

PHILIPS



Roads and streets

Innovative outdoor LED lighting is an efficient solution that reduces costs and increases safety for citizens. By combining energy-efficient LED street lighting with cellular communications and cloud-based lighting management, we can create connected networks that transform the way streetlights are monitored, managed, and maintained.





Road and street



GreenVision Xceed

Simple, economical and reliable

AmpLight system compatible

Lighting up streets and roads enhance the comfort, security and overall safety of our rapidly growing urban environments. Our GreenVision Xceed makes an affordable LED road lighting solution that ensures sufficient light on your roads.

It is designed to achieve better light uniformity and maximum spacing between poles for both pedestrian and vehicle road applications. With its die-cast aluminium housing and Philips LED platform, it is easy to maintain, has a long lifetime and a consistency you can count on. It also offers 3 housing sizes and a range of beam optics to fully cater to different road configurations and conditions.

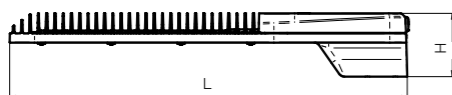
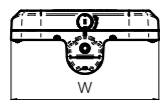
GreenVision Xceed offers 60% of energy savings compared to conventional lamp systems, making it the perfect sustainable lighting solution for any emerging metropolis.

Features and Benefits

- Up to 60% energy savings. Uses significantly less energy than conventional street lighting solutions
- Ease of maintenance. Tool-less opening of gear compartment & gear tray replacement
- Long fixture lifetime. Solid die-cast housing design with ingress (IP) and Surge protection
- Long system lifetime. Excellent thermal management that reduces early failures
- World class, approbated quality components (LEDs / Driver / etc.)
- Superior W/m² performance delivered through different optics for greater flexibility to fit different road applications
- Control options for standalone or Tele-managed controls
- High quality cool and neutral white light with high color consistency

Product size

All dimensions in millimeters



No.	Type	LWH = A x B x C (mm)
1	Small version	422 x 318 x 136
2	Middle version	522 x 318 x 136
3	Large version	853 x 318 x 136



IP66

50Khrs

135
lm/W

Technical parameters

Type	GreenVision Xceed BRP371/372/373
Optics	DM, DW1, DW2, DW2m, DWS, DW2s
Efficacy	Up to 135 lm/W
LED driver	Constant current or programmable driver options
System lumen output	Up to 38,400 lumen
CRI	Minimum 70%
Color Temperature (CCT)	CW-5700K / NW-4000K / WW-3000K ± 500K
Power requirement	120-277V / 50-60Hz Or 220-240 V / 50-60 Hz
Power factor	> 0.95 (nominal power)
Lumen Maintenance (*)	> 50,000 hours L70 @ 35°C
Drive current	100mA - 700mA
Installation	Φ48-60mm pole, side entry
Windage area	BRP371:0.134m ² ; BRP372:0.166m ² ; BRP373:0.271m ²
Operating temperature range	- 40°C < Ta < 55°C
Wind force	Up to 60m/s
Relative humidity	Up to 95%RH
Housing material	High pressure die-cast aluminum
Gasket material	Heat resistant silicone rubber
Glass	Tempered glass
Finishing	Gray Paint RAL7040
Dimensions (LxWxH)	BRP371 : 422 x 318 x 136mm BRP372 : 522 x 318 x 136mm BRP373 : 853 x 318 x 136mm
Weight	BRP371 : 6.5kg; BRP372 : 8kg; BRP373 : 14kg
Certifications	CB IEC 60598, CQC, AS/NZS 1158
Classifications	IP66; IK08; Class I; RoHS
Surge protection	15KV
Control options	Standalone dimming program, StarSense and AmpLight compatible NEMA and D2 Type PE Cell
Maintenance	Tool-less opening of gear compartment Tool-less gear tray replacement

Ordering information	BRP371 LED42/NW 37W 220-240V DM MP1 BRP371 LED63/NW 55W 220-240V DM MP1 BRP371 LED86/NW 75W 220-240V DM MP1 BRP371 LED103/NW 90W 220-240V DM MP1 BRP371 LED126/NW 110W 220-240V DM MP1 BRP372 LED150/NW 125W 220-240V DM MP1 BRP372 LED174/NW 145W 220-240V DM MP1 BRP372 LED180/NW 150W 220-240V DM MP1 BRP372 LED192/NW 160W 220-240V DM MP1 BRP373 LED212/NW 185W 220-240V DM MP1 BRP373 LED230/NW 200W 220-240V DM MP1 BRP373 LED253/NW 220W 220-240V DM MP1 BRP373 LED276/NW 240W 220-240V DM MP1 BRP373 LED293/NW 255W 220-240V DM MP1 BRP373 LED324/NW 270W 220-240V DM MP1 BRP373 LED348/NW 290W 220-240V DM MP1 BRP373 LED366/NW 305W 220-240V DM MP1 BRP373 LED384/NW 320W 220-240V DM MP1 More options available solar powered options available
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Road and street



