Tecnica Evo

Design iGuzzini **iGuzzini**

Last information update: February 2025

Product configuration: RG29
RG29: Pendant Tecnica Evo - Ø117 body - DALI

Product code
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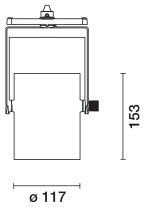
Technical description
Pendant luminaire fitted with an adapter for installation on an electrified DALI track. High yield LED lamp. Die-cast aluminium luminaire. Optical system with high performance P.V.D. (Physical Vapour Deposition) anti-scratch aluminium reflector that offers an excellent light efficiency ratio. Balanced pendant system with double steel cable and adjustment system. Fitted with mechanical aiming locks, so rotation and tilting movements can be locked in position to ensure efficient light aiming even after the original installation or during maintenance. Integrated DALI dimmable power supply unit. Designed to house other optical accessories in the range. Interchangeable reflectors are available, which allow the emission angle to be varied as required, even after the original installation.

Installation
Installation on an electrified track.



Colour
White (01) | Black (04)

Weight (Kg)
1.47

Mounting
dali track

Wiring
Built-in DALI dimmable power supply.

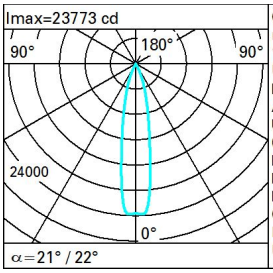
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	4497	CRI (minimum):	80
W system:	38.2	Colour temperature [K]:	3000
lm source:	5290	MacAdam Step:	2
W source:	34	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	117.7	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.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	22°	Control:	DALI-2

Polar



CIE
nL 0.85
100-100-100-100-85
UGR <10-<10
DIN
A.61
UTE
0.85A+0.00T
F"1=998
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

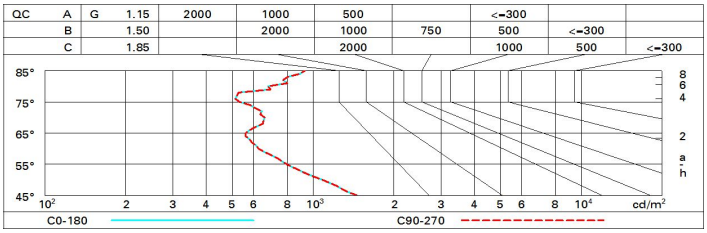
Lux

h	d	Em	Emax
2	0.7	4762	5928
4	1.5	1191	1482
6	2.2	529	659
8	3	298	371

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	73	73	70	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	89	88	88	86	84	99
5.0	91	90	90	90	89	89	87	85	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5290 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	-4.9	-2.8	-4.6	-2.5	-2.1	-4.9	-2.8	-4.6	-2.5	-2.1
	3H	-4.5	-2.8	-4.1	-2.5	-2.2	-4.9	-3.3	-4.5	-2.9	-2.6
	4H	-4.2	-2.9	-3.9	-2.6	-2.2	-4.9	-3.5	-4.5	-3.2	-2.8
	6H	-3.9	-2.9	-3.5	-2.6	-2.2	-4.8	-3.8	-4.4	-3.5	-3.1
	8H	-3.7	-2.7	-3.3	-2.4	-2.0	-4.9	-3.9	-4.5	-3.5	-3.1
	12H	-3.5	-2.5	-3.1	-2.2	-1.8	-4.9	-3.9	-4.5	-3.5	-3.2
4H	2H	-4.9	-3.5	-4.5	-3.2	-2.8	-4.2	-2.9	-3.9	-2.6	-2.2
	3H	-4.2	-3.1	-3.8	-2.8	-2.4	-4.0	-2.9	-3.6	-2.6	-2.2
	4H	-3.9	-2.8	-3.4	-2.5	-2.0	-3.9	-2.8	-3.4	-2.5	-2.0
	6H	-3.7	-2.0	-3.3	-1.6	-1.1	-4.1	-2.3	-3.6	-1.9	-1.4
	8H	-3.5	-1.6	-3.0	-1.1	-0.6	-4.1	-2.2	-3.7	-1.7	-1.2
	12H	-3.3	-1.3	-2.8	-0.8	-0.3	-4.2	-2.2	-3.7	-1.7	-1.2
8H	4H	-4.1	-2.2	-3.7	-1.7	-1.2	-3.5	-1.6	-3.0	-1.1	-0.6
	6H	-3.5	-1.7	-3.0	-1.2	-0.7	-3.2	-1.4	-2.7	-0.9	-0.4
	8H	-3.1	-1.5	-2.5	-1.0	-0.4	-3.1	-1.5	-2.5	-1.0	-0.4
	12H	-2.4	-1.4	-1.9	-0.9	-0.3	-2.7	-1.7	-2.2	-1.2	-0.7
12H	4H	-4.2	-2.2	-3.7	-1.7	-1.2	-3.3	-1.3	-2.8	-0.8	-0.3
	6H	-3.4	-1.8	-2.9	-1.3	-0.8	-2.8	-1.2	-2.3	-0.7	-0.2
	8H	-2.7	-1.7	-2.2	-1.2	-0.7	-2.4	-1.4	-1.9	-0.9	-0.3

Variations with the observer position at spacing:

S =		
1.0H	1.9 / -0.9	1.9 / -0.9
1.5H	3.7 / -1.3	3.7 / -1.3
2.0H	5.3 / -1.5	5.3 / -1.5