



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
- \cdot Professional optic for road applications
- 1-10V dimming interface for system compatibility

Application

- Pedestrian Road
- \cdot 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	5700K		
temperature - CCT	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	-40 to +50C Ta
range	
Ingress protection	IP66
Certification	IECEE CB, CE, CQC

Versions



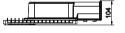


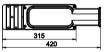
Road Flair Eco

Road Flair Eco

Dimensional drawing



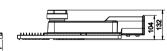


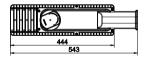




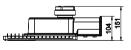












	(\·)
315	
	420

RoadFlair ECO

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 CodeFull Product NameLight source coloTemperature (No)Luminous Fulx911401647509BRP490 LEDD9/NW 70W DW2N PSA740 neutral white4000 K9,900 lm911401647609BRP490 LEDD75/NW 50W DW2N PSA740 neutral white4000 K4,800 lm911401647709BRP490 LEDD9/WW 70W DW2N730 warm white3000 K9,600 lm91140164800BRP490 LEDD9/WW 70W DW2N730 warm white3000 K7,300 lm9140164800BRP490 LED73/WW 50W DW2N PSA730 warm white3000 K7,300 lm91140164800BRP490 LED173/WW 50W DW2N PSA730 warm white3000 K4,700 lm91140164800BRP490 LED181/NW 120W DW2N730 warm white3000 K8,810 lm91140164800BRP490 LED153/WW 100W DW2N730 warm white3000 K1,600 lm91140164800BRP490 LED153/WW 100W DW2N730 warm white3000 K1,600 lm91140164800BRP490 LED153/WW 100W DW2N730 warm white300 K1,500 lm91140164800BRP490 LED153/WW 100W DW2N730 warm white300 K1,500 lm91140164800BRP490 LED153/WW 100W DW2N730 warm white300 K1,200 lm91140164800BRP490 LED153/WW 100W DW2N740 neutral white300 K1,200 lm91140164800BRP490 LED153/WW 100W DW2N740 neutral white400 K1,200 lm91140164720BRP490 LED153/WW 100W DW2N740 neutral white400 K1,500 lm91140164700BRP490 LED157/NW 100W DW2N740 neutral white400 K1,500				Correlated Color	
SP1 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 911401648709 BRP490 LED96/WW 70W DW2n 730 warm white 3000 K 9,600 lm 911401648109 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 91140164809 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 4,700 lm 91140164809 BRP490 LED173/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 91140164809 BRP490 LED17/WW 30W DW2n PSA 730 warm white 3000 K 18,100 lm 91140164809 BRP490 LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 91140164809 BRP490 LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648109 BRP490 LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490 LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490 LE	Order Code	Full Product Name	Light source color	Temperature (Nom)	Luminous Flux
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 911401648309 BRP490 LED96/WW 70W DW2n 730 warm white 3000 K 9,600 lm 911401648409 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 911401648509 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401648509 BRP490 LED17/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401648509 BRP490 LED17/WW 30W DW2n 740 neutral white 4000 K 18,100 lm 911401648209 BRP490 LED15/WW 120W DW2n 730 warm white 3000 K 15,300 lm 911401648109 BRP490 LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490 LLED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490 LLED181/NW 120W DW2n 730	911401647509	BRP490 LED99/NW 70W DW2n PSA	740 neutral white	4000 K	9,900 lm
911401647709 BRP490 LED48/NW 30W DW2n PSA 740 neutral white 4000 K 4,800 lm 911401648309 BRP490 LED96/WW 70W DW2n 730 warm white 3000 K 9,600 lm 911401648409 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401648509 BRP490 LED173/WW 10W DW2n PSA 730 warm white 3000 K 4,700 lm 911401648509 BRP490 LED173/WW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401648609 BRP490 L LED176/WW 120W DW2n 740 neutral white 3000 K 17,600 lm 911401648009 BRP490 L LED176/WW 120W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490 L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490 L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490 L LED157/NW 100W DW2n 740 neutral white 4000 K 12,000 lm 911401647209 BRP490 L LED157/NW 100W DW2n		SP1			
911401648309 BRP490 LED96/WW 70W DW2n 730 warm white 3000 K 9,600 lm 911401648409 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 911401648009 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401648509 BRP490 LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 15,300 lm 911401648009 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 12,000 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 730 warm white 3000 K 12,000 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 7	911401647609	BRP490 LED75/NW 50W DW2n PSA	740 neutral white	4000 K	7,500 lm
