

# ANTARES Red LED Floodlight 100 W

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smart city technologies



## General Application Areas

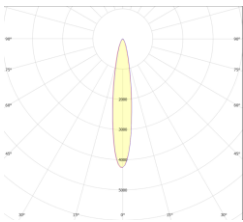


Imaging Systems

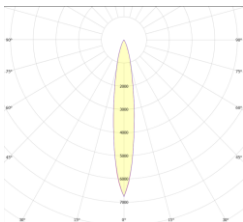


ANPR

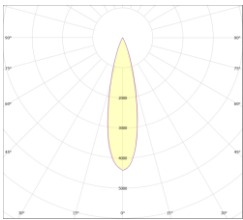
## Optical Beam Angles



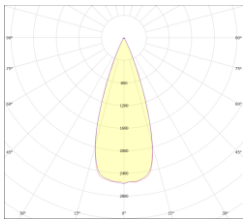
8°



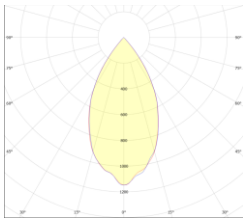
17°



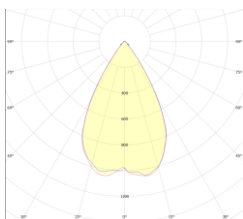
25°



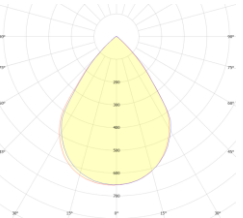
40°



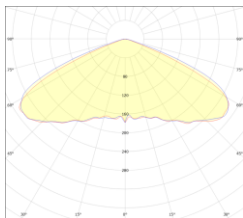
45°



60°



90°



110°

## General Information

The Antares LED Floodlight is an LED-based lighting device used to support red violation systems. Its energy-efficient red light has been optimized for night vision. The luminaire body is engineered to withstand outdoor conditions. It has an 8° light angle for red violation, license plate reading, and other roadway detection systems. It offers options for 17°, 25°, 40°, 45°, 60°, 90°, and 110°, suitable for various applications.

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## Technical Specifications

|                     |                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------|
| Body                | : Aluminum Injection                                                                         |
| Color Options       | : RAL 9004                                                                                   |
| IP Protection Class | : IP 66                                                                                      |
| Front Cover         | : Tempered Glass                                                                             |
| Light source        | : LED                                                                                        |
| Lens                | : PMMA                                                                                       |
| Test Standards      | : TS EN 60598-1, TS EN 60598-2-5, TS EN 62031, TS EN 62262, TS IEC TR 62471, TS EN 62722-2-1 |

## Optical and Electrical Properties

|                     |                                         |                           |               |
|---------------------|-----------------------------------------|---------------------------|---------------|
| Power               | 94W                                     | Total Harmonic Distortion | <%20          |
| Wavelength          | 850nm                                   | Power Factor              | >0,95         |
| Throttling Options: | 1-10V, TRIAC, DALI                      | Infrared Emission         | 43 W          |
| Light Angle         | 8°, 17°, 25°, 40°, 45°, °60°, 90°, 110° | Weight                    | 4.5 kg        |
| Input Voltage       | 200-240 V AC 50/60 Hz                   | Dimensions                | 355x344x65 mm |

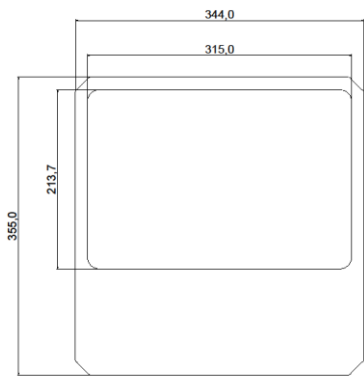
## Other Features

|                         |               |                 |         |
|-------------------------|---------------|-----------------|---------|
| Operating Temperature   | -25°/+55°C    | CE Marking      | Yes     |
| Impact Resistance Class | IK 08         | RoHS Compliance | Yes     |
| Lifetime                | ≥30,000 Hours | Warranty Period | 3 Years |

## Properties

- Ideal for Traffic Application.
- Extra long life with very low maintenance.
- IP66 Enclosure for Outdoor Mounting.
- Compact with integrated LED Light Source.
- The pulse range can be adjusted from 1.6K~30KHz.
- Standalone or External trigger
- Synchronized support with camcorde (NTSC&PAL)
- Super long range up to 400m.

## Technical Drawing (Side View) and Wiring Diagram



## Product Variations

| Product Code             | Power | Input Voltage         | Infrared Emission | Wavelength | Light Angle | Dimensions    | Weight |
|--------------------------|-------|-----------------------|-------------------|------------|-------------|---------------|--------|
| ANT-094SM-00082-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 8°          | 355x344x65 mm | 4.5kg  |
| ANT-094SM-00172-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 17°         | 355x344x65 mm | 4.5kg  |
| ANT-094SM-00252-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 25°         | 355x344x65 mm | 4.5kg  |
| ANT-094SM-00402-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 40°         | 355x344x65 mm | 4.5kg  |
| ANT-094SM-00452-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 45°         | 355x344x65 mm | 4.5kg  |
| ANT-094SM-00602-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 60°         | 355x344x65 mm | 4.5kg  |
| ANT-094SM-00902-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 90°         | 355x344x65 mm | 4.5kg  |
| ANT-094SM-01202-850-9004 | 94 W  | 200-240 V AC 50/60 Hz | 43 W              | 850 nm     | 120°        | 355x344x65 mm | 4.5kg  |