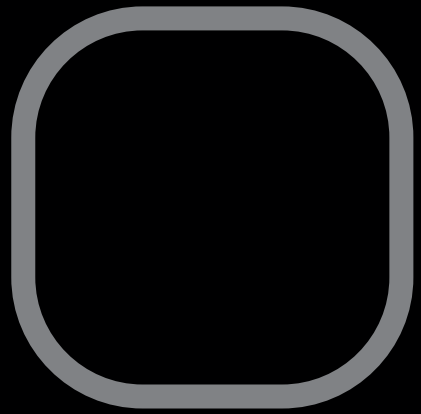
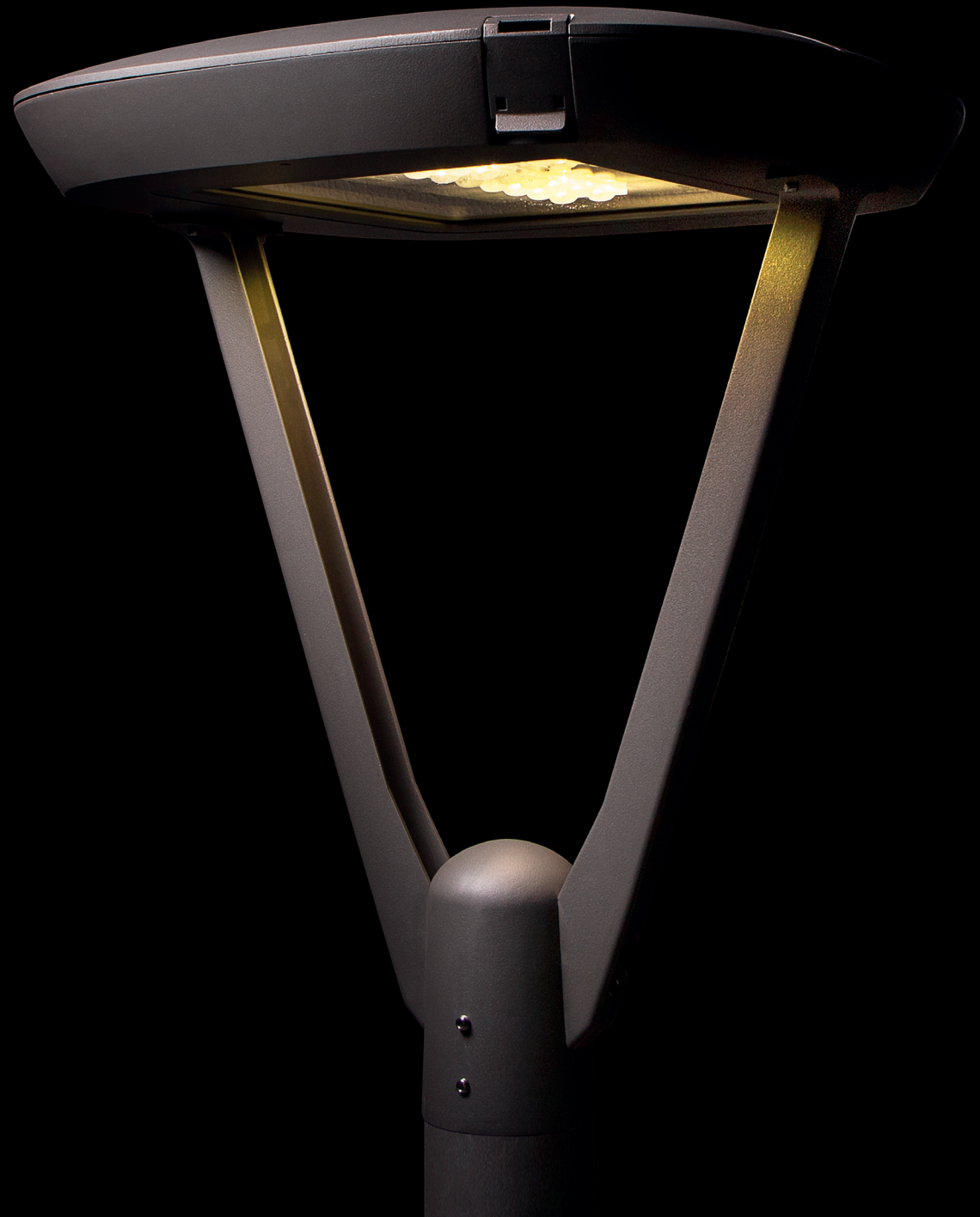




**Arisa**



**Arisa**



# Arisa

ARISA is the new road luminaire from PRILUX, designed for lighting and decoration any type of urban spaces thanks to the different fixations and lighting distributions that confers an incredible versatility regardless of the needs to cover.

