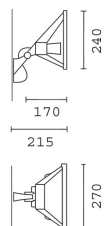


Last information update: May 2018


**Spotlight with arm and swivel joint - Neutral White LED - DALI electronic control gear - Very Wide Flood optic**
**Product code**

TXE3

**Technical description**

Spotlight for exteriors, designed to use Neutral 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 neutral 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


**Product configuration: TXE3**
**Product characteristics**

Total lighting output [Lm]: 3321

Total power [W]: 43.9

Luminous efficacy [Lm/W]: 75.6

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]: 4050

Lamp maximum intensity [cd]: /

Beam angle [°]: 80° / 100°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 4.9

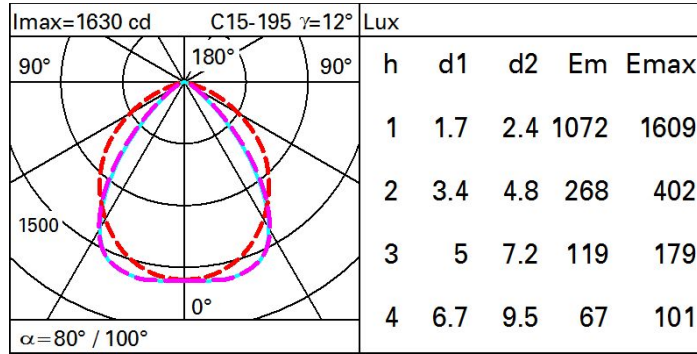
Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: /

MacAdam Step: 3

**Polar**



**Isolux**



**UGR diagram**

Corrected UGR values (at 4050 lm bare lamp luminous flux)											
Reflect.:											
ceiling	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	27.0	28.0	27.3	28.2	28.5	31.7	32.7	32.0	32.9	
	3H	27.0	27.9	27.4	28.2	28.5	31.8	32.6	32.1	32.9	
	4H	27.0	27.8	27.4	28.1	28.4	31.7	32.5	32.1	32.8	
	6H	26.9	27.7	27.3	28.0	28.3	31.6	32.4	32.0	32.7	
	8H	26.9	27.6	27.3	27.9	28.3	31.6	32.3	32.0	32.6	
	12H	26.9	27.5	27.3	27.9	28.2	31.6	32.2	32.0	32.6	
4H	2H	27.7	28.5	28.0	28.8	29.1	32.6	33.4	32.9	33.7	
	3H	27.7	28.4	28.1	28.7	29.1	32.8	33.4	33.1	33.8	
	4H	27.7	28.3	28.1	28.6	29.0	32.7	33.3	33.1	33.7	
	6H	27.6	28.1	28.1	28.5	29.0	32.7	33.2	33.1	33.6	
	8H	27.6	28.0	28.0	28.5	28.9	32.6	33.1	33.1	33.5	
	12H	27.5	28.0	28.0	28.4	28.9	32.6	33.0	33.1	33.4	
8H	4H	27.8	28.2	28.2	28.7	29.1	32.6	33.1	33.1	33.5	
	6H	27.7	28.1	28.2	28.5	29.0	32.6	32.9	33.0	33.4	
	8H	27.7	28.0	28.2	28.5	29.0	32.5	32.8	33.0	33.3	
	12H	27.6	27.9	28.1	28.4	28.9	32.5	32.8	33.0	33.2	
12H	4H	27.7	28.1	28.2	28.6	29.0	32.6	33.0	33.0	33.4	
	6H	27.7	28.0	28.2	28.5	29.0	32.5	32.8	33.0	33.3	
	8H	27.6	27.9	28.1	28.4	28.9	32.5	32.8	33.0	33.2	
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	