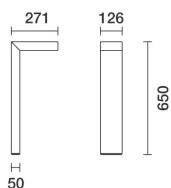


Last information update: June 2018

**Bollard H=650 mm, Longitudinal Asymmetric Optic, Warm LED, 220-240V ac****Product code**

AKS9

**Technical description**

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly 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 body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

**Installation**

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

**Dimension (mm)**

270x126x650

**Colour**

Grey (15)

**Weight (Kg)**

6.2

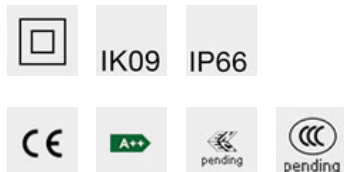
**Mounting**

ground surface|ground anchored

**Wiring**

Product complete with 220=240V ac electronic control gear.

Complies with EN60598-1 and pertinent regulations

**Product configuration: AKS9****Product characteristics**

Total lighting output [Lm]: 1216  
 Total power [W]: 13.6  
 Luminous efficacy [Lm/W]: 89.4  
 Life Time: 100,000h - L90 - B10 (Ta 25°C)  
 Ambient temperature range: from -20°C to +35°C. (\*)

Total luminous flux at or above an angle of 90° [Lm]: 4  
 Emergency luminous flux [Lm]: /  
 Voltage [V]: 230  
 Life Time: 100,000h - L90 - B10 (Ta 40°C)  
 Number of optical assemblies: 1

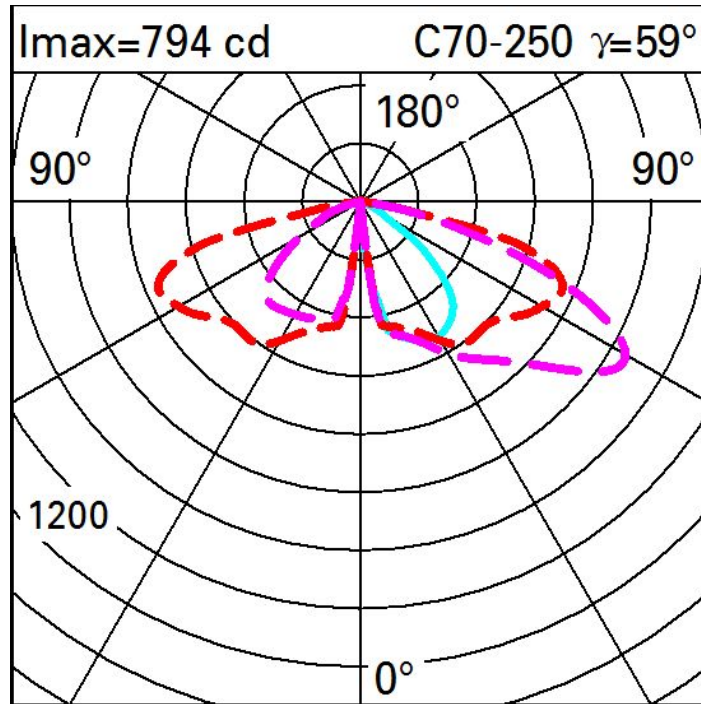
\* Preliminary data

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 76  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 12  
 Nominal luminous [Lm]: 1600  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: /

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 1.6  
 Colour temperature [K]: 3000  
 CRI: 80  
 Wavelength [Nm]: /  
 MacAdam Step: 3

Polar



Isolux