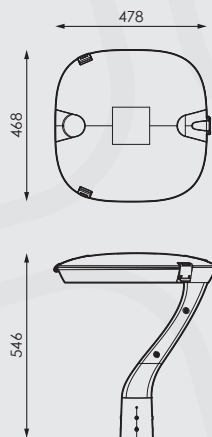
A comprehensive solution with compact design, current and simple lines, which provides a great harmony to the spaces where it is installed.

ARISA is available with several options that adapt to all possible street lighting applications: PCA, 727, 730, 740, 750, 827, 830 and 840 with a luminous flux between 2.000lm and 12.000lm.

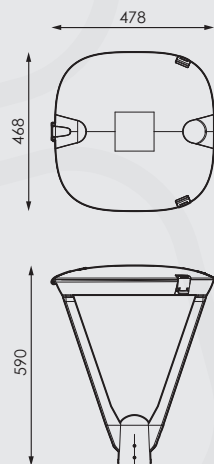


# Arisa

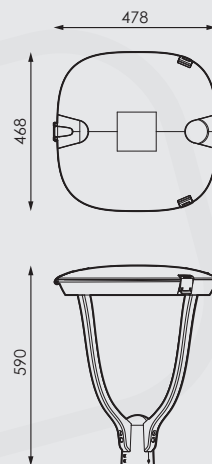
TOP 1



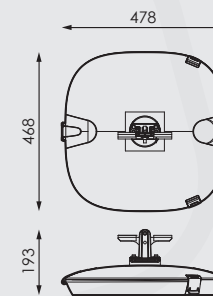
TOP 2



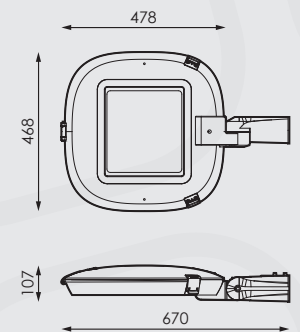
TOP 4



CATENARIA



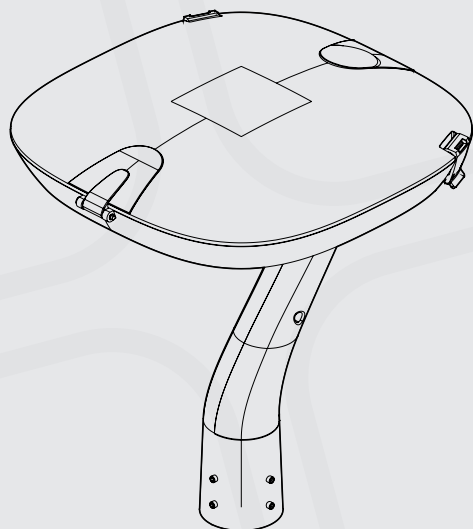
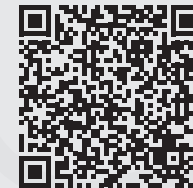
ROAD



# Arisa

## TOP1

Model of single arm, aesthetic decorative.  
Simple lines that provide harmony and  
elegance to the spaces. Especially suitable  
for installation in squares, boulevards, parks,  
landscaped areas, or open spaces...

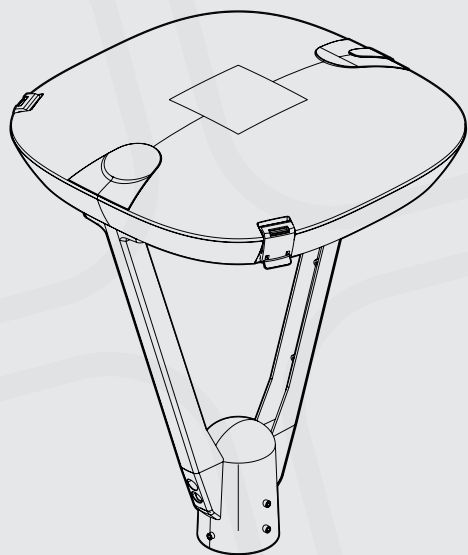


# Arisa

## TOP2

Model of double arm, aesthetic decorative. Simple lines that provide harmony and elegance to the spaces. Especially suitable for installation in squares, boulevards, parks, landscaped areas or open spaces.

The arms are provided with a space for the insertion of the power cable, which keeps it hidden and imperceptible to sight.

