



# LED road lighting easy transformer

## RoadFlair ECO

RoadFlair ECO is a newly designed road lighting product, set to meet customers' requirements, including high lumen efficacy for energy saving and sustainability, aesthetic design for nice shape and appearance, quality material and components for product reliability and long lifetime, professional optic for lighting application fulfilment, dimming and system control interface for improving municipal operations and offering future-proof features. RoadFlair ECO's competitive price would help on the acceleration of road lighting LED transformation, to more sustainable society and smarter city.

### Benefits

- High lumen efficacy for energy saving
- Robust quality and reliability
- Professional optic for various road applications
- Control interface for system compatibility
- Economical LED alternative to conventional street lights

### Features

- Two housing types covering up to 18Klm
- Typical 150lm/W, high lumen efficacy for energy saving
- Robust quality and reliability, 100Khrs lifetime
- Professional optic for road applications
- 1-10V dimming interface for system compatibility

### Application

- Pedestrian Road
- Residential Road
- Interchange
- Highway Road

### Specifications

# RoadFlair ECO

|                   |                             |
|-------------------|-----------------------------|
| Material          | Housing: die-cast aluminium |
|                   | Optic cover: polycarbonate  |
| Light Source      | 5050 LED                    |
| Installation      | Side entry 40-60mm          |
|                   | Optional adjustable spigot  |
| Luminous flux     | System flux up to 18100lm   |
| Correlated color  | 5700K                       |
| temperature - CCT | 4000K                       |
|                   | 3000K                       |
|                   | 2700K                       |
|                   | 2200K                       |

|                             |                    |
|-----------------------------|--------------------|
| Luminaire efficacy          | 4000K: 150lm/W     |
| Color Rendering index -     | 70                 |
| CRI                         |                    |
| Power                       | up to 120W         |
| Mains Voltage               | 220-240V / 50-60Hz |
| Control system input        | 1-10V              |
| Dimming                     | PSA: 1-10V, AOC    |
| Operating Temperature range | -40 to +50C Ta     |
| Ingress protection          | IP66               |
| Certification               | IECEE CB, CE, CQC  |

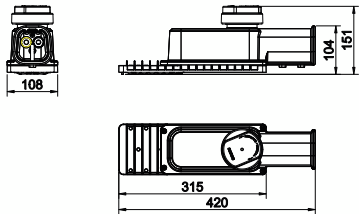
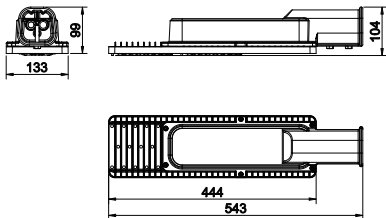
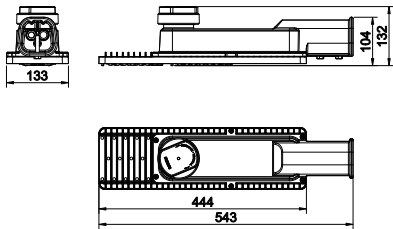
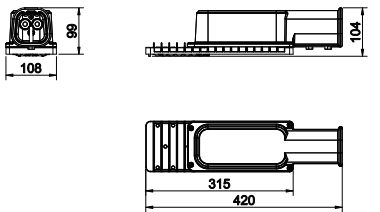
## Versions



Road Flair Eco

Road Flair Eco

## Dimensional drawing



| General Information          |                                       |
|------------------------------|---------------------------------------|
| Driver included              | Yes                                   |
| Gear                         | -                                     |
| Service tag                  | Yes                                   |
| Light Technical              |                                       |
| Color rendering index (CRI)  | 70                                    |
| Controls and Dimming         |                                       |
| Dimmable                     | Yes                                   |
| Mechanical and Housing       |                                       |
| Optical cover type           | Polycarbonate bowl/cover UV-resistant |
| Housing Color                | RAL7040                               |
| Mech. impact protection code | IK08                                  |
| Ingress protection code      | IP66                                  |
| Approval and Application     |                                       |
| CE mark                      | Yes                                   |
| Flammability mark            | -                                     |

