



# 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

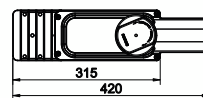
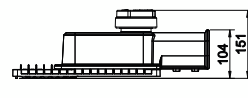
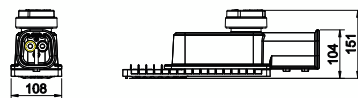
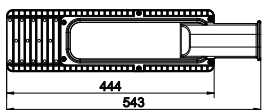
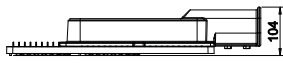
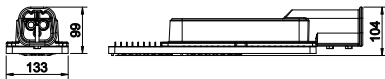
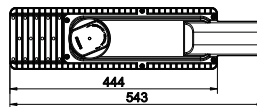
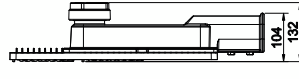
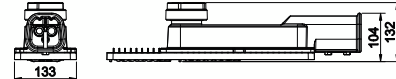
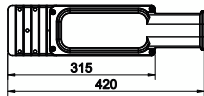
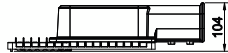
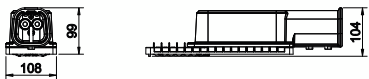
<b>Luminaire efficacy</b>	4000K: 150lm/W
<b>Color Rendering index - CRI</b>	70
<b>Power</b>	up to 120W
<b>Mains Voltage</b>	220-240V / 50-60Hz
<b>Control system input</b>	1-10V
<b>Dimming</b>	PSA: 1-10V, AOC
<b>Operating Temperature range</b>	-40 to +50C Ta
<b>Ingress protection</b>	IP66
<b>Certification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

## Versions



Road Flair Eco

## Dimensional drawing



General Information	
Driver included	Yes
Gear	-
Light Technical	
Color rendering index (CRI)	70
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	-

## General Information

Order Code	Full Product Name	Service tag
911401647509	BRP490 LED99/NW 70W DW2n PSA SP1 GC	Yes
911401647609	BRP490 LED75/NW 50W DW2n PSA GC	Yes
911401647709	BRP490 LED48/NW 30W DW2n PSA GC	Yes
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5 GC	Yes
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5 GC	Yes
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5 GC	Yes
911401648509	BRP490 LED47/WW 30W DW2n PSA SP1 P5 GC	Yes
911401647809	BRP490L LED181/NW 120W DW2n PSA SP1P5 GC	Yes
911401648009	BRP490L LED176/WW 120W DW2n PSA SP1P5 GC	Yes
911401648109	BRP490L LED153/WW 100W DW2n PSA SP1P5 GC	Yes
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5 GC	Yes
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1 GC	Yes
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1 GC	Yes
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1 GC	Yes
911401679809	BRP490L LED182/WW 120W DW2n PSRD SP1	-
911401679909	BRP490L LED150/WW 100W DW2n PSRD SP1	-
911401680009	BRP490L LED122/WW 80W DW2n PSRD SP1	-
911401680209	BRP490L LED187/NW 120W DW2n PSRD SP1	-
911401680309	BRP490L LED154/NW 100W DW2n PSRD SP1	-
911401680409	BRP490L LED126/NW 80W DW2n PSRD SP1	-

## Light Technical

Order Code	Full Product Name	Correlated Color		
		Light source color	Temperature (Nom)	Luminous Flux
911401647509	BRP490 LED99/NW 70W DW2n PSA SP1 GC	740 neutral white	4000 K	9,900 lm
911401647609	BRP490 LED75/NW 50W DW2n PSA GC	740 neutral white	4000 K	7,500 lm
911401647709	BRP490 LED48/NW 30W DW2n PSA GC	740 neutral white	4000 K	4,800 lm
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5 GC	740 neutral white	4000 K	9,900 lm
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5 GC	730 warm white	3000 K	9,600 lm
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5 GC	730 warm white	3000 K	7,300 lm
911401648509	BRP490 LED47/WW 30W DW2n PSA SP1 P5 GC	730 warm white	3000 K	4,700 lm
911401647809	BRP490L LED181/NW 120W DW2n PSA SP1P5 GC	740 neutral white	4000 K	18,100 lm
911401648009	BRP490L LED176/WW 120W DW2n PSA SP1P5 GC	730 warm white	3000 K	17,600 lm

