | 18.5 | 19.0 | 19.3 | 18.2              | 18.7 | 18.5 | 19.0 | 19.3 |
|  | 8H   | 18.1                | 18.6 | 18.5 | 18.9 | 19.3 | 18.1              | 18.6 | 18.5 | 18.9 | 19.3 |
|  | 12H  | 18.1                | 18.5 | 18.5 | 18.9 | 19.2 | 18.1              | 18.5 | 18.5 | 18.9 | 19.2 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 4H   | 2H   | 18.2                | 18.8 | 18.6 | 19.1 | 19.4 | 18.2              | 18.8 | 18.6 | 19.1 | 19.4 |
|  | 3H   | 18.1                | 18.6 | 18.5 | 18.9 | 19.2 | 18.1              | 18.6 | 18.5 | 18.9 | 19.2 |
|  | 4H   | 18.0                | 18.4 | 18.4 | 18.8 | 19.2 | 18.0              | 18.4 | 18.4 | 18.8 | 19.2 |
|  | 6H   | 17.9                | 18.3 | 18.4 | 18.7 | 19.1 | 17.9              | 18.3 | 18.4 | 18.7 | 19.1 |
|  | 8H   | 17.9                | 18.2 | 18.3 | 18.6 | 19.1 | 17.9              | 18.2 | 18.3 | 18.6 | 19.1 |
|  | 12H  | 17.8                | 18.1 | 18.3 | 18.6 | 19.0 | 17.8              | 18.1 | 18.3 | 18.6 | 19.0 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 8H   | 4H   | 17.9                | 18.2 | 18.3 | 18.6 | 19.1 | 17.9              | 18.2 | 18.3 | 18.6 | 19.1 |
|  | 6H   | 17.8                | 18.1 | 18.3 | 18.5 | 19.0 | 17.8              | 18.1 | 18.3 | 18.5 | 19.0 |
|  | 8H   | 17.7                | 18.0 | 18.2 | 18.4 | 18.9 | 17.7              | 18.0 | 18.2 | 18.4 | 18.9 |
|  | 12H  | 17.7                | 17.9 | 18.2 | 18.4 | 18.9 | 17.7              | 17.9 | 18.2 | 18.4 | 18.9 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 12H  | 4H   | 17.8                | 18.1 | 18.3 | 18.6 | 19.0 | 17.8              | 18.1 | 18.3 | 18.6 | 19.0 |
|  | 6H   | 17.7                | 18.0 | 18.2 | 18.4 | 18.9 | 17.7              | 18.0 | 18.2 | 18.4 | 18.9 |
|  | 8H   | 17.7                | 17.9 | 18.2 | 18.4 | 18.9 | 17.7              | 17.9 | 18.2 | 18.4 | 18.9 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| Variations with the observer position at spacing:                |      |                     |      |      |      |      |                   |      |      |      |      |
| S =  | 1.0H | 4.0 / -8.3          |      |      |      |      | 4.0 / -8.3        |      |      |      |      |
|  | 1.5H | 6.7 / -12.5         |      |      |      |      | 6.7 / -12.5       |      |      |      |      |
|  | 2.0H | 8.6 / -15.4         |      |      |      |      | 8.6 / -15.4       |      |      |      |      |