Light Technical

| Order Code   | Full Product Name                      | Light source color | Correlated Color  |               |
|--------------|----------------------------------------|--------------------|-------------------|---------------|
|              |                                        |                    | Temperature (Nom) | Luminous Flux |
| 911401647509 | BRP490 LED99/NW 70W DW2n PSA SP1       | 740 neutral white  | 4000 K            | 9,900 lm      |
| 911401647609 | BRP490 LED75/NW 50W DW2n PSA           | 740 neutral white  | 4000 K            | 7,500 lm      |
| 911401647709 | BRP490 LED48/NW 30W DW2n PSA           | 740 neutral white  | 4000 K            | 4,800 lm      |
| 911401647909 | BRP490 LED99/NW 70W DW2n PSA SP1 P5    | 740 neutral white  | 4000 K            | 9,900 lm      |
| 911401648309 | BRP490 LED96/WW 70W DW2n PSA SP1 P5    | 730 warm white     | 3000 K            | 9,600 lm      |
| 911401648409 | BRP490 LED73/WW 50W DW2n PSA SP1 P5    | 730 warm white     | 3000 K            | 7,300 lm      |
| 911401648509 | BRP490 LED47/WW 30W DW2n PSA SP1 P5    | 730 warm white     | 3000 K            | 4,700 lm      |
| 911401647809 | BRP490L LED181/NW 120W DW2n PSA SP1 P5 | 740 neutral white  | 4000 K            | 18,100 lm     |
| 911401648009 | BRP490L LED176/WW 120W DW2n PSA SP1 P5 | 730 warm white     | 3000 K            | 17,600 lm     |
| 911401648109 | BRP490L LED153/WW 100W DW2n PSA SP1 P5 | 730 warm white     | 3000 K            | 15,300 lm     |
| 911401648209 | BRP490L LED120/WW 80W DW2n PSA SP1 P5  | 730 warm white     | 3000 K            | 12,000 lm     |
| 911401647209 | BRP490L LED181/NW 120W DW2n PSA SP1    | 740 neutral white  | 4000 K            | 18,100 lm     |
| 911401647309 | BRP490L LED157/NW 100W DW2n PSA SP1    | 740 neutral white  | 4000 K            | 15,700 lm     |
| 911401647409 | BRP490L LED124/NW 80W DW2n PSA SP1     | 740 neutral white  | 4000 K            | 12,400 lm     |

Operating and Electrical

| Order Code   | Full Product Name                   | Power Consumption | Order Code   | Full Product Name                      | Power Consumption |
|--------------|-------------------------------------|-------------------|--------------|----------------------------------------|-------------------|
| 911401647509 | BRP490 LED99/NW 70W DW2n PSA SP1    | 70 W              | 911401647809 | BRP490L LED181/NW 120W DW2n PSA SP1 P5 | 120 W             |
| 911401647609 | BRP490 LED75/NW 50W DW2n PSA        | 50 W              | 911401648009 | BRP490L LED176/WW 120W DW2n PSA SP1 P5 | 120 W             |
| 911401647709 | BRP490 LED48/NW 30W DW2n PSA        | 30 W              | 911401648109 | BRP490L LED153/WW 100W DW2n PSA SP1 P5 | 100 W             |
| 911401647909 | BRP490 LED99/NW 70W DW2n PSA SP1 P5 | 70 W              | 911401648209 | BRP490L LED120/WW 80W DW2n PSA SP1 P5  | 80 W              |
| 911401648309 | BRP490 LED96/WW 70W DW2n PSA SP1 P5 | 70 W              | 911401647209 | BRP490L LED181/NW 120W DW2n PSA SP1    | 120 W             |
| 911401648409 | BRP490 LED73/WW 50W DW2n PSA SP1 P5 | 50 W              | 911401647309 | BRP490L LED157/NW 100W DW2n PSA SP1    | 100 W             |
| 911401648509 | BRP490 LED47/WW 30W DW2n PSA SP1 P5 | 30 W              |              |                                        |                   |