RoadFlair

Sleek and superior beyond anticipation

AmpLight system compatible

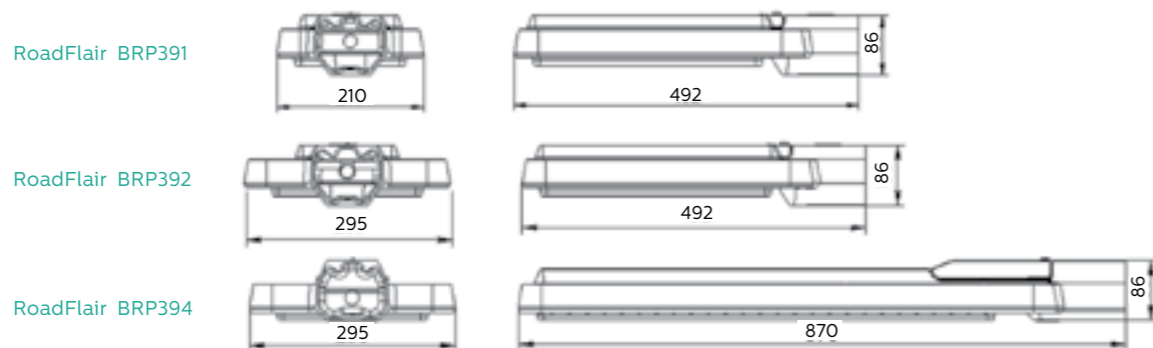
Designed for major and city roads, Philips RoadFlair is a new and exciting product set to brighten your streets beyond imagination. Smartly-designed to bring cities the highest savings possible with best-in-class lumen per watt, this road lighting production comes at a competitive price bound to excite. Philips RoadFlair brings energy efficiency, improves a city's sustainability drive and delivers significant cost reduction in urban environments. The right road luminaire coupled with the right lighting application will create the best environment for your municipality, benefiting local communities and boosting tourism and businesses.

Features and Benefits

- High lumen efficacy**
 120 to 140 lumen per watt – much higher than currently available solutions
- Unique functional design**
 Sleek, light-weight and well-designed luminaire
- Control and dimming ready**
 Supports CityTouch connect application, 7-Pin Nema socket and standard outdoor dimming protocols
- Value for money / most competitive product in its segment**
 Perfect for renovation, upgrading projects. Best-in-class LED lighting technology at an unmatched, competitive price

Product size

All dimensions in millimeters



IP66 50K hrs 135 lm/W

Technical parameters	
Type	BRP391/392/394
Lumen Maintenance (*)	50,000 hours L70 @ 35°C
TM21 Projection	100,000 Hours L80 @ 35°C
Optics	DM, DW1, DW2
Efficacy	Up to 135 lm/W
Degree of Protection	IP66, IK08
SDCM	5
LED driver	Constant current or programmable driver options
System lumen output (lm)	Up to 38,400 lumen
CRI	Minimum 70%
Color Temperature (CCT)	CW-5700K / NW-4000K /WW-3000K ± 500K
Power requirement	120-277V / 50-60Hz Or 220-240 V / 50-60 Hz
Power factor	> 0.95 (nominal power)
Drive current	100mA - 700mA
Installation	Φ 42-60mm pole, side entry
Windage area	BRP391 : 0.1m ² ; BRP392 : 0.14m ² ; BRP394 : 0.25m ² < 12 m
Working temperature	- 40°C < Ta < 50°C
Wind force	Up to 60m/s
Relative humidity	Up to 95%RH
Housing Material	High pressure die-cast aluminum heat
Gasket material	Resistant silicone rubber
Cover	Transparent and weather resistant grade polycarbonate
Finishing	Gray Paint RAL7040
Dimensions (LxWxH)	BRP391 : 492 X 210 X 86 BRP392 : 492 X 295 X 86 BRP394 : 870 X 295 X 86
Weight	BRP391 : 5kg BRP392 : 7kg BRP394 : 10kg
Certifications	CB IEC 60598, CQC, AS/NZS 1158, PSE
Classifications	Class I & II: CE, RoHS
Surge protection	15KV/KA
Control Options	Standalone dimming program, DALI, AmpLight compatible 7 pin NEMA and D2 Type PE Cell
Maintenance	Tool-less opening of gear compartment for BRP391 and BRP392 Tool-less opening of SPD compartment for BRP394
Ordering Information	BRP391 LED48/NW 40W 220-240V DM BRP391 LED60/NW 50W 220-240V DM BRP391 LED72/NW 60W 220-240V DM BRP391 LED84/NW 70W 220-240V DM BRP391 LED96/NW 80W 220-240V DM BRP392 LED108/NW 90W 220-240V DM BRP392 LED120/NW 100W 220-240V DM BRP392 LED132/NW 110W 220-240V DM BRP392 LED144/NW 120W 220-240V DM BRP392 LED156/NW 130W 220-240V DM BRP392 LED168/NW 140W 220-240V DM BRP392 LED180/NW 150W 220-240V DM BRP394 LED192/NW 160W 220-240V DM BRP394 LED204/NW 170W 220-240V DM BRP394 LED216/NW 180W 220-240V DM BRP394 LED228/NW 190W 220-240V DM BRP394 LED240/NW 200W 220-240V DM BRP394 LED252/NW 210W 220-240V DM BRP394 LED264/NW 220W 220-240V DM BRP394 LED276/NW 230W 220-240V DM BRP394 LED288/NW 240W 220-240V DM BRP394 LED300/NW 250W 220-240V DM BRP394 LED312/NW 260W 220-240V DM BRP394 LED324/NW 270W 220-240V DM BRP394 LED336/NW 280W 220-240V DM BRP394 LED348/NW 290W 220-240V DM BRP394 LED360/NW 300W 220-240V DM BRP394 LED372/NW 310W 220-240V DM BRP394 LED384/NW 320W 220-240V DM More options available solar powered options available



