



# LED road lighting all-round player

## RoadFlair Gen2

RoadFlair Gen2 is brand new design road lighting product family, set to meet customers' all-round 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 optics for various applications fulfillment, dimming and system control interface for improving municipal operations and offering future-proof features. RoadFlair Gen2 competitive price would help on the acceleration of road lighting LED transformation, to a more sustainable society and smarter city.

### Benefits

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

### Features

- Four housing types covering up to 43Klm
- Typical 140lm/W
- 1-10V dimming interface
- 100Khrs lifetime
- 10kV or 15kV Surge protection Device

### Application

- Pedestrian Road
- Highway Road
- Residential Road
- Interchange

### Specifications

# RoadFlair Gen2

|                                    |                             |
|------------------------------------|-----------------------------|
| Material                           | Housing: die-cast aluminium |
|                                    | Optic cover: polycarbonate  |
| Light Source                       | 3030 LED                    |
| Installation                       | Side entry 42-60mm          |
|                                    | Optional adjustable spigot  |
| Luminous flux                      | System flux up to 43500lm   |
| Correlated color temperature - CCT | 5700K                       |
|                                    | 4000K                       |
|                                    | 3000K                       |
|                                    | 2700K                       |
|                                    | 2200K                       |
|                                    |                             |
| Luminaire efficacy                 | 4000K: 140lm/W              |

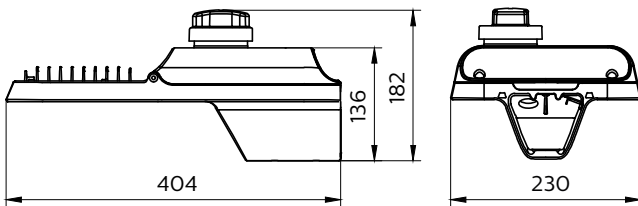
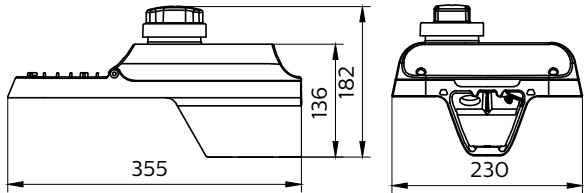
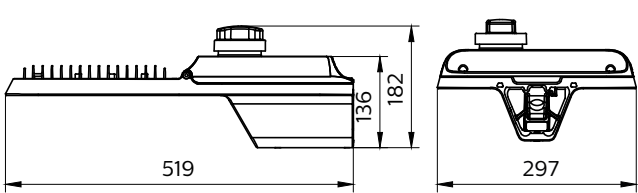
|                             |                                |
|-----------------------------|--------------------------------|
| Color Rendering index - 70  |                                |
| CRI                         |                                |
| Power                       | up to 300W                     |
| Mains Voltage               | 220-240V / 50-60Hz             |
| Control system input        | 1-10V                          |
| Dimming                     | PSR: 1-10V                     |
|                             | PSRD: 1-10V, Step dimming, AOC |
| Operating Temperature range |                                |
| -40 to +50C Ta              |                                |
| Ingress protection          | IP66                           |
| Certification               | IECEE CB, CE, CQC, RCM         |

## Versions



RoadFlair Gen2 BRP49X

## Dimensional drawing



# RoadFlair Gen2

## Product details

RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



RoadFlair Gen2 BRP49X



| General Information          |                                   |
|------------------------------|-----------------------------------|
| Driver included              | Yes                               |
| Service tag                  | Yes                               |
| Light Technical              |                                   |
| Color rendering index (CRI)  | >70                               |
| Controls and Dimming         |                                   |
| Dimmable                     | Yes                               |
| Mechanical and Housing       |                                   |
| Optical cover type           | Polycarbonate<br>micro lens optic |
| Housing Color                | Aluminum and<br>gray              |
| Mech. impact protection code | IK08                              |
| Ingress protection code      | IP66                              |
| Approval and Application     |                                   |
| CE mark                      | Yes                               |

