Tecnica Evo

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: R353.01
R353.01: body Ø 117 mm - Wide flood optic - 38.1W 5152.2lm - 4000K - White

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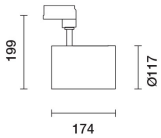
Technical description
Adjustable mediumlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. mediumlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Built-in dimmable DALI ballast. 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. Wide flood optic. Possibility of installing a flat accessory, like a glass cover or an elliptical distribution refractor. Interchangeable reflectors that can be ordered as an accessory.

Installation
On an electrified track or special base

Colour	**Weight (Kg)**
White (01)	1.1



Mounting
three circuit track

Wiring
Product complete with DALI components

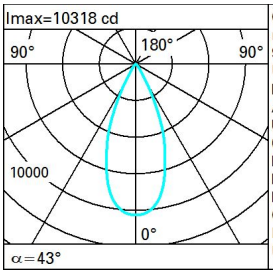
Complies with EN60598-1 and pertinent regulations

IP20 IP40 With accessory installed

Technical data

lm system:	5152	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):	135.2	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.) [%]:	93	ZVEI Code:	LED
Beam angle [°]:	42°	Number of optical assemblies:	1
CRI (minimum):	80	Control:	DALI-2

Polar



CIE
nL 0.93
98-100-100-100-93
UGR 15.9-15.9
DIN
A.61
UTE
0.93A+0.00T
F"1=979
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

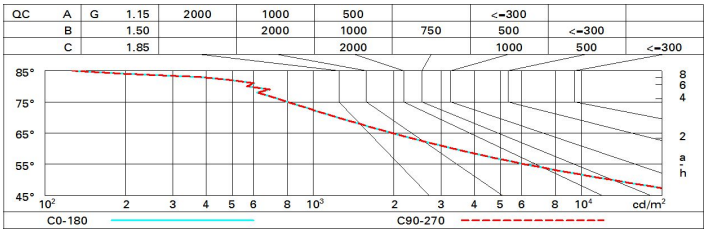
Lux

h	d	Em	Emax
2	1.6	2023	2580
4	3.1	506	645
6	4.7	225	287
8	6.3	126	161

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	83	79	76	73	78	75	75	72	77
1.0	87	83	80	78	82	79	79	76	82
1.5	92	89	86	84	87	85	84	82	88
2.0	94	92	90	89	91	89	88	86	92
2.5	96	95	93	92	93	92	91	88	95
3.0	97	96	95	94	95	94	93	90	97
4.0	99	98	97	96	96	96	94	92	99
5.0	99	99	98	98	97	97	95	93	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	16.5	17.1	16.8	17.4	17.6	16.5	17.1	16.8	17.4	17.6
	3H	16.4	16.9	16.7	17.2	17.5	16.4	16.9	16.7	17.2	17.5
	4H	16.3	16.8	16.6	17.1	17.4	16.3	16.8	16.6	17.1	17.4
	6H	16.2	16.7	16.6	17.0	17.3	16.2	16.7	16.6	17.0	17.3
	8H	16.2	16.6	16.6	17.0	17.3	16.2	16.7	16.6	17.0	17.3
	12H	16.2	16.6	16.5	16.9	17.3	16.2	16.6	16.5	16.9	17.3
4H	2H	16.3	16.8	16.6	17.1	17.4	16.3	16.8	16.6	17.1	17.4
	3H	16.2	16.6	16.5	16.9	17.3	16.2	16.6	16.5	16.9	17.3
	4H	16.1	16.5	16.5	16.8	17.2	16.1	16.5	16.5	16.8	17.2
	6H	16.0	16.3	16.4	16.7	17.1	16.0	16.3	16.4	16.7	17.1
	8H	15.9	16.3	16.4	16.7	17.1	15.9	16.3	16.4	16.7	17.1
	12H	15.9	16.2	16.4	16.6	17.1	15.9	16.2	16.4	16.6	17.1
8H	4H	15.9	16.3	16.4	16.7	17.1	15.9	16.3	16.4	16.7	17.1
	6H	15.9	16.1	16.3	16.6	17.0	15.9	16.1	16.3	16.6	17.0
	8H	15.8	16.0	16.3	16.5	17.0	15.8	16.0	16.3	16.5	17.0
	12H	15.8	15.9	16.3	16.4	16.9	15.8	15.9	16.3	16.4	16.9
12H	4H	15.9	16.2	16.4	16.6	17.1	15.9	16.2	16.4	16.6	17.1
	6H	15.8	16.0	16.3	16.5	17.0	15.8	16.0	16.3	16.5	17.0
	8H	15.8	15.9	16.3	16.4	16.9	15.8	15.9	16.3	16.4	16.9

Variations with the observer position at spacing:

S =			
	1.0H	4.9 / -10.8	4.9 / -10.8
	1.5H	7.6 / -14.7	7.6 / -14.7
	2.0H	9.6 / -16.7	9.6 / -16.7