Luma

Lighting on the move

AmpLight system compatible

Cities change from hour to hour and day to day. Streets, roads and public spaces bustle with life 24/7. Street lighting presents special challenges when taking into account the often rapid changes in traffic density and traffic levels. The right lighting infrastructure makes it easier for you to keep up with city life's ever-changing dynamics, and gives you the opportunity to create an attractive urban environment where people feel safe and welcome. The Luma range provides all of this, and a little more. It allows you to keep up with your city's heartbeat.

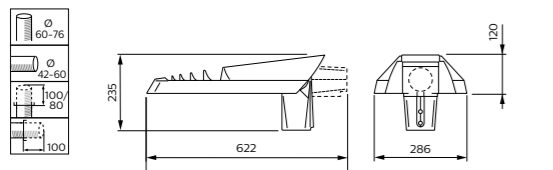
The Luma range by Philips checks all these boxes: compromise-free LED lighting that offers high performance illumination for real-world lighting needs. This affordable alternative to existing conventional lighting solutions generates big energy savings and minimizes maintenance costs. It covers the complete field of illuminance (S) and luminance (ME) lighting classifications, up to ME1.

Features and Benefits

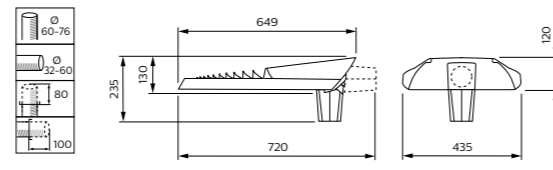
- The Luma Micro/Mini has a very elegant and compact appearance. This design character, combined with a range of optics, makes it very suitable for relatively lower installation heights on streets in residential areas and city centers
- Luma 1 combines the evident modern design of the Luma range with a relatively compact size for residential areas, industrial and transportation areas
- Luma 2 is clearly the modern LED alternative for all major urban traffic routes and larger industrial and transportation areas
- Luma 3 is dedicated to major traffic routes outside the urban community, like highways and provincial roads

Product size

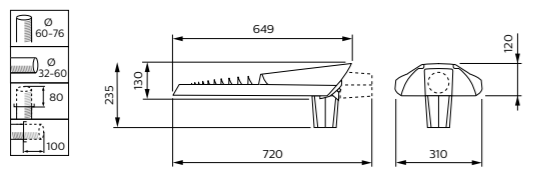
All dimensions in millimeters



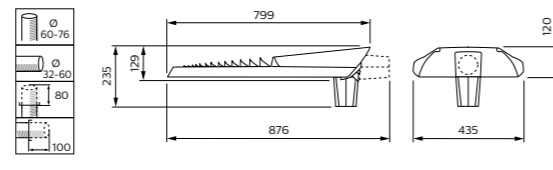
Luma Micro BGP615



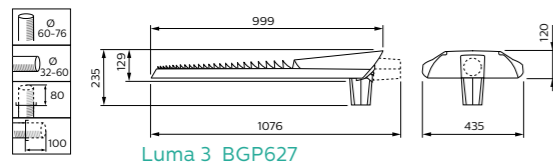
Luma 1 BGP623



Luma Mini BGP621



Luma 2 BGP625



Luma 3 BGP627



Technical parameters	
Type	Luma Micro (BGP615) Luma Mini (BGP621) Luma 1 (BGP623) Luma 2 (BGP625) Luma 3 (BGP627)
Color Temperature (CCT)	3000 K (warm white), 4000 K (neutral white), 5700 K (cool white)
CRI	70% (cool white and neutral white), 80% (warm white)
Luminous flux	850 to 48,000 lm depending on LED configuration and color temperature
Power	10 to 350W depending on LED configuration and color temperature
Luminaire efficacy	Up to 130 lm/W
Lumen Maintenance (*)	Up to 100,000 hours
CLO	CLO is available
Optic	OFR1, OFR2, OFR3, OFR4, OFR5, OFR6, OFR7, OFR8, OFR9, OFR10 DM10, DM11, DN10, DN11
Optical cover	Flat Glass (FG)
Installation	Post-top Ø 60 mm (dedicated spigot for post-top Ø 76 mm only) Luma Micro/Mini, Luma 1: side-entry Ø 32-60 mm Luma 2, Luma 3: side-entry Ø 42-60 mm Standard tilt adjustments post-top 0, 5, 10° and side-entry -10, -5, 0° Special spigot for post-top 10, 15, 20° and side-entry -20, -15, -10, -5, 0°
Controls system input	1-10 V and DALI
Inrush current driver	40 W: 65 A/100µs; 75 W: 80 A/150µs; 100 W: 80 A/150µs; 150 W: 108 A/140µs
Intelligence control	LumiStep (LS), DynaDimmer (DDF), SDU (D4), DALI (D9), StarSense RF Wireless
Mains voltage	220-240V / 50-60Hz
Electrical class	Class I - II
Material	Housing: die-cast aluminum, non corrosive Cover: toughened glass Gear tray: aluminum Spigot: die-cast aluminum
Color	Futura Gris 900 Sablé or Futura Gris 150 Sablé Other RAL or Akzo Nobel Futura colors or duo-colors available on request
IP-rating	IP66
IK-rating	IK09
Weight	Luma Micro, 7.6 kg, Luma Mini, 9.5 kg, Luma 1, 11 kg, Luma 2, 15.5 kg, Luma 3, 19.5 to 20.5 kg depending on drivers
ScX	Luma Micro: 0.049 m2, Luma Mini: 0.055 m2, Luma 1: 0.057 m2, Luma 2: 0.067 m2, Luma 3: 0.079 m2
Electrical connection	M20 cable gland with strain relief, for cable Ø 10-14 mm
Operating temperature range	- 20°C < Ta < 50°C
Surge protection	4 kV, 10 kV (optional)
Maintenance	From below by opening the housing with a single quick-release clip
Options	Wired for cell (WFC), mini Photocell or NEMA socket - including cable



