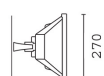
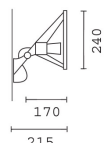


Last information update: May 2018



Spotlight with arm and swivel joint - Warm White LED - DALI electronic control gear - Very Wide Flood optic

Product code

TXE1

Technical description

Spotlight for exteriors, designed to use Warm White LED lamps, built-in dimmable DALI electronic control gear and a Very Wide Flood optic. Can be ground, floor or wall mounted (using screw anchors) or installed on pole mounting systems. Consists of an optical assembly, an arm with a swivel joint and a glass-holding frame. The optical assembly, arm with swivel joint and glass-holding frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and comes complete with a seal. The seal is made of black EPDM, 50 shore rubber. The product comes complete with a warm white, monochrome LED circuit, an optic with an anodised super-pure aluminium reflector, a black optic cover with a methacrylate screen and a built-in electronic ballast. The DALI ballast is fitted with a TOUCH-DIM control that allows the light flow to be regulated with a standard button. The frame comes complete with steel retaining cables. The arm with the swivel joint allows it to be adjusted vertically by 145° (-90°+55°) and horizontally by 360°. The product is supplied with a nickel-plated brass cable gland and a L=500mm outlet cable for connecting directly to the mains voltage. All external screws used are made of A2 stainless steel.

Installation

The luminaire can be floor, ceiling or wall-mounted using the arm with the swivel joint that can be secured with screw anchors (Fisher type or similar) for concrete, cement and solid brick or using one of the various available accessories (like the mounting box and the various plates).. It can also be installed on poles using steel flanges (suitable for 40÷60mm and 60÷102mm diameters) combined with the appropriate mounting boxes.

Dimension (mm)

240x270x215

Colour

Grey/Yellow (73)

Weight (Kg)

2.38

Mounting

wall arm|ground surface|wall surface|ground anchored|pole-top side entry|wall bracket|surface box|ceiling surface|free standing

Wiring

Control gear complete with dimmable DALI electronic ballast (220÷240Vac 50/60Hz)

Notes

Overvoltage protection: 2kV Common Mode (CM), 1kV Differential Mode (DM) If the mounting box with SPD (cod.TXE4) accessory is used, the overvoltage protection must be increased to 10kV/10kV (CM/DM).

Complies with EN60598-1 and pertinent regulations



IK07

IP66



CE

SIRET

EAC

A++

Product configuration: TXE1

Product characteristics

Total lighting output [Lm]: 2993

Total power [W]: 43.9

Luminous efficacy [Lm/W]: 68.2

Life Time: 73,000h - L80 - B10 (Ta 25°C)

Ambient temperature range: from -20°C to +35°C. (*)

Total luminous flux at or above an angle of 90° [Lm]: 0

Emergency luminous flux [Lm]: /

Voltage [V]: -

Life Time: 64,000h - L80 - B10 (Ta 40°C)

Number of optical assemblies: 1

* Preliminary data

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 82

Lamp code: LED

ZVEI Code: LED

Nominal power [W]: 39

Nominal luminous [Lm]: 3650

Lamp maximum intensity [cd]: /

Beam angle [°]: 80° / 100°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 4.9

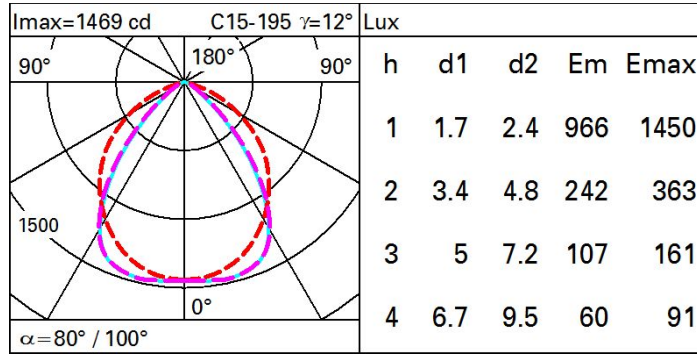
Colour temperature [K]: 3000

CRI: 80

Wavelength [Nm]: /

MacAdam Step: 3

Polar



Isolux



UGR diagram

Corrected UGR values (at 3050 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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											
x	y										
2H	2H	26.7	27.6	27.0	27.9	28.1	31.4	32.3	31.7	32.8	32.8
	3H	26.7	27.5	27.0	27.8	28.1	31.4	32.3	31.7	32.5	32.8
	4H	26.6	27.4	27.0	27.7	28.0	31.4	32.1	31.7	32.4	32.8
	6H	26.6	27.3	26.9	27.6	28.0	31.3	32.0	31.7	32.3	32.7
	8H	26.5	27.2	26.9	27.6	27.9	31.3	31.9	31.6	32.3	32.6
	12H	26.5	27.2	26.9	27.5	27.9	31.2	31.9	31.6	32.2	32.6
4H	2H	27.3	28.1	27.7	28.4	28.7	32.2	33.0	32.6	33.3	33.6
	3H	27.4	28.0	27.7	28.4	28.7	32.4	33.1	32.8	33.4	33.8
	4H	27.3	27.9	27.7	28.3	28.7	32.4	33.0	32.8	33.3	33.7
	6H	27.3	27.8	27.7	28.2	28.6	32.3	32.8	32.7	33.2	33.6
	8H	27.2	27.7	27.7	28.1	28.5	32.3	32.7	32.7	33.2	33.6
	12H	27.2	27.6	27.6	28.0	28.5	32.2	32.6	32.7	33.1	33.5
8H	4H	27.4	27.9	27.9	28.3	28.7	32.3	32.7	32.7	33.1	33.6
	6H	27.4	27.7	27.8	28.2	28.7	32.2	32.6	32.7	33.0	33.5
	8H	27.3	27.6	27.8	28.1	28.6	32.2	32.5	32.6	33.0	33.5
	12H	27.3	27.5	27.8	28.0	28.5	32.1	32.4	32.6	32.9	33.4
12H	4H	27.4	27.8	27.8	28.2	28.7	32.2	32.6	32.7	33.1	33.5
	6H	27.3	27.6	27.8	28.1	28.6	32.2	32.5	32.6	33.0	33.5
	8H	27.3	27.5	27.8	28.0	28.6	32.1	32.4	32.6	32.9	33.4
Variations with the observer position at spacing:											
S =	1.0H	1.4 / -2.7					0.5 / -0.5				
	1.5H	2.3 / -5.1					0.7 / -1.5				
	2.0H	3.5 / -6.8					1.8 / -2.0				