# R-Light

- **Adjustable sleeve for lateral or top mounting.**
- **Negative lateral tilt up to -100°.**
  **Ideal for retrofitting on very inclined bracket.**
- **Available in 2 sizes.**

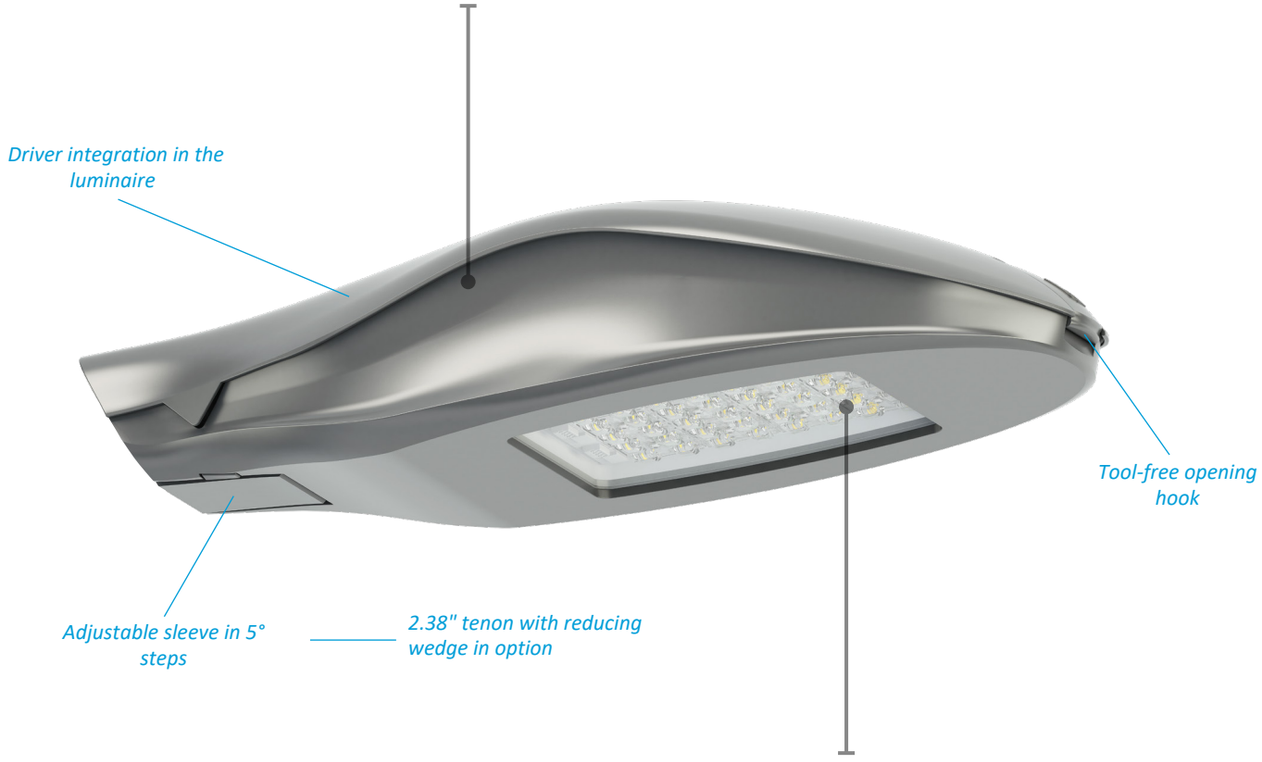
R-Light is a functional cast aluminum fixture designed for road lighting. Its oval curved shape allows for tool-free opening with an automatic disconnection option, located at the end of the luminaire. Available in two sizes, accommodating 8 to 64 LEDs, 3,000 and 4,000 Kelvin color temperatures, and Type 2 through Type 5 distribution to precisely meet the lighting needs of the project while ensuring compliance with the regulations against light pollution. With an adaptive top or side mounting and adjustable tilt, IK08 tempered glass protection and is fully IP66.