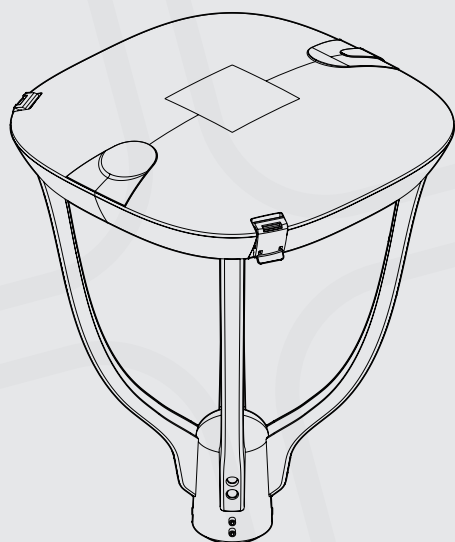
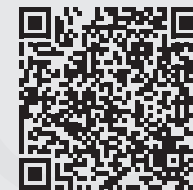


# Arisa

## TOP4

Model with four arms, aesthetic decorative. Simple lines that provide harmony and elegance to the spaces. Especially suitable for installation in squares, boulevards, parks, landscaped areas or open spaces.

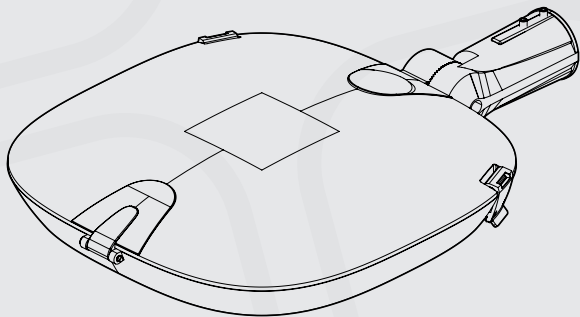
The arms are provided with a space for the insertion of the power cable, which keeps it hidden and imperceptible to sight.



# Arisa

## ROAD

Flexible installation shape that allows the arm on pole, arm on surface and vertical mounting on top, as it has two positions 0° and 90° which makes it an extraordinarily versatile luminaire. Designed for use on roads, avenues, squares or open spaces...

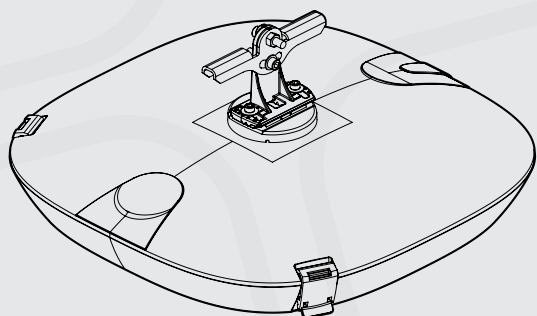
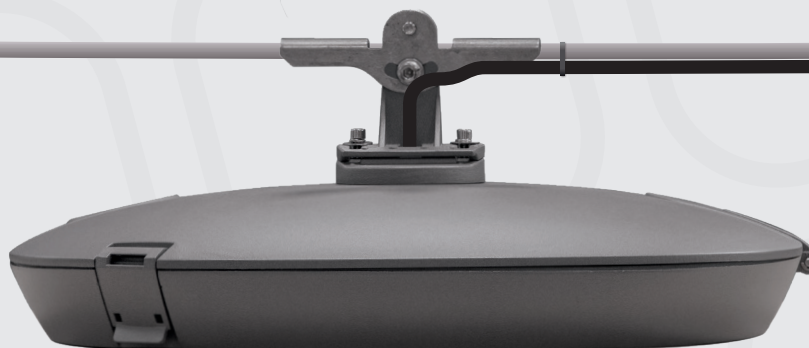


# Arisa

## CATENARIA

Installation model in steel catenary, that allows mounting on the same axis of the road, which enables the use of all the entire luminous flux over the surface. It also provides a very clean aesthetic of the spaces by dispensing with the poles or beacons for installation.

Luminaire suitable for installation on pedestrian streets, boulevards, historical areas...



# Arisa



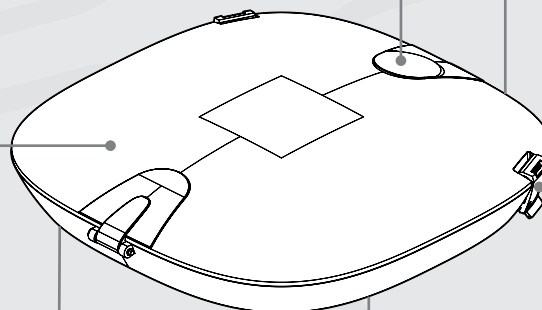
## Telemanagement options

ARISA is ready to work with the CORA MANAGER system and adaptable for the NEMA7 or ZAGHA BOK 18 connectors.



## Compact design:

Simple lines that offers great lightness together with strong Mechanical resistance.



