

# LOLA – Technical data sheet



## ELECTRICAL SPECIFICATIONS

|                                |                |
|--------------------------------|----------------|
| <b>Voltage</b>                 | 220 ÷ 240 V ac |
| <b>Frequency</b>               | 50 – 60 Hz     |
| <b>Electrical safety class</b> | Classe II      |
| <b>Power supply efficiency</b> | 90%            |

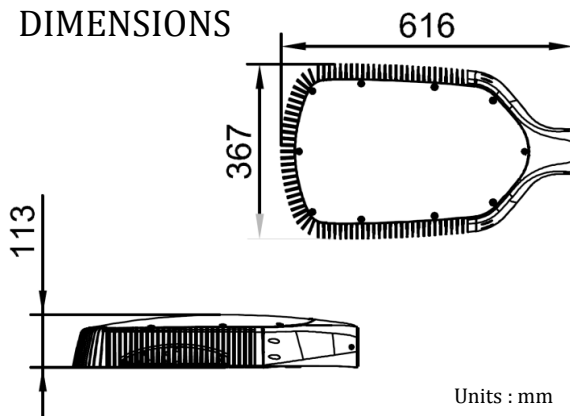
## MECHANICAL FEATURES

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>Body</b>                 | Die-cast aluminium EN 46100           |
| <b>Paint</b>                | Resistant to 1000 hours in salt spray |
| <b>Glass</b>                | Extra clear, 4-mm thick               |
| <b>External screws</b>      | A2 stainless steel                    |
| <b>Total weight</b>         | 9,5 kg                                |
| <b>Ingress protection</b>   | IP 66                                 |
| <b>Impact resistance</b>    | IK08 – 5J                             |
| <b>Wind exposed surface</b> | 0,159                                 |

## OPTICAL FEATURES

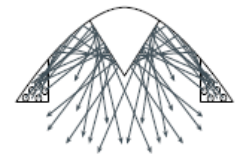
|                                |  |
|--------------------------------|--|
| <b>Total reflection patent</b> | 1395290  |
| <b>LED</b>                     | CREE XE (optics A)<br>PHILIPS LUMILEDS LUXEON M (optics B) |
| <b>Photobiological safety</b>  | Exempt group   |

## DIMENSIONS



## INTERNATIONAL PATENT

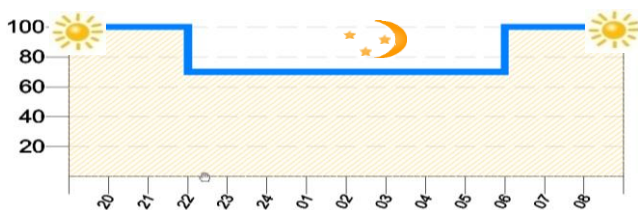
The **international total reflection** involves the usage of reflector that captures and blends the light emission through the initial optical assembly and then uses a second assembly to cast it uniformly. Applied in its standard form above all for street lighting, it delivers visual comfort and uniform lighting, without creating dark spots or glare.



## PROPRIETARY SURGE PROTECTOR

Arianna has studied a system able to protect the fixtures against overvoltage by inserting a proprietary device between the power supply and the LED modules. R&D laboratory have shown that the system is protected against overvoltage up to 4kVolt. The excellent operation of the LED and power supply protection implies a guarantee of security and continuity in the use of the system even in the event of over-voltage.

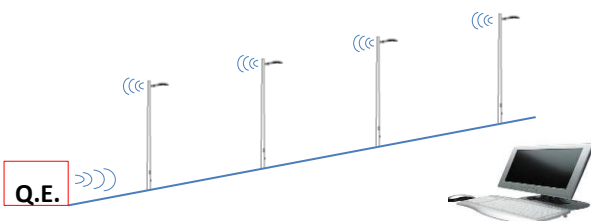
## AUTODIMMING DEVICE



LOLA uses power supplies that apply a special algorithm to allow lumen output and power consumption to be reduced during the middle of the night. This reduction is applied in the middle of the operating period.

The technology employed also allows different adjustment profiles to be set so that energy saving can be adapted to suit lighting requirements.

## SMART CITY SYSTEM



LOLA has been designed to be integrated in light output management system. Each fitting features a dimmable electronic driver that can interface with a module designed to control the drivers' power supply and, consequently, the intensity of the luminaire's light output. This system also allows the street light to be incorporated into a local communication network, making it part of a smart system for the provision of integrated public utility and security services.