ÉCLAIRAGE RAISONNÉ
CONFORME
ARRÊTÉ
27/12/2018
PRÉVENTION DES NUISANCES LUMINEUSES
1000 lm
18400 lm
IK08
IP66
CEE
CERTIFICAT
D'ÉCONOMIE
D'ÉNERGIE
Zhaga
standard
Ouverture sans outil
Tool free opening

# R-LIGHT 650

## LUMINAIRE'S SPECIFICATIONS

| | |
|---|---|
| **Weight** | 19 lbs |
| **EPA** | 0.33 |
| **Protection index** | IP66 |
| **Materials** | Aluminium |



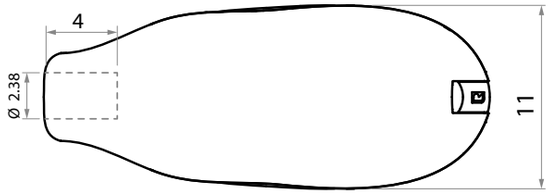

## Optical unit & control gear

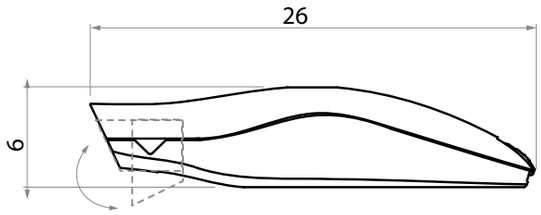
16 to 48 LED module in Zhaga standard - From 1000 to 13800 lm (see attached EVO2 data sheet for details on power, light intensity and photometry available). Integrated smart driver (control, automatic adjustment, CLO, graduation via voltage variation or DALI). ULR 0% *(LED) (ULR: Upward Light Ratio).*

| | |
|---|---|
| **Materials** | Tempered glass |
| **Electric class** | I and II |
| **Protection index** | IP66 |
| **Shock resistance** | IK08 |

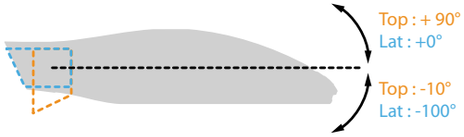
*Operating temperature: -40°F to +95°F (up to +50° under conditions).*

# Dimensions (in)




## Tilt




**Installation note**
Tilts are possible to adapt the luminaire to different bracket configurations. In order to comply with light pollution control requirements, the inclination of a luminaire should not exceed 20°.

# Options

- Pre-wiring.
- Surge protection.
- Zhaga socket or Nema socket on top and/ or bottom of the luminaire + smart lighting accessories (detection, communication, photocell, sensors...).
- Ø1.34"/1.65"/1.89" with reducing wedge.
- Automatic disconnection on opening.
- Backlight control.
- NTC sens.

# Ecodesign

Luminaire designed in compliance with the environmental criteria of energy efficiency, recyclability, and interoperability. Associate member of the Zhaga consortium, Ragni integrates electronic elements in this product that comply with the Zhaga standard, which ensures its scalability and interoperability. Member of the Global Compact since 2018, Ragni is committed to working towards the 17 Sustainable Development Goals (SDG 11, 12, 13, 15). This luminaire is guaranteed free of hazardous substances. Eligible for the energy savings certificate. This luminaire is compliant with the decree of 12/27/2018 on the prevention. reduction and limitation of light pollution: product configuration to be defined according to the nature of the project.

