

Last information update: April 2025

**Product configuration: S448.F5+X660.H3**

S448.F5: Pole-mounted system - STZI optic - Neutral White - Zhaga Up/Down - Rust Brown

X660.H3: Adapter required for pole-mounted installation for Zhaga version - to be ordered together with the optical assembly - Ø60mm - Glossy black



**Product code**

S448.F5: Pole-mounted system - STZI optic - Neutral White - Zhaga Up/Down - Rust Brown

**Technical description**

Outdoor luminaire with direct light street optic. 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 both optical assemblies is fitted to the product via 3 captive screws on each side. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Product fitted with a double multi-pole Zhaga 4 PIN Up/Down socket. Complete with Neutral White monochrome LED circuit. The wiring and optical assembly can be opened with everyday tools. The luminous flux emitted in the upper hemisphere of the system in the horizontal position is null (when used with a black finish pole-mounting). Product pre-wired with a 1.1m long outlet cable. The IP68 connector can be purchased separately as an accessory. All external screws are made of stainless steel.

**Installation**

The optical assembly can be installed using two pole-tops that can be ordered separately as an accessory: one for Ø 60mm and one for Ø76mm. It can be installed on Ø102mm pole-tops using a reducer that can be purchased as an accessory.

**Colour**

Rust Brown (F5)

**Mounting**

pole-top

**Wiring**

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

Complies with EN60598-1 and pertinent regulations



**Accessory code**

X660.H3: Adapter required for pole-mounted installation for Zhaga version - to be ordered together with the optical assembly - Ø60mm - Glossy black

**Technical description**

Adapter required for pole-mounted installation for Zhaga version - to be ordered together with the optical assembly - Ø60mm

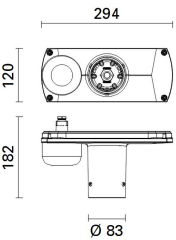
**Colour**

Glossy Black (H3)

**Weight (Kg)**

1.41

Complies with EN60598-1 and pertinent regulations

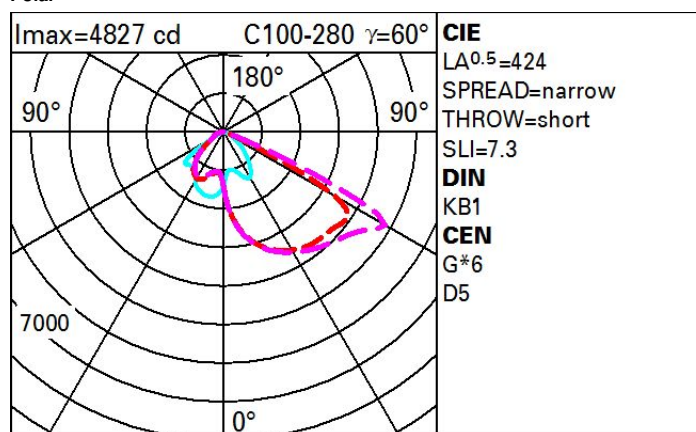


# Technical data

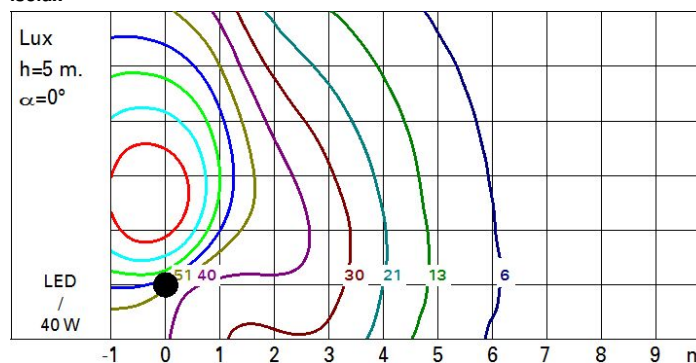
Im system:	5650	Lamp code:	LED
W system:	35	Number of lamps for optical assembly:	1
Im source:	5650	ZVEI Code:	LED
W source:	35	Number of optical assemblies:	1
Luminous efficiency (Im/W, real value):	161.4	Intervallo temperatura ambiente:	from -20°C to +35°C. (*)
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	21 A / 300 µs
Light Output Ratio (L.O.R.) [%]:	100	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires
CRI (minimum):	70	Minimum dimming %:	10
Colour temperature [K]:	5700	Overvoltage protection:	10kV Common mode & 6kV Differential mode
MacAdam Step:	3		

\* Preliminary data

## Polar



## Isolux



Utilisation factors