Road and street



DigiStreet

Road and street lighting is becoming digital

AmpLight system compatible

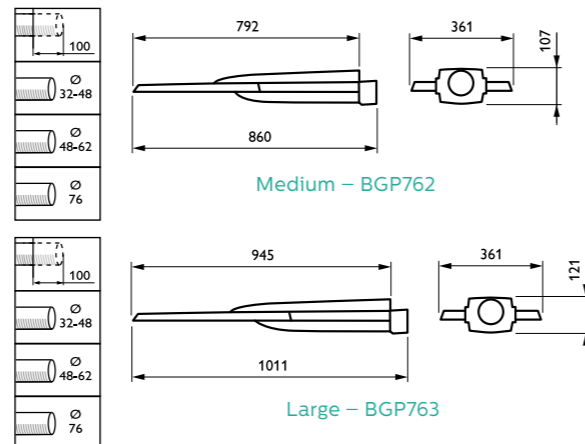
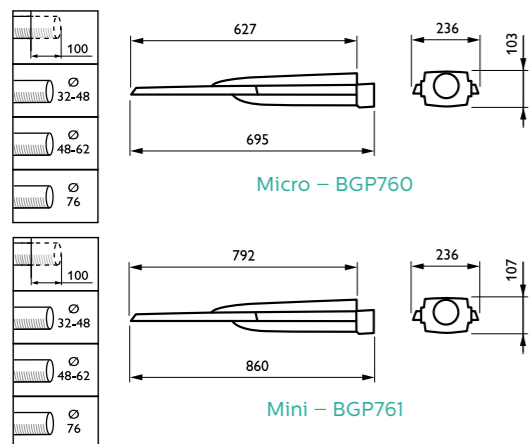
DigiStreet is the first road and street luminaire family that enables you to save on energy and resources, optimize maintenance efficiency, while getting you ready for the digital age. Designed exclusively for roads and streets, this luminaire family is the ideal choice for cities to switch to long-lasting, efficient LED lighting. Available in a range of forms and optics, DigiStreet luminaires can be used in many different applications, making them the ideal choice for public lighting.

Features and Benefits

- Optimized solution for road and street applications, saving up to 80% energy compared with conventional luminaires
- On-the-spot luminaire identification to make maintenance easier and quicker
- Full application coverage thanks to optimized optical distributions and the LEDGINE-O platform
- Easy luminaire identification due to the Philips Service tag
- Surge protection, 10 kV
- Choice of 21 optics
- Lifetime 100,000 hours @ L90B10 or higher
- Internal louver (optional)