# Applicable standards

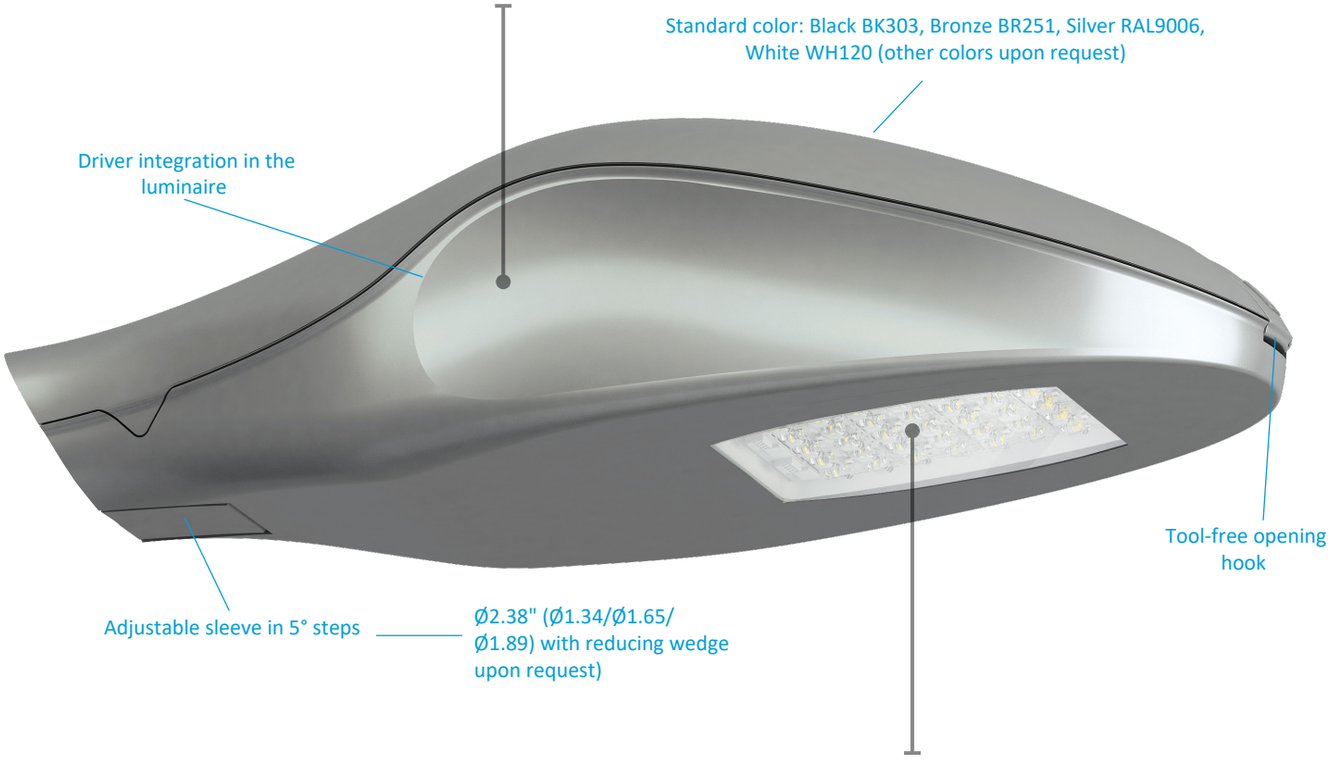
IEC/EN 60598-1 / IEC/EN 60598-2-3 / NF EN 60529 / NF EN 62262 / IEC/EN 55015 / IEC/EN 61547 / IEC/EN 61000-3.2 / IEC/EN 61000-3.3 / IEC/EN 62493 / IEC/EN 62031 / IEC/EN 62471 / IEC/EN 61347-1 / IEC/EN 61347-2-13 / NF EN 13201-3 / NF EN 13201-4 / EN 13032-1+A1 & EN 13032-4 / LM79 / NF EN 12981

# R-LIGHT 800

## LUMINAIRE'S SPECIFICATIONS

### Luminaire's body

| | |
|---|---|
| **Weight** | 23 lbs |
| **EPA** | 0.861 |
| **Protection index** | IP66 |
| **Materials** | Aluminium |



