



# 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 temperature - CCT	5700K
	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

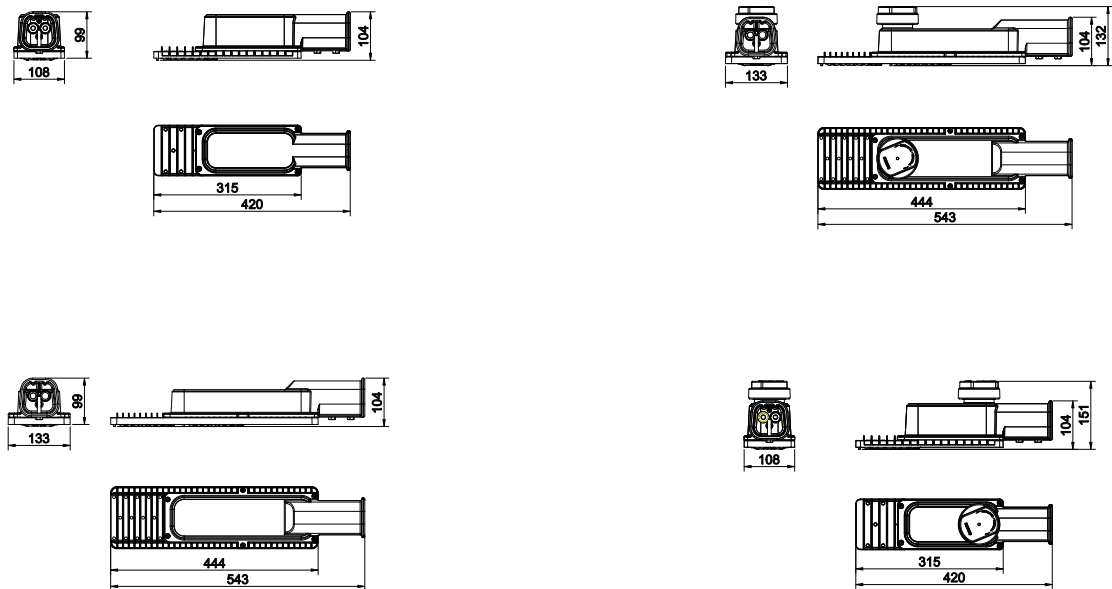
Versions



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			