Product size

All dimensions in millimeters



IP66 100K hrs 130 lm/W



Technical parameters

Types	Micro – BGP760 Mini – BGP761 Medium – BGP762 Large – BGP763			
Maximum lumens output	Micro 1000–5400 lumen	Mini 4500–10,900 lumen	Medium 9500–22,000 lumen	Large 24,000–30,000 lumen
Wattage (NW)	10 LED: 8 to 21W 20 LED: 19 to 41W	30 LED: 31 to 60W 40 LED: 60 to 76W	60 LED: 65 to 117W 80 LED: 115 to 152W	100 LED: 160 to 193W / 120 LED: 206 to 228W
Efficacy (system)	127 Lm/W	130 Lm/W	130 Lm/W	129 Lm/W
LEDs	10 / 20 LEDs	30 / 40 LEDs	60 / 80 LEDs	100 / 120 LEDs
Color Temperature (CCT)	NW / WW / CW			
CRI	Warm white: ≥ 80% Neutral white & Cool white: ≥ 70%			
Lumen Maintenance (*) (system = light modules & drivers)	Max: 100khrs @ L96B10 Min: 100khrs @ L92B10	Max: 100khrs @ L96B10 Min: 100khrs @ L89B10	Max: 100khrs @ L95B10 Min: 100khrs @ L93B10	Max: 100khrs @ L95B10 Min: 100khrs @ L89B10
Light distributions / optics / Louvres	LEDGINE OPTIMIZED DM10 / DM11 / DM12 / DM30 / DM31 / DM32 / DM33 / DM50 / DM70 / DM10 / DN10 / DN11 / DW10 / DW12 / DW50 / DX10 / DX50 / DX51 / DX70 / DS50 / DPR1 / DPR2 BL1 / BL2			
Mains input voltage	220–240V / 50–60Hz			
Inrush current	40W DEC FP driver: 22A / 290us (Max 20 driver on MCB 16A B Type) / 75W DEC FP driver: 46A / 250us (Max 11 driver on MCB 16A B Type) / 150W DEC FP driver: 53A / 300us (Max 8 driver on MCB 16A B Type)			
Operating temperature range	–40° to 50°C			
Electrical insulation class	Class I & II			
Degree of protection	IP66, IK09, Surge 6kV / Max 10kV (optional)			
Luminaire weight	6 Kg / 13.22 lb	7.7 Kg / 17 lb	8.9 Kg / 19.6 lb	13 Kg / 28.6 lb
Material / Finishing	LM6 Aluminium MSP painting (optional)			
Luminaire mounting / Installation	Choice of 3 spigots: 32–48 mm / 48–62 mm / 76 mm Side entry: 32–48 mm / 48–62 mm Post top: 48–62 mm / 76 mm Tilt: –20° to 20° with steps of 5°			
Electrical connection / Cabling	3183Y cable (3x0.75 / 3x1.5 / 3x2.5), H07RN cable (2x1.5 / 3x1.5 / 4x1.5 / 5x1.5) Length of cables: 4m, 5m, 6m, 8m, 10m, 12m, 15m, 18m			
Controls	D9 (DALI), D11/D12 (LineSwitch), D13 (AmpDimming), D18 (DynaDimmer L-tune), D24 (DynaDimmer with DALI unprogrammed), CLO, DDF1/2/3/27			
Photocell / Connectors	P1 (Nema Socket) / P1-7 (7 pins Nema) / SR Connector (from late 2017)			
Maintenance	Philips Service Tag / Toolless maintenance of driver / Clip to open gear compartment			
Certification / Listing	CE / ENEC+ / CB / ROHS / LM79 / LM80-TM21			



Road and street



LumiStreet

Elementary road range

AmpLight system compatible

Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available. We have the answer to their needs.

With its compact design and modern LED architecture, LumiStreet is a versatile, cost-effective luminaire that fulfils basic functional road lighting requirements.

It is made of high-quality components that ensure long lifetime and low maintenance cost. The result is a road lighting luminaire that provides effective illumination while at the same time cutting energy and maintenance bills.

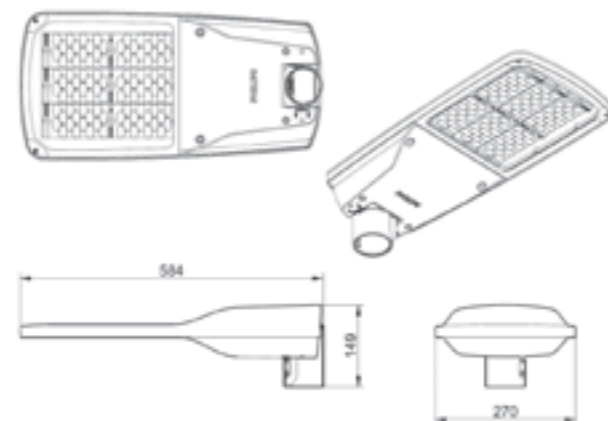
Features and Benefits

- Cost effective luminaire, suitable for customer with limited budget
- Suitable for customer which are looking for luminaire with limited maintenance
- Point-to-point replacement of 24/36W SOX or PL-L lamps.
- Dimmable (Lumistep or DynaDimer) for even more energy savings
- Durable and recyclable materials
- Application flexibility thanks to range lumen output
- Very low weight makes easy to install
- Luminaire assimilating with the urban environment. The basic & compact design is alternative to conventional street lights. Available in two sizes.