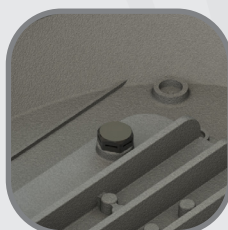
## High efficiency:

Up to 12.529lm and 149lm/w



## Diameters:

ARISA is designed to be installed on poles and columns Ø60mm or Ø76mm in models TOP1, TOP2, TOP4



## Valve of pressures

ARISA luminaires are equipped with a levelling valve of pressures that maintains balanced pressures inside and outside preventing the humidity.



## Wide range of powers

ARISA has a large variety of powers between 13.3W and 100.9W



## Easy and safe opening:

Two opposing closures allow an easy opening of ARISA. The housing is equipped with a current disconnecter.

# Compact

Compact design and simple lines, but with a string mechanical resistance.

It is designed to minimize the wind effect and accumulation of waste over the lid. As it don't have fins for the dissipation of the heat, its cleaning with the rainwater is easy.

The body, the lid and the arms have been made of high-injected high quality aluminum pressure that guarantee the durability of the luminaire.



## ENDURANCE

ARISA has IP66 sealing rating, achieved with a locking system and gaskets designed to ensure tightness of the luminaire for solid particles and fluids.

ARISA also has a high degree of IK09 impact resistance. They are equipped with a 4mm tempered glass that protects the light source from impacts

# Light source

LED MODULE



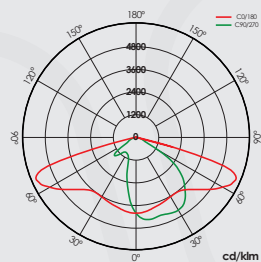
High Power and High 3535 LED Platform range, offering great robustness against extreme conditions.

LED modules of 12, 16 and 32 leds. 740 on series and PCA, 727, 730, 750, 827, 830, 840 on request

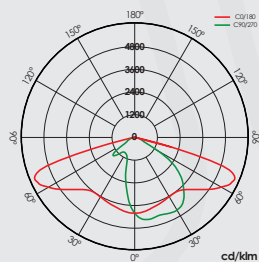
# Opticals

## DESIGN AND ARCHITECTURAL

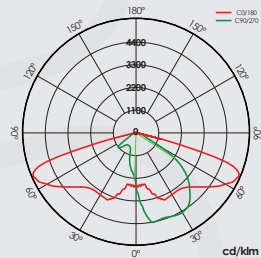
Φ	Luminous flux (lm)/	Up to 12.529lm
φ/w	Efficiency (lm/W)/	Up to 149lm/W
K	Color temperature/	4.000K 3.000/ 5.000K (On request)
☘	Colour rendering index/	>70
💡	LED number/	12/16/32
🕒	L90 B10>/	>200.000h