PSA SPI P5 SOO K 7,300 lm 911401648409 BRP490 LED73/WW 50W DW2n PSA 730 warm white SP1 P5 3000 K 4,700 lm 911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white SP1 P5 3000 K 4,700 lm 911401647809 BRP490 LED181/NW 120W DW2n 740 neutral white PSA SP1 P5 4000 K 18,100 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white PSA SP1 P5 3000 K 17,600 lm 911401648009 BRP490L LED153/WW 100W DW2n 730 warm white PSA SP1 P5 3000 K 15,300 lm 911401648209 BRP490L LED153/WW 100W DW2n 730 warm white PSA SP1 P5 3000 K 12,000 lm 911401648209 BRP490L LED181/NW 120W DW2n 730 warm white PSA SP1 P5 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white PSA SP1 4000 K 18,100 lm 911401647209 BRP490L LED157/NW 100W DW2n 740 neutral white PSA SP1 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white PSA SP1 4000 K 12,400 lm	911401647709	BRP490 LED48/NW 30W DW2n PSA	740 neutral white	4000 K	4,800 lm
911401648409 BRP490 LED73/WW 50W DW2n PSA 730 warm white 3000 K 7,300 lm 911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401648509 BRP490 LED17/WW 30W DW2n PSA 740 neutral white 4000 K 18,100 lm 911401647809 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm 9114016474709 BRP490L LED157/NW 80W DW2n <td>911401648309</td> <td>BRP490 LED96/WW 70W DW2n</td> <td>730 warm white</td> <td>3000 K</td> <td>9,600 lm</td>	911401648309	BRP490 LED96/WW 70W DW2n	730 warm white	3000 K	9,600 lm
SP1 P5 911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401647809 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647809 BRP490L LED181/NW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 15,300 lm 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm		PSA SP1 P5			
911401648509 BRP490 LED47/WW 30W DW2n PSA 730 warm white 3000 K 4,700 lm 911401647809 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647809 BRP490L LED181/NW 120W DW2n 730 warm white 3000 K 18,100 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647209 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401648409	BRP490 LED73/WW 50W DW2n PSA	730 warm white	3000 K	7,300 lm
SP1 P5 911401647809 BRP490L LED181/NW 120W DW2n PSA SP1 P5 740 neutral white PSA SP1 P5 4000 K 18,100 lm 911401648009 BRP490L LED176/WW 120W DW2n PSA SP1 P5 730 warm white PSA SP1 P5 3000 K 17,600 lm 911401648109 BRP490L LED153/WW 100W DW2n PSA SP1 P5 730 warm white PSA SP1 P5 3000 K 15,300 lm 911401648209 BRP490L LED153/WW 100W DW2n PSA SP1 P5 730 warm white PSA SP1 P5 3000 K 12,000 lm 911401647209 BRP490L LED120/WW 80W DW2n PSA SP1 P5 740 neutral white PSA SP1 4000 K 18,100 lm 911401647209 BRP490L LED157/NW 100W DW2n PSA SP1 740 neutral white PSA SP1 4000 K 12,000 lm 911401647309 BRP490L LED157/NW 100W DW2n PSA SP1 740 neutral white PSA SP1 4000 K 12,000 lm 911401647309 BRP490L LED157/NW 100W DW2n PSA SP1 740 neutral white PSA SP1 4000 K 12,400 lm		SP1 P5			
911401647809 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 15,300 lm 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401648509	BRP490 LED47/WW 30W DW2n PSA	730 warm white	3000 K	4,700 lm
PSA SPI P5 911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm		SP1 P5			
911401648009 BRP490L LED176/WW 120W DW2n 730 warm white 3000 K 17,600 lm 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401647809	BRP490L LED181/NW 120W DW2n	740 neutral white	4000 K	18,100 lm
PSA SPI P5 911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED120/WW 80W DW2n 740 neutral white 4000 K 18,100 lm 911401647209 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm		PSA SP1 P5			
911401648109 BRP490L LED153/WW 100W DW2n 730 warm white 3000 K 15,300 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401648009	BRP490L LED176/WW 120W DW2n	730 warm white	3000 K	17,600 lm
PSA SPI P5 911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm		PSA SP1 P5			
911401648209 BRP490L LED120/WW 80W DW2n 730 warm white 3000 K 12,000 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647209 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401648109	BRP490L LED153/WW 100W DW2n	730 warm white	3000 K	15,300 lm
PSA SP1 P5 740 neutral white 4000 K 18,100 lm 911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm		PSA SP1 P5			
911401647209 BRP490L LED181/NW 120W DW2n 740 neutral white 4000 K 18,100 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401648209	BRP490L LED120/WW 80W DW2n	730 warm white	3000 K	12,000 lm
PSA SP1 740 neutral white 4000 K 15,700 lm 911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 12,400 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm		PSA SP1 P5			
911401647309 BRP490L LED157/NW 100W DW2n 740 neutral white 4000 K 15,700 lm 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401647209	BRP490L LED181/NW 120W DW2n	740 neutral white	4000 K	18,100 lm
PSA SP1 911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm		PSA SP1			
911401647409 BRP490L LED124/NW 80W DW2n 740 neutral white 4000 K 12,400 lm	911401647309	BRP490L LED157/NW 100W DW2n	740 neutral white	4000 K	15,700 lm
		PSA SP1			
PSA SP1	911401647409	BRP490L LED124/NW 80W DW2n	740 neutral white	4000 K	12,400 lm
		PSA SP1			

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	911401648009	BRP490L LED176/WW 120W DW2n PSA SP1 P5	120 W
911401647609	BRP490 LED75/NW 50W DW2n PSA	50 W	911401648109	BRP490L LED153/WW 100W DW2n PSA SP1 P5	100 W
911401647709	BRP490 LED48/NW 30W DW2n PSA	30 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	911401647409	BRP490L LED124/NW 80W DW2n PSA SP1	80 W
911401647809	BRP490L LED181/NW 120W DW2n PSA SP1 P5	120 W			



© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.

www.lighting.philips.com 2024, July 31 - data subject to change