Sipario

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: 443A
443A: SIPARIO Ø86 spotlight - DALI - WideFlood - OBReflector -

Product code
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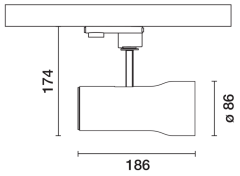
Technical description
Ø86 adjustable spotlight with adapter for installation on a base or electrified track. LED lamp with C.O.B. (Chip on board) technology, -CRI90- high colour rendering and 4000K tone.
Die-cast aluminium body with thermoplastic rear cap and front ring (Mass-Balance). The product can 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 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.
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)	0.77

Mounting
three circuit track

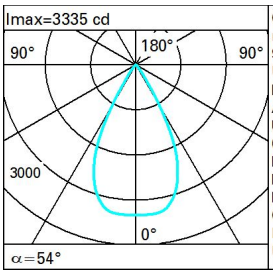
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	2376	CRI (minimum):	90
W system:	21.1	Colour temperature [K]:	4000
lm source:	2700	MacAdam Step:	2
W source:	19	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	112.6	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.) [%]:	88	Number of optical assemblies:	1
Beam angle [°]:	54°	Control:	DALI-2

Polar



CIE
nL 0.88
98-100-100-100-88
UGR 17.2-17.2
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°

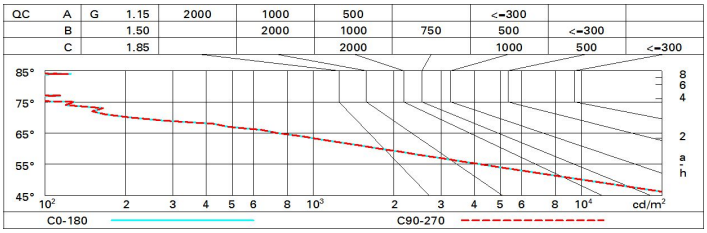
Lux

h	d	Em	Emax
2	2	666	834
4	4.1	166	208
6	6.1	74	93
8	8.2	42	52

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 2700 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	17.8	18.4	18.1	18.6	18.8	17.8	18.4	18.1	18.6	18.8
	3H	17.7	18.2	18.0	18.5	18.7	17.7	18.2	18.0	18.5	18.7
	4H	17.6	18.1	17.9	18.4	18.7	17.6	18.1	17.9	18.4	18.7
	6H	17.5	18.0	17.9	18.3	18.6	17.5	18.0	17.9	18.3	18.6
	8H	17.5	17.9	17.8	18.2	18.6	17.5	17.9	17.8	18.2	18.6
	12H	17.4	17.9	17.8	18.2	18.5	17.4	17.9	17.8	18.2	18.5
4H	2H	17.6	18.1	17.9	18.4	18.7	17.6	18.1	17.9	18.4	18.7
	3H	17.5	17.9	17.8	18.2	18.5	17.5	17.9	17.8	18.2	18.5
	4H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1	18.5
	6H	17.3	17.6	17.7	18.0	18.4	17.3	17.6	17.7	18.0	18.4
	8H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	12H	17.2	17.4	17.6	17.9	18.3	17.2	17.4	17.6	17.9	18.3
8H	4H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	6H	17.1	17.4	17.6	17.8	18.3	17.1	17.4	17.6	17.8	18.3
	8H	17.1	17.3	17.6	17.7	18.2	17.1	17.3	17.6	17.7	18.2
	12H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
12H	4H	17.2	17.4	17.6	17.9	18.3	17.2	17.4	17.6	17.9	18.3
	6H	17.1	17.3	17.6	17.7	18.2	17.1	17.3	17.6	17.7	18.2
	8H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2

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