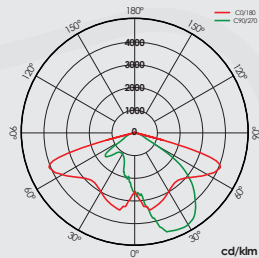
ROAD/ 32LEDs VA



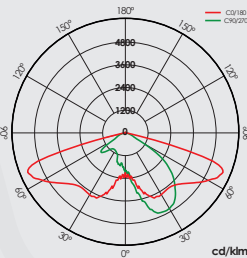
CATENARIA/ 32LEDs VA



TOP 1/ 32LEDs VA



TOP 2/ 32LEDs VA

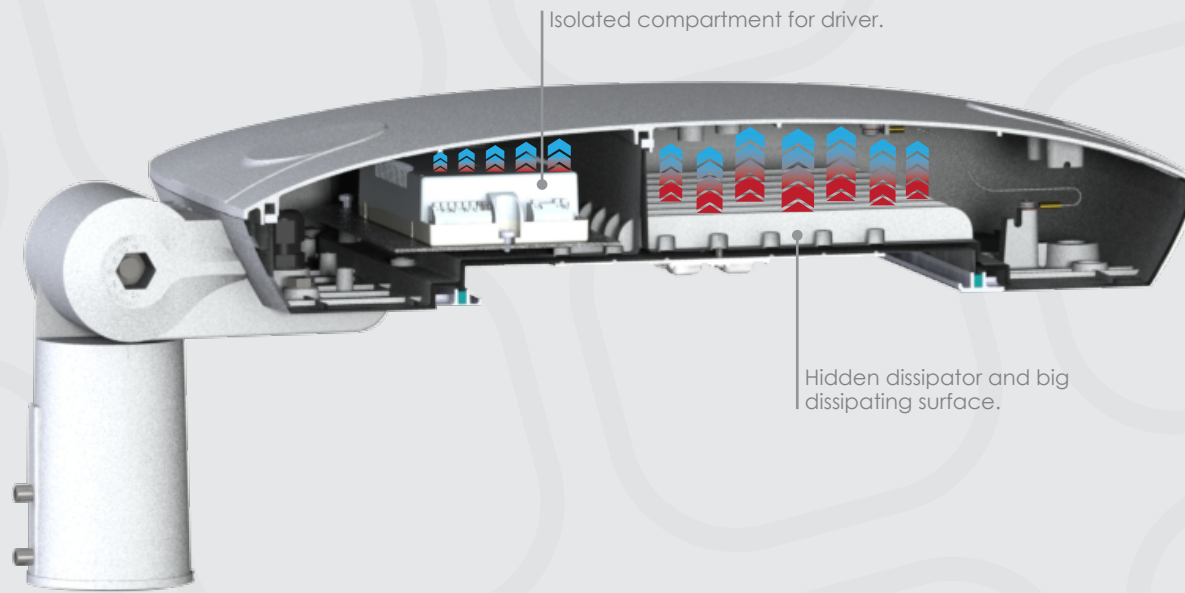


TOP 4/ 32LEDs VA

Based on opticals 2x2 + 4mm glass.  
Wide range of opticals: **Road Asymmetric,**  
**Symmetric 150°, Pedestrian crossing...**  
Efficiency up to **149 lm/w.**

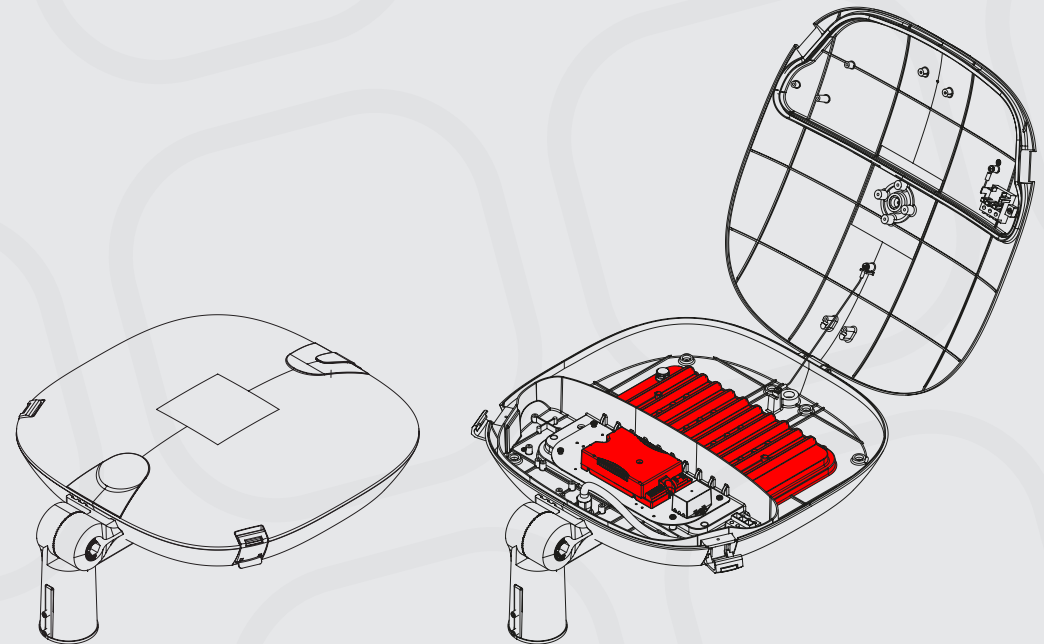
# Thermal management

## LED, OPTICS, DRIVERS



The ARISA luminaire has been designed with separate spaces for LED Module and equipment area to avoid crossed overheating. The driver and LED module are installed in independent compartments in the same horizontal plane. In addition, the LED module is provided with concealed heatsink with large surface dissipation.

This design provides an efficient thermal management as it allows to dissipate temperatures up to  $T_a = 50^{\circ}\text{C}$ , which guarantees the great durability of the electronic components and LEDs, which bring the luminaire a specification L90B10 > 200,000 hours



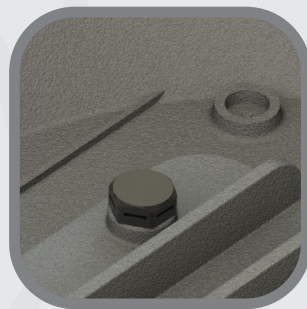
Operating temperature/

Until  $+50^{\circ}\text{C}$

# Tightness

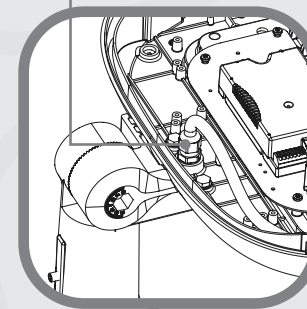
## PRESSURE VALVE

ARISA luminaires are equipped with a pressure leveling valve that maintains balanced external and internal pressures avoiding the humidity.

