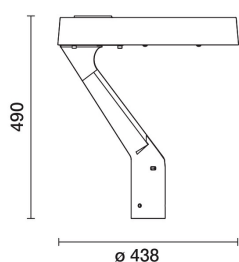


Last information update: April 2025

Product configuration: UD19.15+X754.74

UD19.15: Pole-mounted system - ST1.5U optic - Warm White - 14.5W 1983lm - 3000K - Grey

X754.74: Adapter required for installation on pole - To be ordered together with optic assembly - for the Alley product - Grey / Black

**Product code**

UD19.15: Pole-mounted system - ST1.5U optic - Warm White - 14.5W 1983lm - 3000K - Grey

Technical description

Luminaire with a direct light street optic with a maximum operating ambient temperature of 40°C. The optical assembly is made of EN1706AC 46100LF aluminium alloy, 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 painting stage consists of a primer and a textured acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 5 mm thick, sodium-calcium closing glass for the optical assembly is fitted to the product via 4 screws. The metal component assembly is closed with 5 screws. The Midnight preset (100-70%) power supply can be programmed via NFC technology. The power supply includes an automatic internal temperature control system. The product is supplied with a Warm White monochrome LED circuit. The component and optic assemblies can be opened using everyday tools (an option with tool-free opening screws is available on request). The light flow emitted in the upper hemisphere of the system in the horizontal position is null. The product is pre-wired with a 6m long outlet cable. All external screws are made of stainless steel.

Installation

The optical assembly can be installed using the pole-top (X754) that can be ordered as an accessory.

Colour

Grey (15)

Weight (Kg)

4.66

Mounting

pole-top

Complies with EN60598-1 and pertinent regulations



IK08

IP66

**Accessory code**

X754.74: Adapter required for installation on pole - To be ordered together with optic assembly - for the Alley product - Grey / Black

Technical description

Liquid painted die-cast accessory required for pole-mounted installation of the Alley product. The screws used are made of stainless steel.

Colour

Grey / Black (74)

Weight (Kg)

3.57

Complies with EN60598-1 and pertinent regulations

Technical data

Im system:	1983	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	14.5	Lamp code:	LED
Im source:	-	Number of lamps for optical assembly:	1
W source:	-	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	136.8	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -15°C to 40°C.
Total light flux at or above an angle of 90° [Lm]:	3	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	100	Inrush current:	9.2 A / 256 µs
CRI (minimum):	70	Minimum dimming %:	5
Colour temperature [K]:	3000	Overvoltage protection:	12kV Common mode & 12kV Differential mode
MacAdam Step:	3	Control:	Middle of the night
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

	<p> $I_{max}=1300\text{ cd}$ $C35-215\ \gamma=66^\circ$ CIE $LA^{0.5}=342$ SPREAD=broad THROW=intermediate $SLI=8.1$ DIN KB1 CEN $G*3$ D6 </p>
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Graph showing Lux (Y-axis) versus distance (m) (X-axis) for different beam diameters (D) at a height $h=5\text{ m}$ and angle $\alpha=0^\circ$. The LED power is 14.5 W. The curves represent different beam diameters: 12, 9, 7, 6, 5, 4.3, 3, 2, 1.5, 1, 0.5, and 0.25 m. The Lux increases as the distance decreases and as the beam diameter increases.

Figure 1 is a line graph showing the normalized velocity profile η (Y-axis) versus the normalized distance L/H (X-axis). The X-axis ranges from 0 to 4, and the Y-axis ranges from 0 to 0.8. Two profiles are plotted: RS (solid line) and KS (dashed line). The RS profile starts at (0,0) and increases rapidly, reaching a value of approximately 0.75 at $L/H = 4$. The KS profile starts at (0,0) and increases more slowly, reaching a value of approximately 0.25 at $L/H = 4$.

L/H	η (RS)	η (KS)
0	0.00	0.00
1	0.45	0.15
2	0.65	0.22
3	0.72	0.24
4	0.75	0.25