



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

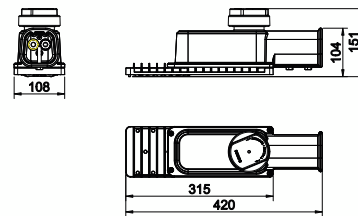
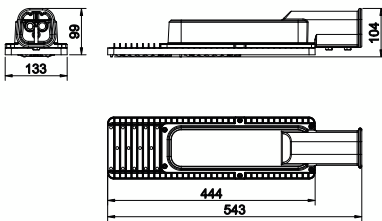
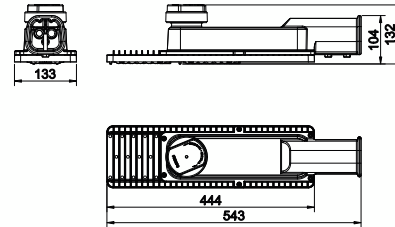
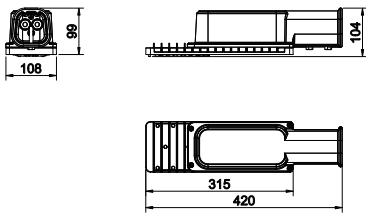
Specifications

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

Luminaire efficacy	4000K: 150lm/W
Color Rendering index - CRI	70
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

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	Yes
911401647609	BRP490 LED75/NW 50W DW2n PSA	Yes
911401647709	BRP490 LED48/NW 30W DW2n PSA	Yes
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5	Yes
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5	Yes
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5	Yes
911401648509	BRP490 LED47/WW 30W DW2n PSA SP1 P5	Yes
911401647809	BRP490L LED181/NW 120W DW2n PSA SP1 P5	Yes
911401648009	BRP490L LED176/WW 120W DW2n PSA SP1 P5	Yes
911401648109	BRP490L LED153/WW 100W DW2n PSA SP1 P5	Yes
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5	Yes
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1	Yes
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1	Yes
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1	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	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

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

Operating and Electrical

RoadFlair ECO

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

Order Code	Full Product Name	Power Consumption
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5	80 W
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1	120 W
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1	100 W
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1	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	Yes
911401647609	BRP490 LED75/NW 50W DW2n PSA	Yes
911401647709	BRP490 LED48/NW 30W DW2n PSA	Yes
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5	Yes
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5	Yes
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5	Yes
911401648509	BRP490 LED47/WW 30W DW2n PSA SP1 P5	Yes
911401647809	BRP490L LED181/NW 120W DW2n PSA SP1 P5	Yes
911401648009	BRP490L LED176/WW 120W DW2n PSA SP1 P5	Yes
911401648109	BRP490L LED153/WW 100W DW2n PSA SP1 P5	Yes

Order Code	Full Product Name	Dimmable
911401648209	BRP490L LED120/WW 80W DW2n PSA SP1 P5	Yes
911401647209	BRP490L LED181/NW 120W DW2n PSA SP1	Yes
911401647309	BRP490L LED157/NW 100W DW2n PSA SP1	Yes
911401647409	BRP490L LED124/NW 80W DW2n PSA SP1	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