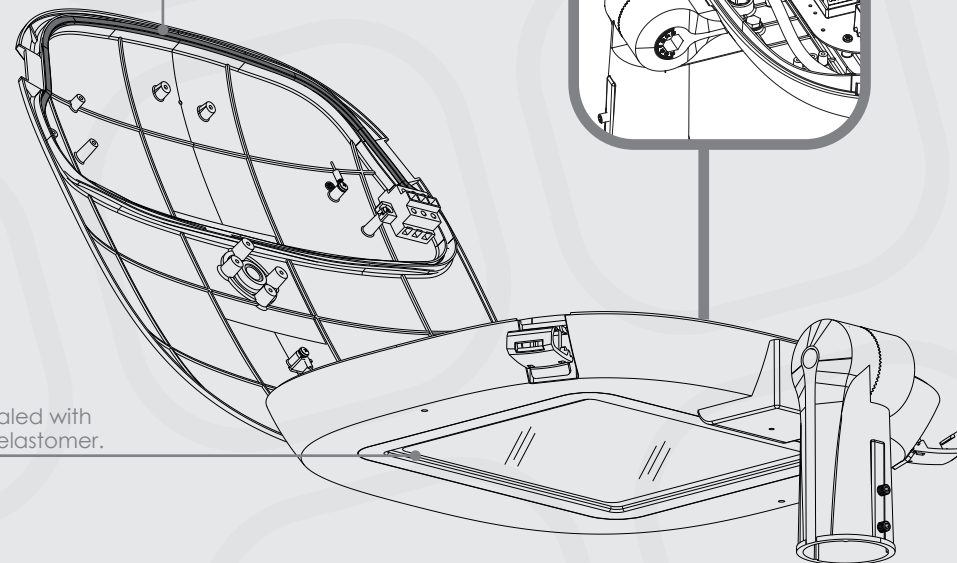


Holes for evacuation of the Water.  
Designed to avoid areas for water  
accumulation.

Cable entry  
Polyamide cable  
gland



Foamed silicone  
gaskets



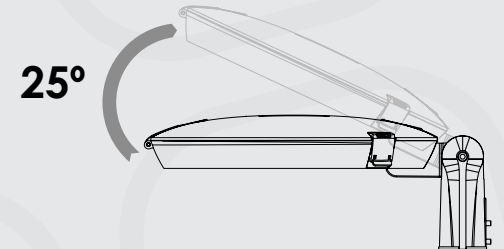
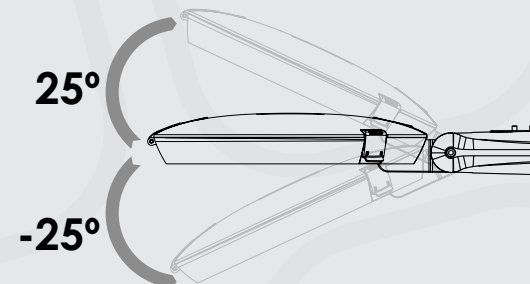
Glass sealed with  
silicone elastomer.

# Installation

## MECHANICAL FIXATION

The ARISA ROAD in its 0° position can be installed on poles and arms mounted mainly on facades but also in columns and other staves.

ARM ON POLE



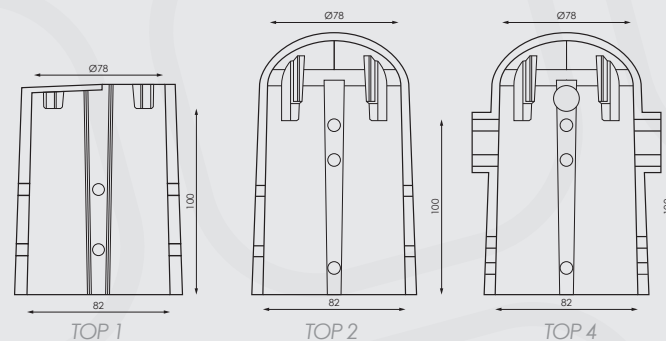
# Installation

## MECHANICAL FIXATION

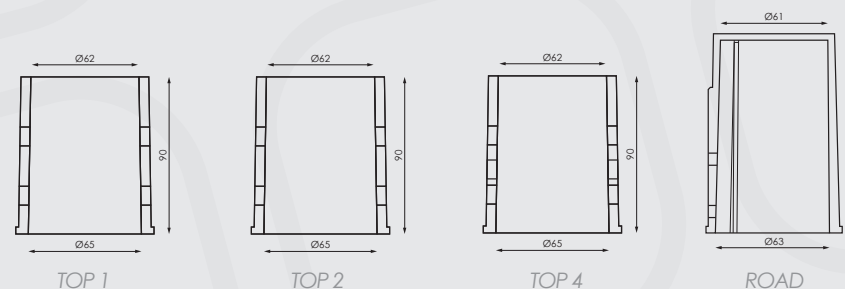
The ARISA versions TOP1, TOP2, TOP4, allow vertical mounting on pole with diameters  $\varnothing 60\text{mm}$  or  $\varnothing 76\text{mm}$ . The fixings are provided with a coupling accessory for  $\varnothing 60\text{mm}$  poles, and when it's removed, the mounting can be on  $\varnothing 76\text{mm}$  diameter brackets.

