

Serie IVA

IP-65 (optical system)

IK 08 (methacrylate bowl)

IK 10 (polycarbonate bowl)

IK 10 (flat glass)

Class I ⚡



Towns



Villages



Roadways



Industrial areas



Functional luminaires to light towns, villages and industrial areas with three different types of covers to adapt to the needs of the premises. Suitable for high pressure mercury (M) or high pressure sodium (S) lamps up to 250 W.



IVA Components

- 1** High pressure die-cast L-2521 aluminium alloy **body**. After manufacturing, a chromatising treatment and a RAL 7035 grey gloss polyester finish is applied.
"VS" model is provided with a spongy profile EPDM gasket.
 - 2** Optics/control gear housing **wall separator**.
 - 3** UV stabilised polycarbonate **hinge support** with a black finish, allowing both the bowl and the control gear cover to hinge down during maintenance.
 - 4** Galvanised steel **control gear tray**.
 - 5** Hydroformed, anodised and sealed aluminium **reflector**.
 - 6** Arm/pole **mounting systems** through a zinc-dichromate coated clamp and stainless steel screws. Provided with a galvanised steel orientation wedge that allows a 10° tilt angle for pole mounting.
 - 7** **Control gear housing cover** with the same finish as the body. Manually fixed through a stainless steel screw, with polyamide heads.
- Bowl comes in the following versions:
- 8a** **Bowl** made of injected methacrylate ("MT" model) or UV stabilised polycarbonate ("PT" model), with an expanded PUR computer applied gasket. Incorporates 2 polyamide snap-fit side catches.
 - 8b** 4 mm thick sodium-calcium engraved tempered glass ("VS" model). Provided with 2 gravity-cast L-2520 aluminium alloy hinges, and 3 stainless steel locking bolts, with polyamide heads for manual fixing.



Detail of glass protection cover for IVA-VS models.

IVA Mounting Choices

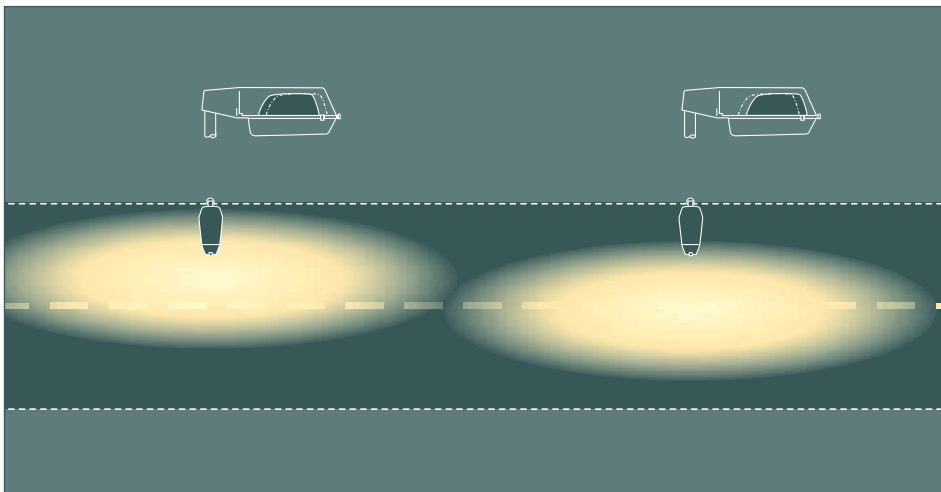


Pole Mounted



Bracket mounted

IVA Reflector Shifting



The largest version admits a longitudinal shifting of the IVA2 reflector within the body, the lamp holder remaining fixed. Different photometric performances are produced depending on the demands of each installation.

Two positions are recommended for the 150 and 250 wattages this particular model admits.