Order Code	Full Product Name	Correlated Color		
		Light source color	Temperature (Nom)	Luminous Flux
911401648109	BRP490L LED153/WW 100W DW2n PSA SP1P5 GC	730 warm white	3000 K	15,300 lm
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5 GC	730 warm white	3000 K	12,000 lm
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1 GC	740 neutral white	4000 K	18,100 lm
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1 GC	740 neutral white	4000 K	15,700 lm
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1 GC	740 neutral white	4000 K	12,400 lm
911401679809	BRP490L LED182/WW 120W DW2n PSRD SP1	730 warm white	3000 K	18,200 lm
911401679909	BRP490L LED150/WW 100W DW2n PSRD SP1	730 warm white	3000 K	15,000 lm
911401680009	BRP490L LED122/WW 80W DW2n PSRD SP1	730 warm white	3000 K	12,200 lm
911401680209	BRP490L LED187/NW 120W DW2n PSRD SP1	740 neutral white	4000 K	18,700 lm
911401680309	BRP490L LED154/NW 100W DW2n PSRD SP1	740 neutral white	4000 K	15,400 lm

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Order Code	Full Product Name	Light source color	Correlated Color	
			Temperature (Nom)	Luminous Flux
911401680409	BRP490L LED126/NW 80W DW2n PSRD SP1	740 neutral white	4000 K	12,600 lm

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401647509	BRP490 LED99/NW 70W DW2n PSA SP1 GC	70 W
911401647609	BRP490 LED75/NW 50W DW2n PSA GC	50 W
911401647709	BRP490 LED48/NW 30W DW2n PSA GC	30 W
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5 GC	70 W
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5 GC	70 W
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5 GC	50 W
911401648509	BRP490 LED47/WW 30W DW2n PSA SP1 P5 GC	30 W
911401647809	BRP490L LED181/NW 120W DW2n PSA SPIP5 GC	120 W
911401648009	BRP490L LED176/WW 120W DW2n PSA SPIP5 GC	120 W
911401648109	BRP490L LED153/WW 100W DW2n PSA SPIP5 GC	100 W

Order Code	Full Product Name	Power Consumption
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5 GC	80 W
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1 GC	120 W
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1 GC	100 W
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1 GC	80 W
911401679809	BRP490L LED182/WW 120W DW2n PSRD SP1	120 W
911401679909	BRP490L LED150/WW 100W DW2n PSRD SP1	100 W
911401680009	BRP490L LED122/WW 80W DW2n PSRD SP1	80 W
911401680209	BRP490L LED187/NW 120W DW2n PSRD SP1	120 W
911401680309	BRP490L LED154/NW 100W DW2n PSRD SP1	100 W
911401680409	BRP490L LED126/NW 80W DW2n PSRD SP1	80 W

### Controls and Dimming

Order Code	Full Product Name	Dimmable
911401647509	BRP490 LED99/NW 70W DW2n PSA SP1 GC	Yes
911401647609	BRP490 LED75/NW 50W DW2n PSA GC	Yes
911401647709	BRP490 LED48/NW 30W DW2n PSA GC	Yes
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5 GC	Yes
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5 GC	Yes
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5 GC	Yes
911401648509	BRP490 LED47/WW 30W DW2n PSA SP1 P5 GC	Yes
911401647809	BRP490L LED181/NW 120W DW2n PSA SPIP5 GC	Yes
911401648009	BRP490L LED176/WW 120W DW2n PSA SPIP5 GC	Yes
911401648109	BRP490L LED153/WW 100W DW2n PSA SPIP5 GC	Yes

Order Code	Full Product Name	Dimmable
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5 GC	Yes
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1 GC	Yes
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1 GC	Yes
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1 GC	Yes
911401679809	BRP490L LED182/WW 120W DW2n PSRD SP1	No
911401679909	BRP490L LED150/WW 100W DW2n PSRD SP1	No
911401680009	BRP490L LED122/WW 80W DW2n PSRD SP1	No
911401680209	BRP490L LED187/NW 120W DW2n PSRD SP1	No
911401680309	BRP490L LED154/NW 100W DW2n PSRD SP1	No
911401680409	BRP490L LED126/NW 80W DW2n PSRD SP1	No