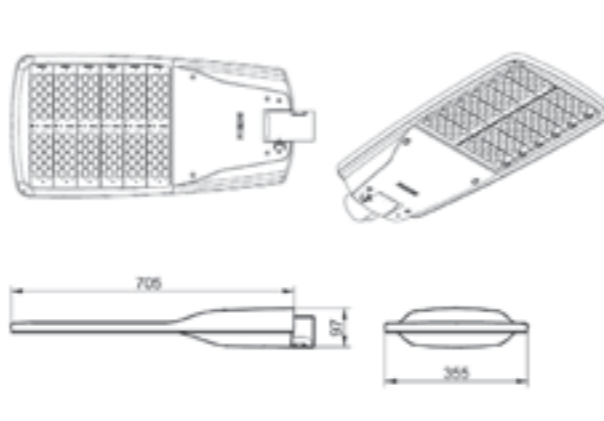
Product size

All dimensions in millimeters

Small Version



Large Version



IP66

100Khrs

106
lm/W

Technical parameters

Type	BGP213; BGS214
System lumens output (±10%)	From 1,376 lm to 10,200 lm
System Power	From 11 to 122W
Efficacy	Up to 106 lm/W
Color Temperature (CCT)	Neutral White (NW) 4000 K Warm White (WW) 3000 K (optional)
CRI	>70%
Lumen Maintenance (*)	100,000 hrs L80B10
Light distributions / optics	Distribution Medium (DM, DM10, DM11, DM12, DM50) Distribution Wide (DW, DW10, DX) Distribution Narrow (DN10)
Operating temperature range	-30 to 50°C
Electrical insulation class	Class I or Class II
IK	IK08
IP	IP66
System surge protection (Class I only)	Standard: 4 KV Optional: 10kV
Luminaire weight	Small: 5.8 kg, Large: 8.5 kg
Material / Finishing	Housing : Die-cast aluminum, finishing in Grey (RAL7035) powder painting Electric cover: Die-cast aluminum (RAL7035) Electrical connection: screw connector Optic lens: plastic Optic cover: Tempered flat glass
Luminaire mounting / installation	On pole or mast Post top or Side entry: '10° / -90° with 5° intervals Fixation with spigot screw (included)
Options	Lumistep (50%) 6 and 8 hrs (LS-6), (LS-8) DynaDimmer (DDF1, DDF2, DDF3) Constant Light Output (CLO) Marine salt protected coating (MSP) Dimming via external communication works with Dali (D9) Dimming via external communication works with 1-10V (D7) Nemasocket (P1); Photocell (P3-35) Delivered with 4, 6, 8, 10 m cable
Spigot	Spigot adjustable 32-48mm (32-48A) Spigot adjustable 48-60mm (48-60A) Spigot adjustable 76mm (76A)
Certification / Listing	CE, ENEC



Road and street



Selenium

Simply efficient

AmpLight system compatible

Selenium LED is a cost-effective road-lighting luminaire that delivers maximum energy savings compared with conventional solutions. Its simple rounded form reduces its daytime visual impact, allowing it to integrate into any kind of environment.

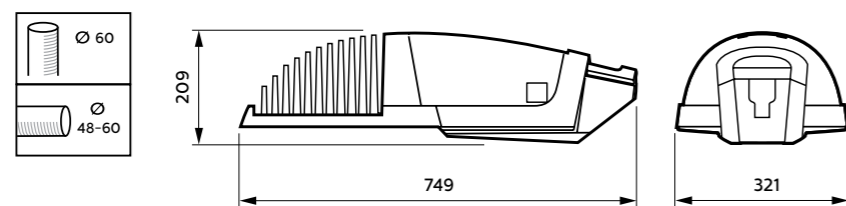
The LEDGINE-based technology inside the luminaire ensures an efficient and uniform light distribution, covering the widest possible range of applications. And installation and maintenance could not be simpler: the connectors and driver are directly accessible, without the need for tools.

Features and Benefits

- Low initial investment with high performance
- Minimum initial investment for maximum savings
- Easy and flexible installation
- Integrated controls for additional energy savings

Product size

All dimensions in millimeters



IP66

100Khrs

113
lm/W

Technical parameters

Product type	Selenium LED, BGP340
System Lumens Output	From 3200 to 9400 lm
System Power	From 40 to 107W
Efficacy	Up to 113 lm/W
CRI	640 = CRI > 60%
Color Temperature (CCT)	4000K
Driver type	PSR = Power Supply unit Regulated · PSU = Power Supply Unit · PSD = Power Supply unit DALI
Electrical class	I = Safety Class I · II = Safety Class II
Light Distribution	DM = Distribution Medium (Medium beam)
Glass cover	FG = Flat Glass
Dimming option	DDF1/DDF2/DDF3 = Integrated Dynadimmer (3 standard programs) D13 = Mains dimming · RF = Radio Frequency antenna for telemanagement
Die cast painting	MSP = Marine Spray protected Paint (resisting 1000 hours salt spray test instead of 500 hours for standard painting)
Spigot	48/60 = spigot can be installed on 48 to 60 mm mast & bracket
IP	IP66
IK	IK08
Nominal voltage	220-240V / 50-60Hz
Electrical class	I or II
Glass cover	Flat glass, extra clear
Lumen Maintenance (*)	100,000 hours
Housing	Aluminum
Standard color	Grey (RAL 7035)
Weight max.	11 kg
Opening of the luminaire	From the top without tool
Installation Post-top position	0°, 5°, 15°
Installation Post-top diameter	48 to 60 mm
Installation Side-entry position	0°, -10°, -15°
Installation Side-entry diameter	48 to 60 mm
Installation Fastening	2 M10 screws
Control devices	Integrated Dynadimmer (DDF) Mains dimming (D13) Telemanagement with RF antenna (RF)
Options	Minicell 35 lux Nema socket



Road and street



StreetStar

Your streets. Your star.

The Philips StreetStar LED luminaire brings visually arresting brilliance and safety to local road and residential lighting projects. An optimized, long-lasting, and reliable solution that meets maximized operations and maintenance savings, this luminaire is the perfect synergy of performance, features, and value that will light up your way.