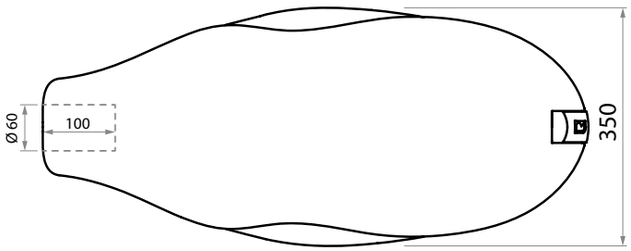

### Optical unit & control gear

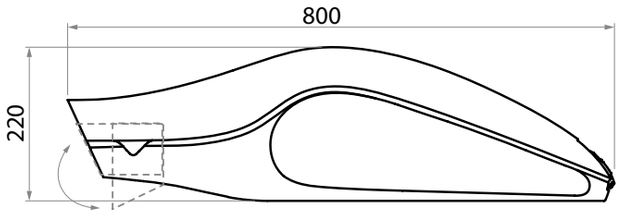
16 to 48 LED module in Zhaga standard - From 3100 to 18400 lm (see attached EVO2 data sheet for details on power, light intensity and photometry available). Integrated smart driver (control, automatic adjustment, CLO, graduation via voltage variation or DALI). ULR 0% *(LED) (ULR: Upward Light Ratio).*

| | |
|---|---|
| **Materials** | Tempered glass |
| **Electric class** | I and II |
| **Protection index** | IP66 |
| **Shock resistance** | IK08 (IK10 on request) |

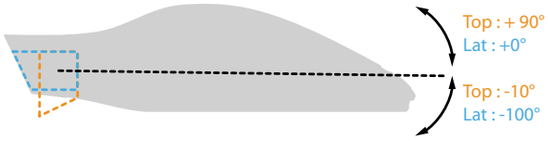
*Operating temperature: -40°F to +95°F (up to +50° under conditions).*

# Dimensions (in)




## Tilt




**Installation note**
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# Options

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- Surge protection.
- Zhaga socket or Nema socket on top and/ or bottom of the luminaire + smart lighting accessories (detection, communication, photocell, sensors...).
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# R-LIGHT

## Power and luminous intensity - *Luminous output data*

| 3000K | 350 mA | | | 500 mA | | | 700 mA | | |
|---|---|---|---|---|---|---|---|---|---|
| Number of LEDs | $P_t$ (W) | Φ (lm) | (lm/W) | $P_t$ (W) | Φ (lm) | (lm/W) | $P_t$ (W) | Φ (lm) | (lm/W) |
| 16 | 19 | 2375 | 125 | 26 | 3257 | 99 | 36 | 4361 | 122 |
| 32 | 35 | 4749 | 136 | 49 | 6514 | 105 | 69 | 8723 | 127 |
| 48 | 51 | 7124 | 140 | 73 | 9771 | 105 | 103 | 13084 | 128 |

| 4000K | 350 mA | | | 500 mA | | | 700 mA | | |
|---|---|---|---|---|---|---|---|---|---|
| Number of LEDs | $P_t$ (W) | Φ (lm) | (lm/W) | $P_t$ (W) | Φ (lm) | (lm/W) | $P_t$ (W) | Φ (lm) | (lm/W) |
| 16 | 19 | 2504 | 132 | 26 | 3437 | 133 | 36 | 4602 | 128 |
| 32 | 35 | 5008 | 144 | 49 | 6875 | 141 | 69 | 9203 | 134 |
| 48 | 51 | 7512 | 148 | 73 | 10312 | 142 | 103 | 13805 | 135 |

Pt (W)= Total power consumption including driver consumption Φ Nominal flux (lm)

## Ordering Information- *Catalog Number*

| Fixture | Model | # LED | CCT (K) | Drive Current | Distribution | Line Voltage | Mounting | Fixture Color |
|---|---|---|---|---|---|---|---|---|
| RLI | 650 | 16 | 3 - (3,000) | 35 - (350) | T1 | 1- (120-277) | TL- (Top/Lateral Mounted) | BLK- (Black) |
| | 800 | 32 | 4 - (4,000) | 50 - (500) | T2 | 3- (347-480) | | BRZ- (Bronze) |
| | | 48 | | 70 - (700) | T3 | | | SLV- (Sliver) |
| | | | | | T4 | | | WHT- (White) |
| | | | | | T5 | | | (RAL #) |