IVA Maintenance

IVA-MT/PT Lamp Replacement



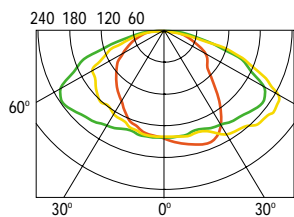
It is done by releasing two snap-fit side catches from the bowl, and leaving it hanging from the hinge support.

IVA-VS Lamp Replacement

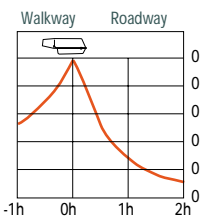


It is done by loosening the three glass cover screws. This is left hanging from the hinge support.

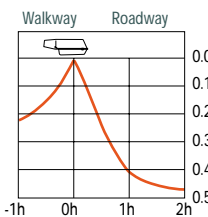
IVA Models and Photometries



Model
IVA2-MT
Lamp
S 250 W. (elip.)
Performance
(Lower hemis.)
73.6%
Unit
cd/1000 lm

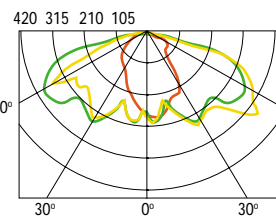


Model
IVA1-PT
Lamp
S 100 W. (tub.)
Performance
(Lower hemis.)
72.7%
Unit
cd/1000 lm

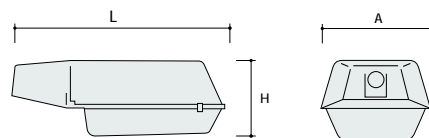


Model
IVA2-VS
Lamp
S 150 W. (tub.)
Performance
(Lower hemis.)
70.9%
Unit
cd/1000 lm

Trans. plane — Long plane — Principal vert. plane (C=160°) — Trans. plane — Long plane — Principal vert. plane (C=170°) —

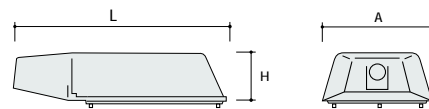


Trans. plane — Long plane — Principal vert. plane (C=175°) —

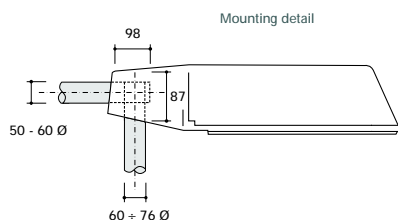


Model	Lamp. W	Type	Bowl	L	A	H	W.a. (m ²)	Kg*
IVA1-MT	M 125	⊖	Methacryl.	611	280	220	0.102	5.86
	S 70	⊖						5.88
	S 100	⊖ ⊓						6.43
	S 150	⊓						6.61
IVA2-MT	M 250	⊖	Methacryl.	763	330	280	0.161	8.91
	S 150	⊖ ⊓						8.49
	S 250	⊖ ⊓						10.07

Modelo	Lámp. W	Tipo	Cierre	L	A	H	Sv (m ²)	Kg*
IVA1-PT	M 125	⊖	Polycarb.	611	280	220	0.102	5.86
	S 70	⊖						5.88
	S 100	⊖ ⊓						6.43
	S 150	⊓						6.61
IVA2-PT	M 250	⊖	Polycarb.	763	330	280	0.161	8.91
	S 150	⊖ ⊓						8.49
	S 250	⊖ ⊓						10.07



Modelo	Lámp. W	Tipo	Cierre	L	A	H	Sv (m ²)	Kg*
IVA1-VS	S 70	⊖	Glass	611	280	150	0.083	6.03
	S 100	⊓						6.79
	S 150	⊓						6.97
IVA2-VS	S 150	⊓	Glass	763	330	180	0.131	9.63
	S 250	⊓						11.21



W.a. Windage area.
Kg* Weight without lamp.

Brands / Quality Certification

IVA1-VS model	Certification of Inst. Astrofísico de Canarias
IVA2-VS model	Certification of Inst. Astrofísico de Canarias