View Opti Linear

Design iGuzzini / Arup **iGuzzini**

Last information update: September 2024

Product configuration: P644
P644: large body - warm white - wide flood optic

Product code
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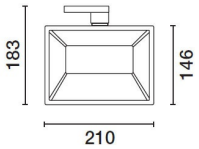
Technical description
Adjustable spotlight with adapter for installation on electrified track for a linear PCB LED lamp with a Warm White (3000K) tone. Product complete with super pure anodized aluminium reflector to guarantee wide flood light distribution. DALI ballast integrated in the body. Die-cast aluminium optical assembly. Rotates 360° about the vertical axis and tilts 90° relative to the horizontal plane. Passive heat dissipation. Option of installing a range of outdoor accessories including an anti-glare and an asymmetric screen.

Installation
On an electrified track or base

Colour
Black (04) | Black / White (47)

Weight (Kg)
2.11



Mounting
three circuit track|ceiling surface

Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

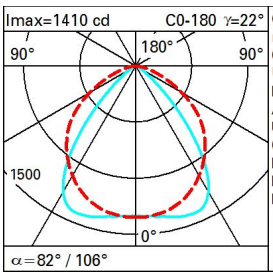
IP20 IP40 for optical assembly

Technical data

lm system:	2993
W system:	34.3
lm source:	3650
W source:	30
Luminous efficiency (lm/W, real value):	87.3
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	82
Beam angle [°]:	82° / 106°
CRI (minimum):	90
Colour temperature [K]:	3000
MacAdam Step:	3

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:	24 A / 192 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 8 luminaires B16A: 14 luminaires C10A: 14 luminaires C16A: 23 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	DALI-2

Polar



CIE
nL 0.82
64-92-99-100-82
UGR 26.5-32.4
DIN
A.51
UTE
0.82C+0.00T
F"1=637
F"1+F"2=917
F"1+F"2+F"3=989

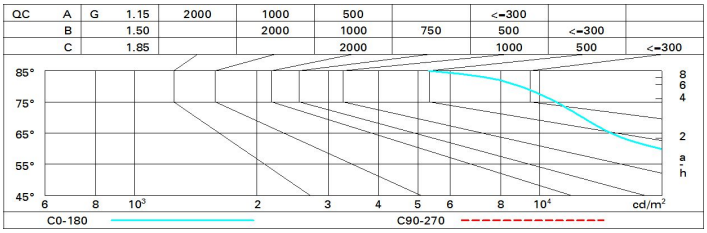
Lux

h	d1	d2	Em	Emax
1	1.7	2.7	900	1344
2	3.5	5.3	225	336
3	5.2	8	100	149
4	6.9	10.6	56	84

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	60	53	48	44	52	47	47	42	51
1.0	65	59	54	50	58	53	53	48	59
1.5	73	68	64	61	67	63	62	58	71
2.0	77	73	70	67	72	69	68	64	78
2.5	80	76	74	71	75	72	72	68	83
3.0	81	79	76	74	77	75	74	71	86
4.0	83	81	79	77	79	78	76	73	89
5.0	84	82	81	79	81	79	78	75	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 3650 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	26.0	26.9	26.3	27.2	27.4	31.2	32.1	31.5	32.3	32.6
	3H	26.0	26.8	26.3	27.0	27.3	31.2	32.0	31.5	32.3	32.5
	4H	25.9	26.7	26.3	27.0	27.3	31.1	31.9	31.5	32.2	32.5
	6H	25.9	26.5	26.2	26.9	27.2	31.0	31.7	31.4	32.0	32.4
	8H	25.8	26.5	26.2	26.8	27.2	31.0	31.7	31.4	32.0	32.3
	12H	25.8	26.4	26.2	26.8	27.1	31.0	31.6	31.4	31.9	32.3
4H	2H	26.7	27.4	27.0	27.7	28.0	32.3	33.0	32.7	33.3	33.7
	3H	26.6	27.3	27.0	27.6	28.0	32.5	33.1	32.9	33.5	33.8
	4H	26.6	27.1	27.0	27.5	27.9	32.5	33.0	32.9	33.4	33.8
	6H	26.5	27.0	27.0	27.4	27.8	32.4	32.9	32.9	33.3	33.7
	8H	26.5	26.9	26.9	27.4	27.8	32.4	32.8	32.8	33.2	33.7
	12H	26.5	26.9	26.9	27.3	27.8	32.3	32.7	32.8	33.2	33.6
8H	4H	26.7	27.2	27.2	27.6	28.0	32.7	33.2	33.2	33.6	34.0
	6H	26.7	27.1	27.2	27.5	28.0	32.7	33.1	33.2	33.5	34.0
	8H	26.7	27.0	27.1	27.4	27.9	32.7	33.0	33.2	33.5	34.0
	12H	26.6	26.9	27.1	27.4	27.9	32.7	32.9	33.2	33.4	33.9
12H	4H	26.7	27.1	27.2	27.6	28.0	32.7	33.1	33.2	33.6	34.0
	6H	26.7	27.0	27.2	27.5	28.0	32.7	33.0	33.2	33.5	34.0
	8H	26.7	26.9	27.2	27.4	28.0	32.7	33.0	33.2	33.5	34.0

Variations with the observer position at spacing:

S =	1.0H	1.7 / -3.4	0.4 / -0.4
	1.5H	2.7 / -5.8	0.6 / -1.2
	2.0H	4.0 / -7.0	1.5 / -1.6