

View Opti Linear

Design iGuzzini /
Arup

iGuzzini

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Product configuration: P637

P637: small body - warm white - wide flood optic



Product code

P637: small body - warm white - wide flood optic

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)

0.9

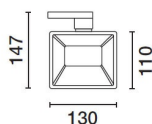
Mounting

three circuit track|ceiling surface

Wiring

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1665	MacAdam Step:	2
W system:	19.7	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Im source:	1850	Lamp code:	LED
W source:	17	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	84.5	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	90	Inrush current:	30 A / 100 µs
Beam angle [°]:	82° / 104°	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2

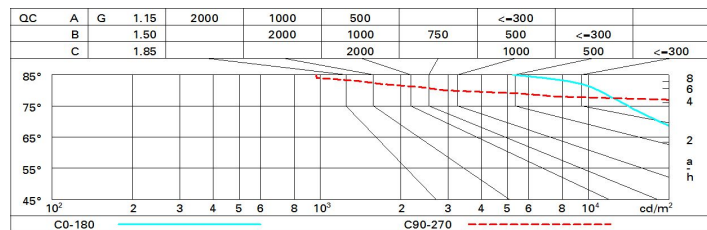
Polar

Imax=801 cd C5-185 γ=14° CIE nL 0.90 63-92-99-100-90 UGR 27.7-32.5 DIN A.51 UTE 0.90C+0.00T F*1=629 F*1+F*2=916 F*1+F*2+F*3=992 α=82° / 104°	Lux				
	h	d1	d2	Em	Emax
	1	1.7	2.6	512	778
	2	3.5	5.1	128	194
	3	5.2	7.7	57	86
	4	7	10.2	32	49

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	58	52	48	56	51	51	46	51
1.0	71	64	59	55	63	58	58	52	58
1.5	80	74	70	66	73	69	68	63	70
2.0	85	80	77	74	79	75	74	70	78
2.5	87	84	81	78	82	79	78	74	83
3.0	89	86	84	81	84	82	81	77	86
4.0	91	89	87	85	87	85	84	80	89
5.0	92	90	89	87	89	87	86	82	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 1850 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	27.2	28.1	27.5	28.4	28.0	31.4	32.4	31.7	32.0	32.9
	3H	27.1	28.0	27.5	28.3	28.0	31.5	32.4	31.8	32.7	32.9
	4H	27.1	27.9	27.5	28.2	28.5	31.5	32.3	31.8	32.0	32.9
	6H	27.0	27.8	27.4	28.1	28.4	31.4	32.1	31.8	32.4	32.8
	8H	27.0	27.7	27.4	28.1	28.4	31.4	32.1	31.7	32.4	32.7
	12H	27.0	27.7	27.4	28.0	28.4	31.3	32.0	31.7	32.3	32.7
4H	2H	27.8	28.0	28.2	28.9	29.2	32.4	33.2	32.7	33.5	33.8
	3H	27.8	28.5	28.2	28.9	29.2	32.0	33.3	33.0	33.0	34.0
	4H	27.8	28.4	28.2	28.8	29.2	32.0	33.2	33.0	33.0	34.0
	6H	27.7	28.3	28.2	28.7	29.1	32.0	33.1	33.0	33.5	33.9
	8H	27.7	28.2	28.2	28.6	29.1	32.5	33.0	33.0	33.4	33.9
	12H	27.7	28.1	28.1	28.5	29.0	32.5	32.9	33.0	33.4	33.8
8H	4H	27.9	28.4	28.4	28.8	29.3	32.0	33.1	33.0	33.5	33.9
	6H	27.9	28.3	28.4	28.8	29.2	32.0	33.0	33.1	33.5	33.9
	8H	27.9	28.2	28.4	28.7	29.2	32.0	32.9	33.1	33.4	33.9
	12H	27.8	28.1	28.4	28.6	29.1	32.0	32.9	33.1	33.3	33.9
12H	4H	27.9	28.4	28.4	28.8	29.3	32.0	33.0	33.0	33.4	33.9
	6H	27.9	28.3	28.4	28.7	29.2	32.0	32.9	33.1	33.4	33.9
	8H	27.9	28.2	28.4	28.7	29.2	32.0	32.9	33.1	33.3	33.9
Variations with the observer position at spacing:											
S =		1.0H					1.0 / -2.0				
		1.5H					1.8 / -4.4				
		2.0H					3.1 / -6.0				