Light Technical

| Order Code   | Full Product Name                       | Light source color | Correlated Color  |               |
|--------------|-----------------------------------------|--------------------|-------------------|---------------|
|              |                                         |                    | Temperature (Nom) | Luminous Flux |
| 911401673406 | BRP492 LED215/NW 150W 220-240V DM GM    | 740 neutral white  | 4000 K            | 21,500 lm     |
| 911401674706 | BRP492 LED201/WW 150W 220-240V DM GM    | 730 warm white     | 3000 K            | 20,100 lm     |
| 911401673506 | BRP493 LED285/NW 200W 220-240V DM GM    | 740 neutral white  | 4000 K            | 28,500 lm     |
| 911401674006 | BRP493 LED285/NW 200W 220-240V DM P7 GM | 740 neutral white  | 4000 K            | 28,500 lm     |
| 911401674106 | BRP493 LED362/NW 250W 220-240V DM P7 GM | 740 neutral white  | 4000 K            | 36,200 lm     |
| 911401674806 | BRP493 LED268/WW 200W 220-240V DM GM    | 730 warm white     | 3000 K            | 26,800 lm     |
| 911401674906 | BRP493 LED335/WW 250W 220-240V DM GM    | 730 warm white     | 3000 K            | 33,500 lm     |
| 911401673006 | BRP491 LED102/NW 70W 220-240V DM GM     | 740 neutral white  | 4000 K            | 10,200 lm     |
| 911401673106 | BRP491 LED115/NW 80W 220-240V DM GM     | 740 neutral white  | 4000 K            | 11,500 lm     |
| 911401673206 | BRP491 LED130/NW 90W 220-240V DM GM     | 740 neutral white  | 4000 K            | 13,000 lm     |
| 911401673306 | BRP491 LED142/NW 100W 220-240V DM GM    | 740 neutral white  | 4000 K            | 14,200 lm     |
| 911401673806 | BRP491 LED142/NW 100W 220-240V DM P7 GM | 740 neutral white  | 4000 K            | 14,200 lm     |
| 911401674306 | BRP491 LED94/WW 70W 220-240V DM GM      | 730 warm white     | 3000 K            | 9,400 lm      |
| 911401674406 | BRP491 LED107/WW 80W 220-240V DM GM     | 730 warm white     | 3000 K            | 10,700 lm     |
| 911401674606 | BRP491 LED134/WW 100W 220-240V DM GM    | 730 warm white     | 3000 K            | 13,400 lm     |

Operating and Electrical

| Order Code   | Full Product Name                       | Power Consumption | Order Code   | Full Product Name                       | Power Consumption |
|--------------|-----------------------------------------|-------------------|--------------|-----------------------------------------|-------------------|
| 911401673406 | BRP492 LED215/NW 150W 220-240V DM GM    | 150 W             | 911401673106 | BRP491 LED115/NW 80W 220-240V DM GM     | 80 W              |
| 911401674706 | BRP492 LED201/WW 150W 220-240V DM GM    | 150 W             | 911401673206 | BRP491 LED130/NW 90W 220-240V DM GM     | 90 W              |
| 911401673506 | BRP493 LED285/NW 200W 220-240V DM GM    | 200 W             | 911401673306 | BRP491 LED142/NW 100W 220-240V DM GM    | 100 W             |
| 911401674006 | BRP493 LED285/NW 200W 220-240V DM P7 GM | 200 W             | 911401673806 | BRP491 LED142/NW 100W 220-240V DM P7 GM | 100 W             |
| 911401674106 | BRP493 LED362/NW 250W 220-240V DM P7 GM | 250 W             | 911401674306 | BRP491 LED94/WW 70W 220-240V DM GM      | 70 W              |
| 911401674806 | BRP493 LED268/WW 200W 220-240V DM GM    | 200 W             | 911401674406 | BRP491 LED107/WW 80W 220-240V DM GM     | 80 W              |
| 911401674906 | BRP493 LED335/WW 250W 220-240V DM GM    | 250 W             | 911401674606 | BRP491 LED134/WW 100W 220-240V DM GM    | 100 W             |
| 911401673006 | BRP491 LED102/NW 70W 220-240V DM GM     | 70 W              |              |                                         |                   |