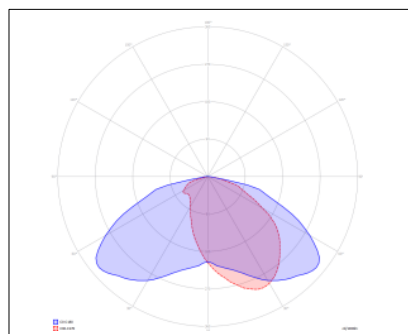
Visit [www.ariannaled.com](http://www.ariannaled.com) for the complete list of certified products.

Flux and power data are corresponding to typical values referring to ambient temperature (Ta) equal to 25°C or 77° F with a tolerance of ±10%.

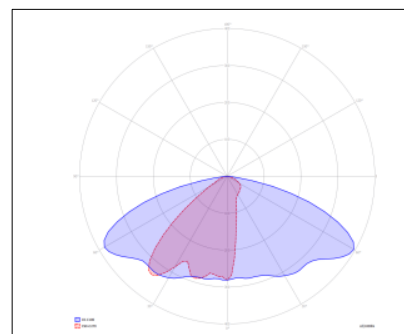
**Arianna spa** via dell'Industria 14 - 35020 Brugine (PD) t +39 049 7389920 f +39 049 7389924

info@ariannaled.com/www.ariannaled.com P.I. 04387780283 società soggetta ad attività di direzione e coordinamento di Carel S.p.A.

## LIGHTING DISTRIBUTION



TYPE A



TYPE B


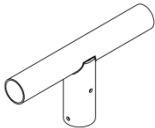
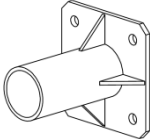
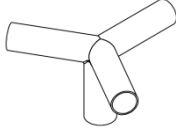
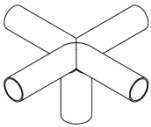
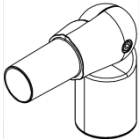
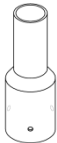

## TYPE A OPTICS

| Model    | n.LED | Luminaire flux<br><i>lm@4000K</i> | LED flux<br><i>lm@4000K</i> | CRI | Power<br><i>W</i> | Efficacy<br><i>lm/W</i> |
|----------|-------|-----------------------------------|-----------------------------|-----|-------------------|-------------------------|
| 30 watt  | 16    | 2181                              | 3210                        | 70  | 33                | 66                      |
| 40 watt  | 22    | 2965                              | 4410                        | 70  | 45                | 66                      |
| 50 watt  | 28    | 3755                              | 5620                        | 70  | 56                | 67                      |
| 60 watt  | 32    | 4261                              | 6420                        | 70  | 64                | 67                      |
| 80 watt  | 40    | 5264                              | 8020                        | 70  | 80                | 66                      |
| 120 watt | 64    | 8220                              | 12840                       | 70  | 125               | 66                      |

## TYPE B OPTICS

| Model    | n.LED | Luminaire flux<br><i>lm@4000K</i> | LED flux<br><i>lm@4000K</i> | CRI | Power<br><i>W</i> | Efficacy<br><i>lm/W</i> |
|----------|-------|-----------------------------------|-----------------------------|-----|-------------------|-------------------------|
| 30 watt  | 4     | 2820                              | 4160                        | 70  | 30                | 94                      |
| 45 watt  | 6     | 4240                              | 6240                        | 70  | 45                | 94                      |
| 60 watt  | 8     | 5590                              | 8320                        | 70  | 60                | 93                      |
| 75 watt  | 10    | 6950                              | 10400                       | 70  | 75                | 93                      |
| 90 watt  | 12    | 7980                              | 12480                       | 70  | 90                | 89                      |
| 120 watt | 16    | 10640                             | 16640                       | 70  | 120               | 89                      |

## ACCESSORIES

| Single post top fixation 90°  |        | Double post top fixation 90°  |   | Wall mount bracket   | Triple post top fixation 90°  |
|---|--------|---|---|--|---|
|  |        |  |   |  |  |
| Ø 60 mm   | Ø76 mm | Ø 60 mm   | Ø76 mm  |  | Ø 60 mm   |
| Quadruple post top fixation 90°   |        | Adjustable rotule fixation  | Diameter Adaptor  |  | Electrical network fastener   |
|  |        |  |  |  |  |
| Ø 60 mm   |        | Ø 60 mm   | Ø76/ 60 mm  |  | CAVI H07RN-F 2X1,5MM  |