StreetStar is designed to perfectly fit one-to-one retrofit projects while catering to all lighting requirements. It provides crisp, brilliant light that surpasses existing HID and fluorescent luminaire performance while offering a long lifespan of up to 50,000 hours. Backed by the Philips reliability promise, StreetStar ensures mechanical strength and excellent thermal performance, providing continuous operation and unparalleled safety and protection.

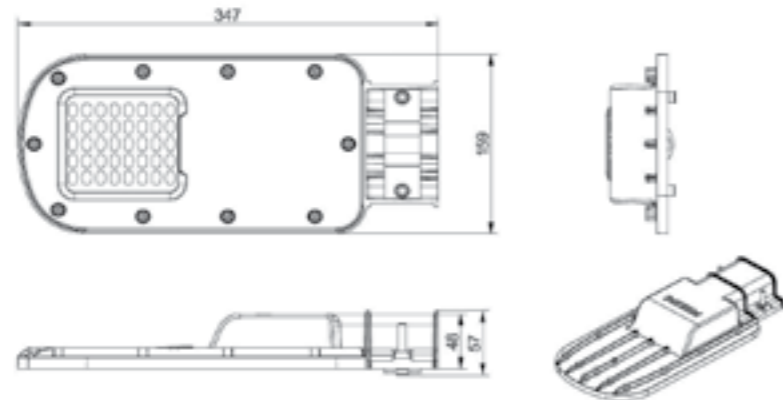
StreetStar is the perfect cost-effective solution for any city, municipality, and utility lighting projects that need optimum quality, performance, and low maintenance.

Features and Benefits

- Optimal light quality. Lighting consistency that outperforms current HID and fluorescent luminaire
- Reliable performance. Backed by Philips quality standards to ensure durability and functionality
- Meets standard lighting specifications. Competitive option for low lumen package street lighting that meets all IEC 60598 requirements
- Easy to install. Compact design for quick and easy point-to-point replacement of fluorescent and HID street lights
- Long lasting, low maintenance, and cost-effective. Low-power LED lighting with long lifespan to provide significant cost savings

Product size

All dimensions in millimeters



IP66 50Khrs 130 lm/W

Technical parameters

Model	StreetStar – BRP210
Lumen Maintenance (*)	50,000 hours L70 @ 35°C
Color Temperature (CCT)	3000K/4000K/5700K
CRI	75±5%
Lumen Output	4000K – Max 3,600lm 3000K – Max 3,100lm
System Efficacy	Up to 130 lm/w
Input Voltage	220–240V/ 50–60Hz AC ; 12V DC
Operational voltage Range (AC driver)	170–250V (50/60Hz)
Power Factor	> 95%
IP	IP66 (without glue)
IK	IK08
Installation	Side entry; pole diameter 42–60mm Power input cable (0.5m) and connector (IP66) assembly included
Operating temp	–40°C < Ta < 55°C
Humidity	Operation humidity: 93%
Housing	High pressure die-cast aluminium
Lens	Multilayer DW3 optic (IP66 integrated lens)
Weight	1.1 Kg
Dimension	347 x 159 x 57 mm
Surge protection	10KV (AC version)
Ordering information	BRP210 LED24/CW 18W 220–240V DM3 MP1 BRP210 LED29/CW 22W 220–240V DM3 MP1 BRP210 LED36/CW 27W 220–240V DM3 MP1 BRP210 LED24/NW 18W 220–240V DM3 MP1 BRP210 LED29/NW 22W 220–240V DM3 MP1 BRP210 LED35/NW 27W 220–240V DM3 MP1 BRP210 LED22/WW 18W 220–240V DM3 MP1 BRP210 LED26/WW 22W 220–240V DM3 MP1 BRP210 LED31/WW 27W 220–240V DM3 MP1 Solar powered options available



Road and street



RoadFocus

Redefining confidence

AmpLight system compatible

The Philips Lumec RoadFocus LED Cobra Head luminaires feature a sleek design that provides seamless replacement of existing HID luminaires. RoadFocus is available in three sizes, offers multiple lumen packages, and a complete array of optical distributions, making it an outstanding solution for multiple roadway applications.

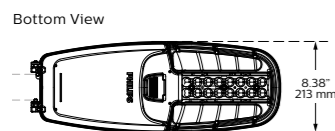
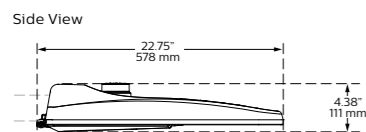
Features and Benefits

- Familiar cobra head aesthetics by day
- Powerful 70-400W HID replacement illumination at night
- Seamless installation in new and existing areas across all roadway applications
- Optional stand-alone and connected outdoor LED lighting solutions further customize energy use and maximize the benefits of LED lighting
- Field upgradable connected lighting solutions
- Fast payback

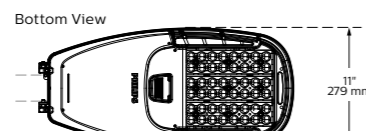
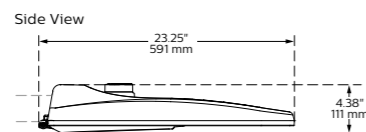
Product size

