

View Opti Linear

Design iGuzzini /
Arup

iGuzzini

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Product configuration: P642

P642: large body - neutral white - wide flood optic



Product code

P642: large body - neutral white - wide flood optic

Technical description

Adjustable spotlight with adapter for installation on electrified track for a linear PCB LED lamp with a Neutral White (4,000K) 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

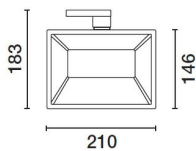
Mounting

three circuit track|ceiling surface

Wiring

Product complete with electronic components

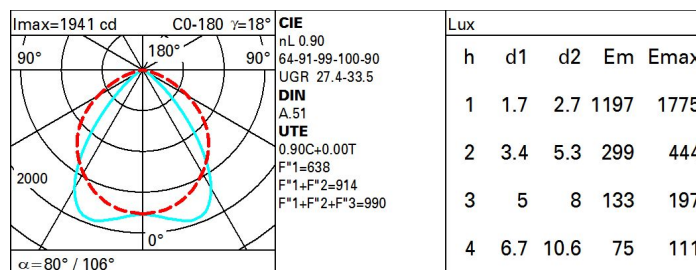
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	3960	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	44.2	Lamp code:	LED
Im source:	4400	Number of lamps for optical assembly:	1
W source:	40	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	89.6	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	24 A / 192 µs
Light Output Ratio (L.O.R.) [%]:	90	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 8 luminaires B16A: 14 luminaires C10A: 14 luminaires C16A: 23 luminaires
Beam angle [°]:	80° / 106°	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2
MacAdam Step:	2		

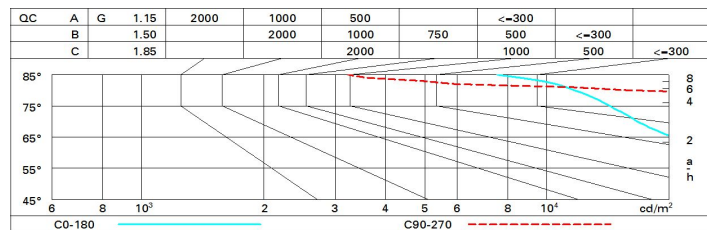
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	58	53	48	57	52	51	46	52
1.0	72	65	59	55	63	59	58	53	59
1.5	80	74	70	66	73	69	68	64	71
2.0	85	80	77	74	79	76	75	70	78
2.5	87	84	81	78	82	80	79	75	83
3.0	89	86	84	82	85	82	81	77	86
4.0	91	89	87	85	87	85	84	81	90
5.0	92	91	89	87	89	87	86	82	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 4400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	26.8	27.7	27.1	28.0	28.2	32.2	33.1	32.5	33.3	33.6
	3H	26.8	27.6	27.1	27.8	28.1	32.2	33.0	32.5	33.3	33.6
	4H	26.7	27.5	27.1	27.8	28.1	32.1	32.9	32.5	33.2	33.5
	6H	26.7	27.3	27.0	27.7	28.0	32.1	32.7	32.4	33.1	33.4
	8H	26.6	27.3	27.0	27.6	28.0	32.0	32.7	32.4	33.0	33.4
	12H	26.6	27.2	27.0	27.6	27.9	32.0	32.6	32.4	33.0	33.3
4H	2H	27.5	28.3	27.9	28.6	28.9	33.4	34.1	33.7	34.4	34.7
	3H	27.5	28.1	27.9	28.5	28.8	33.6	34.2	34.0	34.6	34.9
	4H	27.5	28.0	27.9	28.4	28.8	33.6	34.1	34.0	34.5	34.9
	6H	27.4	27.9	27.8	28.3	28.7	33.5	34.0	34.0	34.4	34.8
	8H	27.4	27.8	27.8	28.2	28.7	33.5	33.9	33.9	34.4	34.8
	12H	27.3	27.7	27.8	28.2	28.6	33.5	33.9	33.9	34.3	34.7
8H	4H	27.7	28.1	28.1	28.5	29.0	33.7	34.1	34.1	34.6	35.0
	6H	27.6	28.0	28.1	28.4	28.9	33.7	34.1	34.2	34.5	35.0
	8H	27.6	27.9	28.1	28.4	28.9	33.7	34.0	34.2	34.4	34.9
	12H	27.6	27.8	28.1	28.3	28.8	33.6	33.9	34.1	34.4	34.9
12H	4H	27.7	28.1	28.1	28.5	29.0	33.7	34.1	34.1	34.5	34.9
	6H	27.6	28.0	28.1	28.4	28.9	33.7	34.0	34.1	34.4	34.9
	8H	27.6	27.9	28.1	28.4	28.9	33.6	33.9	34.1	34.4	34.9
Variations with the observer position at spacing:											
S =	1.0H	1.6 / -3.0					0.4 / -0.4				
	1.5H	2.6 / -5.2					0.6 / -1.2				
	2.0H	3.8 / -6.5					1.5 / -1.6				