

Last information update: May 2018

**medium body - warm white - white flood optic****Product code**

P641

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)

170x126

Colour

Black (04) | Black/White (47)

Weight (Kg)

1.35

Mounting

three circuit track|ceiling surface

Wiring

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

**Product configuration: P641****Product characteristics**

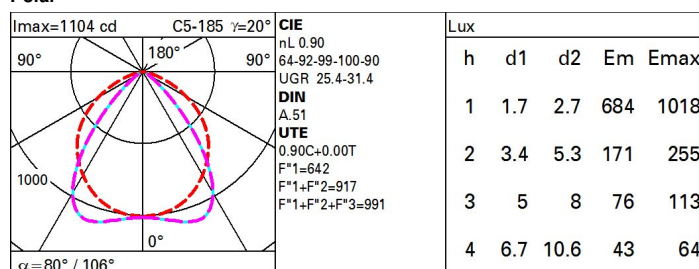
Total lighting output [Lm]: 2249.8
Total power [W]: 38.6
Luminous efficacy [lm/W]: 58.3
Life Time: 50,000h - L80 - B10 (Ta 25°C)

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]: 33
Nominal luminous [Lm]: 2500
Lamp maximum intensity [cd]: /
Beam angle [°]: 80° / 106°

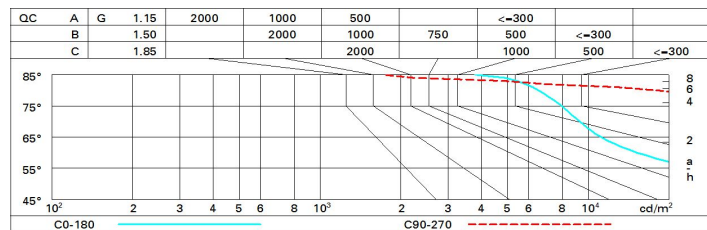
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5.6
Colour temperature [K]: 3000
CRI: 90
Wavelength [nm]: /
MacAdam Step: 2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	58	53	49	57	52	52	47	52
1.0	72	65	60	56	63	59	58	53	59
1.5	80	75	70	67	73	69	68	64	71
2.0	85	80	77	74	79	76	75	71	78
2.5	87	84	81	78	82	80	79	75	83
3.0	89	86	84	82	85	82	81	78	86
4.0	91	89	87	85	87	86	84	81	90
5.0	92	91	89	87	89	87	86	82	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 2500 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	24.9	25.8	25.2	26.0	26.3	30.2	31.0	30.5	31.3	31.5
	3H	24.8	25.6	25.2	25.9	26.2	30.2	31.0	30.5	31.3	31.5
	4H	24.8	25.5	25.1	25.8	26.1	30.1	30.9	30.5	31.2	31.5
	6H	24.7	25.4	25.1	25.7	26.1	30.0	30.7	30.4	31.0	31.4
	8H	24.7	25.3	25.1	25.7	26.0	30.0	30.7	30.4	31.0	31.3
	12H	24.7	25.3	25.0	25.6	26.0	30.0	30.6	30.4	30.9	31.3
4H	2H	25.6	26.3	25.9	26.6	26.9	31.3	32.0	31.6	32.3	32.6
	3H	25.6	26.2	25.9	26.5	26.9	31.5	32.1	31.9	32.4	32.8
	4H	25.5	26.1	25.9	26.4	26.8	31.5	32.0	31.9	32.4	32.8
	6H	25.5	25.9	25.9	26.3	26.8	31.4	31.9	31.9	32.3	32.7
	8H	25.4	25.9	25.9	26.3	26.7	31.4	31.8	31.8	32.2	32.7
	12H	25.4	25.8	25.8	26.2	26.7	31.3	31.7	31.8	32.2	32.6
8H	4H	25.7	26.1	26.1	26.5	27.0	31.6	32.0	32.0	32.4	32.9
	6H	25.6	26.0	26.1	26.5	26.9	31.6	31.9	32.0	32.4	32.8
	8H	25.6	25.9	26.1	26.4	26.9	31.5	31.8	32.0	32.3	32.8
	12H	25.6	25.8	26.1	26.3	26.9	31.5	31.8	32.0	32.2	32.8
12H	4H	25.7	26.1	26.1	26.5	27.0	31.5	31.9	32.0	32.3	32.8
	6H	25.7	26.0	26.1	26.4	26.9	31.5	31.8	32.0	32.3	32.8
	8H	25.6	25.9	26.1	26.4	26.9	31.5	31.8	32.0	32.3	32.8
Variations with the observer position at spacing:											
S =		1.0H	1.7	/ -3.2				0.4	/ -0.4		
		1.5H	2.7	/ -5.4				0.6	/ -1.2		
		2.0H	3.9	/ -6.7				1.5	/ -1.8		