## CONICITY

POLE ADAPTER  $\varnothing 76$



POLE ADAPTER  $\varnothing 60$



## VERTICAL MOUNTING ON TOP

TOP 1

TOP 2

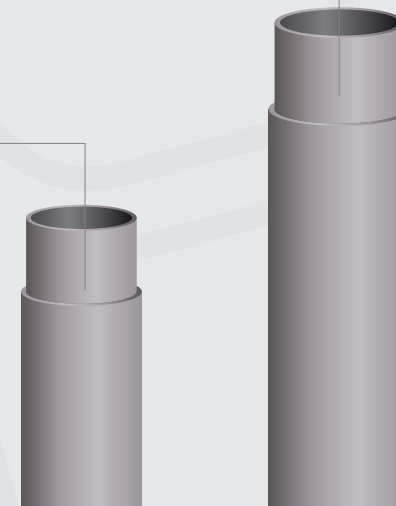
TOP 4

ROAD



$\varnothing 76\text{mm}$

$\varnothing 60\text{mm}$

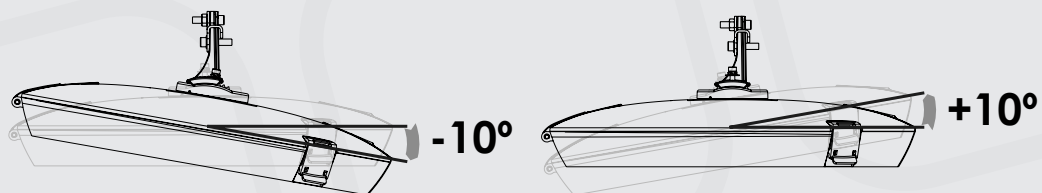


# Installation

## MECHANICAL FIXATION

### CATENARY MOUNTING

Ø8-12mm Wires



The CATENARIA model of the ARISA luminaire allows the mounting on wires between 8 and 12mm, remaining horizontal regardless of the small inclinations of the gap.

Especially suitable for urban centers where it offers better lighting to have more uniformity which allows a more efficient and sustainable installation by requiring fewer luminaires.

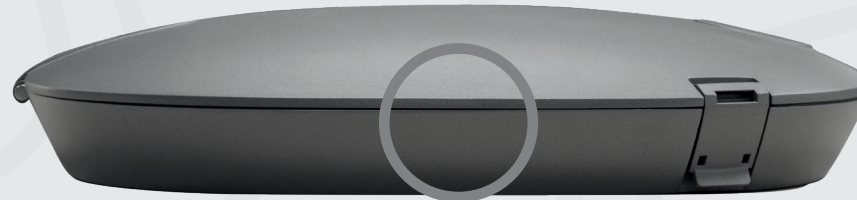
# Instalación

## ELETRICAL CONNECTION

### OPENING WITHOUT TOOLS.

Arisa is designed for easy and safe opening through a comfortable access from the top with a lid opening of more than 90°, which allows easy maintenance without tools.

Two closures allow easy opening of ARISA, whose design allows them to be embedded in the lines of the luminaire, being perfectly integrated into the anatomy of the luminaire.



### CONNECTION TO CONNECTION BLOCK 3 POLES CURRENT (REGULATION 5N)

The cover is equipped with a current disconnect that guarantees a maintenance with all guarantees of security. It is a system that cuts off the power supply when the luminaire is open that allows the installer to work safely.



# Connectivity



ARISA is CMR as a standard, compatible with the **CORA MANAGER CLOUD** system, which provides the luminaires with control, regulation and programming without the need for auxiliary elements. Together with the **PRILUX CORA PLATFORM**, it allows to monitor, measuring and managing street lighting infrastructure.

ARISA is prepared to meet the **Zhaga-D4i** certification, **ZHAGA BOOK 18** connection base and **DALI2** compatible. The D4i standard enables smart LED luminaires to be prepared for the future with IoT connectivity. Another connectivity option is the **NEMA 7** base with **1-10V** and **DALI** dimming. These forms of connectivity allow the remote control of the luminaire by the user being able to adapt the lighting to the time and weather conditions that allows more efficient management, reducing plant consumption and adding intelligence to our cities.

ZHAGA BOOK 18

NEMA 7



# Technologies



CMR is the identification that confirms that Prilux luminaires are compatible with the CORA MANAGER.

