

Last information update: March 2025

**Product configuration: N420**

N420: Pole-mounted system - STWt1.5 optic - Warm White - integrated DALI - Ø 42-76mm

**Product code**

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**Technical description**

Outdoor luminaire with direct light street optic. The optical assembly and the pole attachment system 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 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. Option of adjusting the inclination in relation to the road surface by +20°/0° (in 5° steps) for a pole-top installation and +5°/-20° (in 5° steps) for a lateral installation. 5 mm thick extra-clear sodium-calcium closure glass fastened to the product with 4 captive screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with circuit featuring monochrome LEDs and polymer optic lenses. Product pre-wired with outlet cable. The IP68 connector can be purchased separately as an accessory. The wiring and optical compartment can be opened with everyday tools (no retention cables) or tool-free devices. The luminous flux emitted in the upper hemisphere of the system in the horizontal position is null (in conformity with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

**Installation**

The spotlight can be installed with a pole-top or lateral mounting.

**Colour**

Grey (15)

**Weight (Kg)**

3.32

**Mounting**

wall arm|pole-top

**Wiring**

Connection to be made with an IP68 connector, which can be purchased separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2610.0	Life Time LED 3:	100,000h - L90 - B10 (Ta 40C)
W system:	21.0	Life Time LED 4:	100,000h - L80 - B10 (Ta 40C)
Im source:	2610	Voltage [Vin]:	230
W source:	19	Lamp code:	LED
Luminous efficiency (lm/W, real value):	124.29	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0.0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	Intervallo temperatura ambiente:	from -40°C to 50°C.
Beam angle [°]:	99° / 66°	Power factor:	See installation instructions
CRI:	70	Inrush current:	24.88 A / - µs
Colour temperature [K]:	2200	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
MacAdam Step:	3	Minimum dimming %:	5
Life Time LED 1:	100,000h - L90 - B10 (Ta 25C)	Overvoltage protection:	0kV Common mode & 0kV Differential mode
Life Time LED 2:	100,000h - L80 - B10 (Ta 25C)	Control:	Midnight preset/DALI NFC

