View Opti Linear

Design iGuzzini / Arup **iGuzzini**

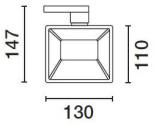
Last information update: May 2018

small body - warm white - white flood optic

Product code
P637

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



Dimension (mm)
130x110

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

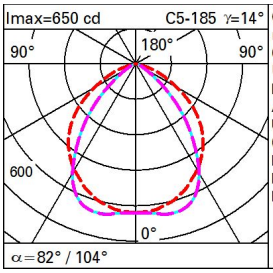
IP20 IP40 for optical assembly

Product configuration: P637

Product characteristics
Total lighting output [Lm]: 1349.8
Total power [W]: 19.8
Luminous efficacy [Lm/W]: 68.2
Life Time: 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 90
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 17
Nominal luminous [Lm]: 1500
Lamp maximum intensity [cd]: /
Beam angle [°]: 82° / 104°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.8
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

Polar



CIE
nL 0.90
63-92-99-100-90
UGR 27.0-31.8
DIN
A.51
UTE
0.90C+0.00T
F"1=629
F"1+F"2=916
F"1+F"2+F"3=992

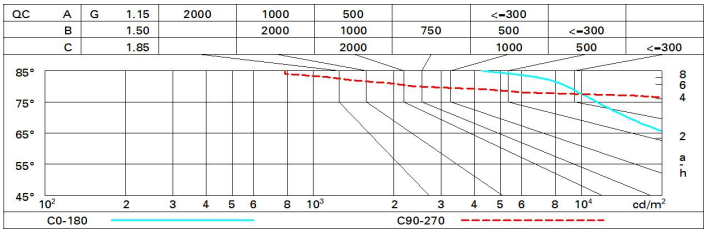
Lux

h	d1	d2	Em	Emax
1	1.7	2.6	415	631
2	3.5	5.1	104	158
3	5.2	7.7	46	70
4	7	10.2	26	39

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 1500 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	26.4	27.4	26.7	27.7	27.9	30.7	31.7	31.0	31.9	32.2
	3H	26.4	27.3	26.8	27.6	27.9	30.8	31.6	31.1	31.9	32.2
	4H	26.4	27.2	26.7	27.5	27.8	30.7	31.5	31.1	31.8	32.2
	6H	26.3	27.1	26.7	27.4	27.7	30.7	31.4	31.0	31.7	32.1
	8H	26.3	27.0	26.7	27.3	27.7	30.6	31.3	31.0	31.7	32.0
	12H	26.3	26.9	26.6	27.3	27.6	30.6	31.3	31.0	31.6	32.0
4H	2H	27.1	27.9	27.4	28.2	28.5	31.6	32.4	32.0	32.7	33.0
	3H	27.1	27.8	27.5	28.1	28.5	31.9	32.5	32.3	32.9	33.3
	4H	27.1	27.7	27.5	28.0	28.4	31.9	32.5	32.3	32.9	33.3
	6H	27.0	27.5	27.5	27.9	28.4	31.9	32.4	32.3	32.8	33.2
	8H	27.0	27.5	27.4	27.9	28.3	31.8	32.3	32.3	32.7	33.2
	12H	26.9	27.4	27.4	27.8	28.3	31.8	32.2	32.2	32.6	33.1
8H	4H	27.2	27.7	27.7	28.1	28.6	31.9	32.3	32.3	32.8	33.2
	6H	27.2	27.6	27.7	28.0	28.5	31.9	32.3	32.4	32.7	33.2
	8H	27.2	27.5	27.6	28.0	28.5	31.9	32.2	32.4	32.7	33.2
	12H	27.1	27.4	27.6	27.9	28.4	31.8	32.1	32.3	32.6	33.1
12H	4H	27.2	27.6	27.7	28.1	28.5	31.8	32.3	32.3	32.7	33.2
	6H	27.2	27.5	27.7	28.0	28.5	31.9	32.2	32.3	32.7	33.2
	8H	27.2	27.5	27.7	27.9	28.5	31.8	32.1	32.3	32.6	33.1

Variations with the observer position at spacing:

S =	1.0H	1.0 / -2.0	0.4 / -0.4
	1.5H	1.8 / -4.4	0.7 / -1.4
	2.0H	3.1 / -6.0	1.7 / -1.9