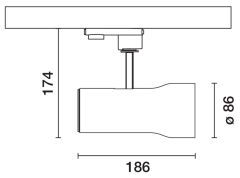
Sipario

Design iGuzzini **iGuzzini**

Last information update: February 2025

Product configuration: 464A
464A: SIPARIO Ø86 spotlight - CASAMBI - WideFlood - OBReflector -



Product code
464A: SIPARIO Ø86 spotlight - CASAMBI - 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, -CRI90- high colour rendering and 3500K 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.
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	**Weight (Kg)**
White (01) | Matte black (V0)	0.77

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

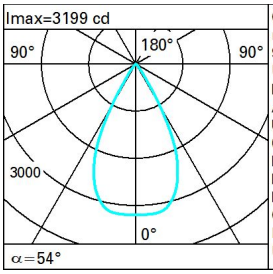
IP20

Technical data

lm system:	2279
W system:	21.8
lm source:	2590
W source:	19
Luminous efficiency (lm/W, real value):	104.6
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	88
Beam angle [°]:	54°
CRI (minimum):	90
Colour temperature [K]:	3500
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	20 A / 25 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 34 luminaires B16A: 55 luminaires C10A: 57 luminaires C16A: 93 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	Casambi

Polar



CIE
nL 0.88
98-100-100-100-88
UGR 17.1-17.1
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 I L<1500 cd/mq @65°

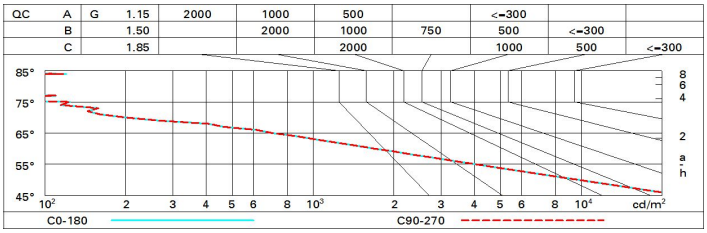
Lux

h	d	Em	Emax
2	2	638	800
4	4.1	160	200
6	6.1	71	89
8	8.2	40	50

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 2590 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	17.7	18.2	17.9	18.5	18.7	17.7	18.2	17.9	18.5	18.7
	3H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
	4H	17.5	17.9	17.8	18.2	18.5	17.5	17.9	17.8	18.2	18.5
	6H	17.4	17.8	17.7	18.1	18.5	17.4	17.8	17.7	18.1	18.5
	8H	17.3	17.8	17.7	18.1	18.4	17.3	17.8	17.7	18.1	18.4
	12H	17.3	17.7	17.7	18.0	18.4	17.3	17.7	17.7	18.1	18.4
4H	2H	17.5	17.9	17.8	18.2	18.5	17.5	17.9	17.8	18.2	18.5
	3H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
	4H	17.2	17.6	17.6	17.9	18.3	17.2	17.6	17.6	17.9	18.3
	6H	17.1	17.4	17.6	17.8	18.3	17.1	17.4	17.6	17.8	18.3
	8H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	12H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
8H	4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	6H	17.0	17.2	17.5	17.7	18.1	17.0	17.2	17.5	17.7	18.1
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	12H	16.9	17.1	17.4	17.5	18.1	16.9	17.1	17.4	17.5	18.1
12H	4H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	6H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	8H	16.9	17.1	17.4	17.5	18.1	16.9	17.1	17.4	17.5	18.1

Variations with the observer position at spacing:

S =			
	1.0H	5.7 / -15.2	5.7 / -15.2
	1.5H	8.5 / -22.2	8.5 / -22.2
	2.0H	10.5 / -28.0	10.5 / -28.0