



# 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

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

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

## Dimensional drawing



### General Information

<b>Driver included</b>	Yes
<b>Gear</b>	-
<b>Service tag</b>	Yes

### Light Technical

<b>Light source color</b>	740 neutral white
<b>Correlated Color Temperature (Nom)</b>	4000 K
<b>Color rendering index (CRI)</b>	70

### Controls and Dimming

<b>Dimmable</b>	Yes
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### Mechanical and Housing

<b>Optical cover type</b>	Polycarbonate bowl/cover UV-resistant
<b>Housing Color</b>	RAL7040
<b>Mech. impact protection code</b>	IK08
<b>Ingress protection code</b>	IP66

### Approval and Application

<b>CE mark</b>	Yes
<b>Flammability mark</b>	-

### Light Technical

Order Code	Full Product Name	Luminous Flux
911401647509	BRP490 LED99/NW 70W DW2n PSA SP1	9,900 lm
911401647709	BRP490 LED48/NW 30W DW2n PSA	4,800 lm
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1	18,100 lm
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1	15,700 lm
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1	12,400 lm

## Operating and Electrical

## RoadFlair ECO

Order Code	Full Product Name	Power Consumption
911401647509	BRP490 LED99/NW 70W DW2n PSA SP1	70 W
911401647709	BRP490 LED48/NW 30W DW2n PSA	30 W
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1	120 W

Order Code	Full Product Name	Power Consumption
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1	100 W
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1	80 W

