Tecnica Evo

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: 7979.01
7979.01: body Ø 117 mm - very wide flood optic - DALI - 38.1W 5263lm - 4000K - White

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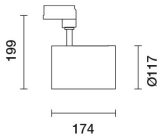
Technical description
Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Built-in dimmable DALI ballast. Luminaire complete with C.O.B. technology LED unit in neutral white colour 4000K. Anti-scratch reflector made of P.V.D (physical vapour deposition) aluminium that can provide optimum performance in terms of light efficiency. very wide flood optic. Possibility of installing a flat accessory, like a glass cover or an elliptical distribution refractor.

Installation
On an electrified track or special base

Colour
White (01)

Weight (Kg)
1.17



Mounting
three circuit track

Wiring
Product complete with DALI components

Complies with EN60598-1 and pertinent regulations

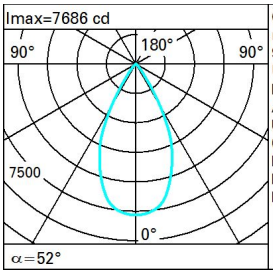
IP20 IP40 With accessory installed

Technical data

lm system:	5263	Rf (Colour Fidelity Index):	83
W system:	38.1	Rg (Gamut Index):	94
lm source:	5540	Colour temperature [K]:	4000
W source:	34	MacAdam Step:	2
Luminous efficiency (lm/W, real value):	138.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	95	ZVEI Code:	LED
Beam angle [°]:	52°	Number of optical assemblies:	1
CRI (minimum):	80	Control:	DALI-2

Polar

Imax=7686 cd



CIE
nL 0.95
97-100-100-100-95
UGR 19.7-19.7
DIN
A.61
UTE
0.95A+0.00T
F"1=969
F"1+F"2=997
F"1+F"2+F"3=1000

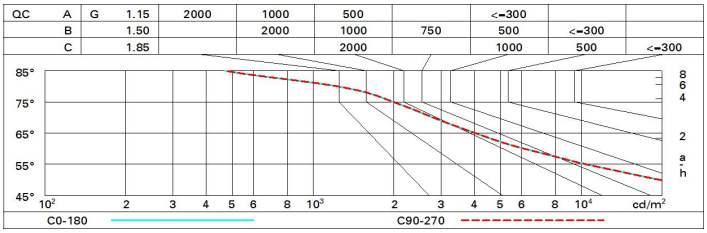
Lux

h	d	Em	Emax
2	2	1468	1922
4	3.9	367	480
6	5.9	163	214
8	7.8	92	120

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	85	80	76	74	79	76	76	72	76
1.0	88	84	81	79	83	81	80	77	81
1.5	93	90	88	86	89	87	86	83	87
2.0	96	94	92	91	93	91	90	87	92
2.5	98	96	95	94	95	94	93	90	95
3.0	99	98	97	96	97	96	94	92	97
4.0	101	100	99	98	98	97	96	94	99
5.0	101	101	100	100	99	98	97	95	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5540 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	20.2	20.8	20.5	21.1	21.3	20.2	20.8	20.5	21.1	21.3
	3H	20.1	20.7	20.4	20.9	21.2	20.1	20.7	20.4	20.9	21.2
	4H	20.0	20.5	20.4	20.8	21.1	20.0	20.5	20.4	20.8	21.1
	6H	20.0	20.4	20.3	20.7	21.1	20.0	20.4	20.3	20.7	21.1
	8H	19.9	20.4	20.3	20.7	21.0	19.9	20.4	20.3	20.7	21.0
	12H	19.9	20.3	20.3	20.7	21.0	19.9	20.3	20.3	20.7	21.0
4H	2H	20.0	20.5	20.4	20.8	21.1	20.0	20.5	20.4	20.8	21.1
	3H	19.9	20.3	20.3	20.7	21.0	19.9	20.3	20.3	20.7	21.0
	4H	19.8	20.2	20.2	20.6	21.0	19.8	20.2	20.2	20.6	21.0
	6H	19.7	20.1	20.2	20.5	20.9	19.7	20.1	20.2	20.5	20.9
	8H	19.7	20.0	20.1	20.4	20.8	19.7	20.0	20.1	20.4	20.8
	12H	19.6	19.9	20.1	20.3	20.8	19.6	19.9	20.1	20.3	20.8
8H	4H	19.7	20.0	20.1	20.4	20.8	19.7	20.0	20.1	20.4	20.8
	6H	19.6	19.8	20.1	20.3	20.8	19.6	19.8	20.1	20.3	20.8
	8H	19.5	19.8	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.7
	12H	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.7
12H	4H	19.6	19.9	20.1	20.3	20.8	19.6	19.9	20.1	20.3	20.8
	6H	19.5	19.8	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.7
	8H	19.5	19.7	20.0	20.2	20.7	19.5	19.7	20.0	20.2	20.7

Variations with the observer position at spacing:

S =			
	1.0H	5.5 / -10.6	5.5 / -10.6
	1.5H	8.3 / -13.6	8.3 / -13.6
	2.0H	10.3 / -15.0	10.3 / -15.0