

PHILIPS

Lighting



Streamlined lights for brighter streets

RoadFlair Pro

Municipalities value energy saving more than ever, as energy price hikes put increasing pressure on the budgets. Street lighting consumes substantial energy, so large-scale upgrades to energy-efficient LED streetlights are fundamental to cities' cost-saving efforts. RoadFlair Pro has been upgraded to minimize costs while maximizing efficacy, safety, and functionality. And the best part - RoadFlair Pro offers a streamlined design, so it maintains an attractive aesthetic on city streets. These streetlights not only look good, they also offer excellent performance Future-proof technology combines with high efficacy (160 lm/W and 200 lm/W), innovative design, and smart connectivity in a light that makes your street look brighter and better

Benefits

- High efficacy
- Appealing and sustainable design
- Connected and system-ready
- Higher durability and reliability
- World-class photometric design
- Equipped with a Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation, and spare part information

Features

- 170+ lm/W system efficacy (up to 300W)
- 200 lm/W system efficacy (up to 100W)
- Long service lifetime 100Khrs L80@Ta 35°C
- With 10kV or 15kV Surge protection Device
- Ready to be paired with lighting management systems and sensors

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Application

- Motorways, inter-urban main roads, boulevards and avenues, roundabouts, pedestrian crossings
- Residential streets, side streets, squares, parks, cycle and pedestrian paths, playgrounds
- Parking areas, industrial areas, petrol stations, rail yards, airports, harbors, waterways

Specifications

Material	Housing: Die-cast Aluminum Optic cover: Polycarbonate	Color Rendering index - 70
Light Source	5050 LED's	CRI
Installation	Side entry 42~60mm optional adjustable spigot	Power up to 300W
Luminous flux	system flux up to 52500 lumens	Mains Voltage 220-240V / 50-60Hz 120-277 /60-60Hz available as option.
Correlated color temperature - CCT	5700K 4000K 3000K 2700K 2200K	Control system input DALI/1-10V/D4i options
Luminaire efficacy	5700K: 160lm/W 4000K: 170lm/W 3000K: 165lm/W 2700K: 150lm/W 2200K: 135lm/W 4000K: 200lm/W (option)	Dimming PSR: 1-10V PSD: Dali PSC: Coded Mains PSA: 1-10V, AOC PSRD: 1-10V, Step dimming, AOC SR: D4i
		Operating Temperature range -40 to +50C Ta
		Ingress protection IP66
		Certification IECEE CB, CE, CQC, RCM, ZD4i

Versions



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Dimensional drawing



General Information	
Driver included	Yes
Service tag	Yes
Light Technical	
Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>70
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Optical cover type	Clear dome
Housing Color	Grey
Mech. impact protection code	IK08
Ingress protection code	IP66
Approval and Application	
CE mark	Yes

Light Technical

Order Code	Full Product Name	Luminous Flux
911401652208	BRP591 LED116/NW 70W DM PSA GM	11,600 lm
911401652608	BRP591 LED130/NW 80W DM PSA GM	13,000 lm
911401654008	BRP591 LED143/NW 90W DM PSR GM	14,300 lm
911401664008	BRP595 LED489/NW 300W DM PSR GM	48,900 lm
911401659608	BRP594 LED301/NW 180W DM PSA GM	30,100 lm
911401660008	BRP594 LED329/NW 200W DM PSA GM	32,900 lm
911401660408	BRP594 LED356/NW 220W DM PSA GM	35,600 lm
911401654608	BRP592 LED167/NW 100W DM PSA GM	16,700 lm
911401655308	BRP592 LED195/NW 120W DM PSA GM	19,500 lm
911401656608	BRP593 LED229/NW 140W DM PSA GM	22,900 lm
911401658908	BRP593 LED245/NW 150W DM PSR GM	24,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401652208	BRP591 LED116/NW 70W DM PSA GM	70 W
911401652608	BRP591 LED130/NW 80W DM PSA GM	80 W
911401654008	BRP591 LED143/NW 90W DM PSR GM	90 W
911401664008	BRP595 LED489/NW 300W DM PSR GM	300 W
911401659608	BRP594 LED301/NW 180W DM PSA GM	180 W
911401660008	BRP594 LED329/NW 200W DM PSA GM	200 W

Order Code	Full Product Name	Power Consumption
911401660408	BRP594 LED356/NW 220W DM PSA GM	220 W
911401654608	BRP592 LED167/NW 100W DM PSA GM	100 W
911401655308	BRP592 LED195/NW 120W DM PSA GM	120 W
911401656608	BRP593 LED229/NW 140W DM PSA GM	140 W
911401658908	BRP593 LED245/NW 150W DM PSR GM	150 W

