



# 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

- $\cdot$  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			
	2700К			
	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

# Dimensional drawing









Пиник
444
543









# **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

			Correlated Color	
Order Code	Full Product Name	Light source color	Temperature (Nom)	Luminous Flux
911401647509	BRP490 LED99/NW 70W DW2n PSA	740 neutral white	4000 K	9,900 lm
	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
911401647909	BRP490 LED99/NW 70W DW2n PSA	740 neutral white	4000 K	9,900 lm
	SP1 P5			
911401648309	BRP490 LED96/WW 70W DW2n	730 warm white	3000 K	9,600 lm
	PSA SP1 P5			
911401648409	BRP490 LED73/WW 50W DW2n PSA	730 warm white	3000 K	7,300 lm
	SP1 P5			
911401647809	BRP490L LED181/NW 120W DW2n	740 neutral white	4000 K	18,100 lm
	PSA SP1 P5			
911401648009	BRP490L LED176/WW 120W DW2n	730 warm white	3000 K	17,600 lm
	PSA SP1 P5			
911401648109	BRP490L LED153/WW 100W DW2n	730 warm white	3000 K	15,300 lm
	PSA SP1 P5			
911401648209	BRP490L LED120/WW 80W DW2n	730 warm white	3000 K	12,000 lm
	PSA SP1 P5			
911401647209	BRP490L LED181/NW 120W DW2n	740 neutral white	4000 K	18,100 lm
	PSA SP1			
911401647309	BRP490L LED157/NW 100W DW2n	740 neutral white	4000 K	15,700 lm
	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
911401647909	BRP490 LED99/NW 70W DW2n PSA SP1 P5	70 W	911401647209	BRP490L LED181/NW 120W DW2n PSA SP1	120 W
911401648309	BRP490 LED96/WW 70W DW2n PSA SP1 P5	70 W	911401647309	BRP490L LED157/NW 100W DW2n PSA SP1	100 W
911401648409	BRP490 LED73/WW 50W DW2n PSA SP1 P5	50 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, August 15 - data subject to change