Prilux has a wide range of luminaires enabled with the main lighting control systems of a smartcity.



The OVERSTORM technology is designed for those luminaires that normally face electrically aggressive environments. It provides the product with three protection spheres: In the outer sphere, an independent surge protector suppresses possible voltage surges produced by the induction of atmospheric electricity in the power supply lines. This protector supports most of the surges so it is designed to facilitate its replacement in case of reaching end of life. When this occurs, the protector cuts the power to the rest of the luminaire by turning it off to ensure that no voltage spikes are propagated to the rest of the device. In the intermediate sphere the drivers are prepared to withstand voltage peaks of up to 6 kV and 10kV. In the nuclear field, the protection in the LED module is provided both in its input, for small surges that have not been filtered by external spheres, and in the capacitive effects generated in the PCB of the module product of atmospheric electricity activity.



The SYSTEMSHIELD technology is designed to guarantee the useful life hours of luminaires installed in environments in which exceeding the maximum operating temperature is possible and even probable. Using thermal probes, the luminaire knows its operating temperature at all times. In case this temperature exceeds the maximum allowed, the luminaire automatically regulates itself to reduce its power and keep the temperature of all its components within the safety values that guarantee the hours of life.

# Solutions



## **Cora Manager**

*Solution for city*

The Cora Manager solution is a control system that allows reprogramming the luminaire regulation curves, provided with Cora Manager Ready technology, connected to a panel. At the time of the start-up, the table is positioned with the reference indicated in the configuration.



## **Prilux Cora Platform**

*Remote Management Platform*

Sistema de control remoto que permite monitorizar, medir y administrar la infraestructura de alumbrado público a través de plataforma software.

# Total versatility

Urban areas



Stations



Residential Streets/



Parks



Zebra Crossing



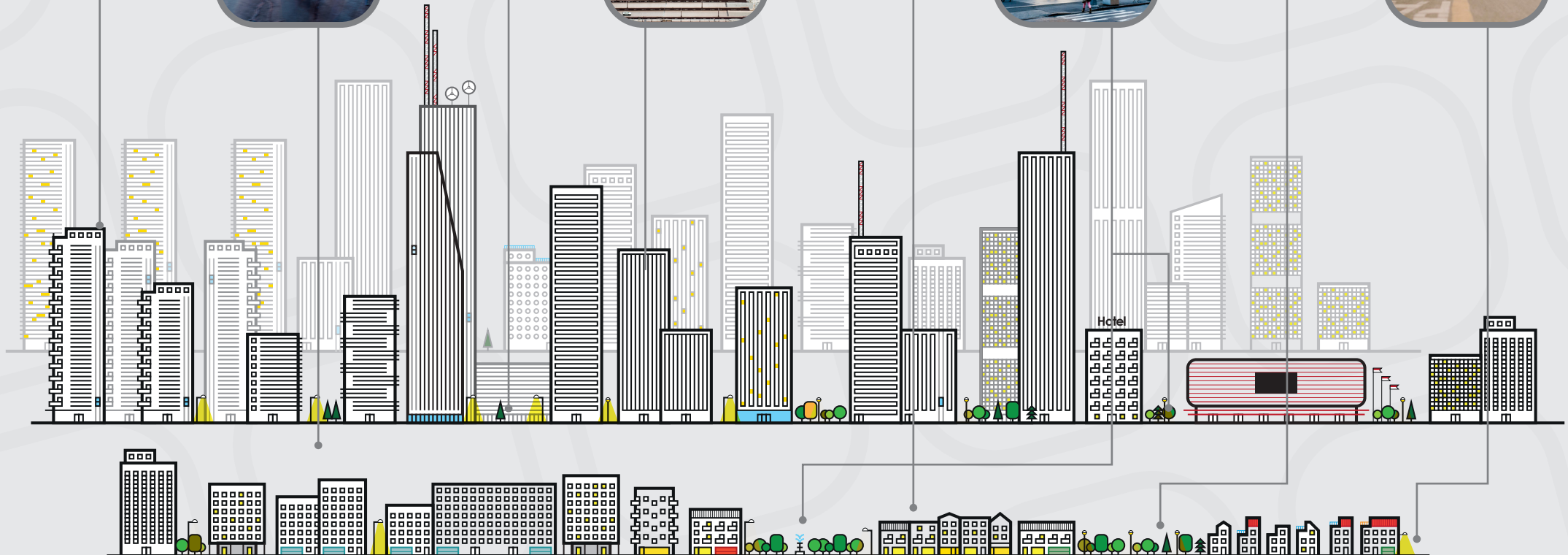
Bridges



Squares/



Bicycle lanes





[www.grupoprilux.com](http://www.grupoprilux.com)