All dimensions in millimeters

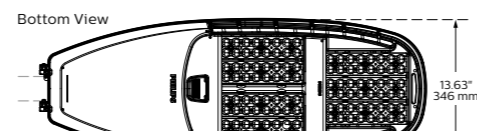
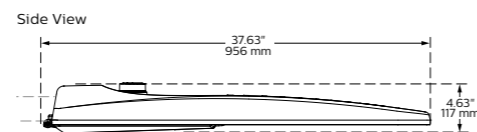
RoadFocus Small (RFS)



RoadFocus Medium (RFM)



RoadFocus Large (RFL)



IP66 60Khrs 118 lm/W

Technical parameters

Luminaire	RFS RoadFocus Small RFM RoadFocus Medium RFL RoadFocus Large
LED Module	4000K: From 2,800 to 28,500 lumens 3000K: From 2,800 to 28,500 lumens
Optical System	R2S Type II Short R2M Type II Medium R3S Type III Short R3M Type III Medium 4 Type IV 5 Type V
Voltage	UNIV 120-277VAC, HVU 347-480VAC / 50-60Hz
Driver and Dimming	Standard: DMG^{1,5} Dimmable driver 0-10V Optional: Dynadimmer Economy Profile CDMGE25^{4,5} CDMGE50^{4,5} CDMGE75^{4,5} Median Profile CDMGM25^{4,5} CDMGM50^{4,5} CDMGM75^{4,5} Safety Profile CDMGS25^{4,5} CDMGS50^{4,5} CDMGS75^{4,5} DALI^{4,5} Digitally Adressable Lighting Interface DMG-AST⁷ Adjustable Startup Time DMG-CLO⁴ Constant Light Output DMG-OTL⁷ Over The Life *Includes 0-10v dimming
Lumen Maintenance (*)	>60,000 hours
Wattage Switch	None (leave blank) FAWS⁴ Field Adjustable Wattage Selector (optional)
Twist-Lock Receptacle	Standard: RCD^{1,2,6} Receptacle for twist-lock photocell or shorting cap, 5-pin (standard) Optional: RCD7^{2,6} Receptacle for twist-lock photocell or shorting cap, 7-pin (optional)
Surge Protection	SP2⁷ 20kV / 20kA Surge Protector (optional)
Luminaire Options	HS House side shield, 1 per 16 LED light engine PH8² Twist-lock Photoelectric Cell, UNIV (120-277VAC) PH8/480⁷ Twist-lock Photoelectric Cell, HVU (480VAC) PHXL² Twist-lock Photoelectric Cell, extended life, UNIV (120-277VAC) PH9² Shorting cap API Factory installed NEMA label
Finish	BK Black finish BR Bronze finish GY3 Gray finish WH White finish

1. Please note these integrated features come standard with RoadFocus luminaires.
2. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
3. Not available with HVU (347-480volt).
4. FAWS not available with CDMG options, DALI or CLO.
5. Dimming choices: Select either DMG or one of the CDMG options or DALI.
6. When RDC7 option is selected you will get 7-pin instead of standard RCD 5-pin

7. When SP2 option is selected you will get SP2 instead of standard SP1.



Road and street



RoadStar

Aesthetics and precision engineering

AmpLight system compatible

Stand out from the crowd with a striking design statement. Philips Lumec outdoor luminaires embody the epitome of sophisticated aesthetics, precision engineering and uncompromising quality, and the next generation Philips Lumec RoadStar LED architectural roadway luminaires are no exception. With two luminaire sizes and a wide range of options, RoadStar luminaires create an unrivaled crossroad of artistic style and high-performance functionality, so your design can make a powerful impact in any outdoor area.

The RoadStar luminaire signature style blends timeless contemporary aesthetics with a touch of urban refinement. When installed, the visual journey starts with a statuesque pole reaching into the sky. The path navigates across the mounting bracket to reach its destination at the RoadStar luminaire head, which delivers maximum light levels and distribution uniformity, while dissipating heat to lengthen the luminaire life. The receptacle is recessed to create a seamless look, while the entire light engine is encapsulated in a distinct housing that is not restricted to cobrahead, but in fact, is unique in its own right.

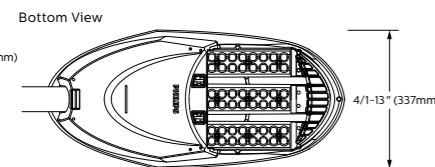
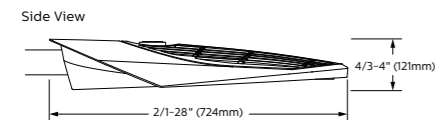
Features and Benefits

- 68% Greater lumen output than previous RoadStar generations
- 30% Increase in lumen maintenance
- 60% Increase in efficacy
- 7 Distribution options for application flexibility
- 6 LED configurations for the perfect amount of light

Product size

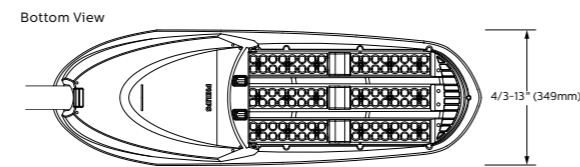
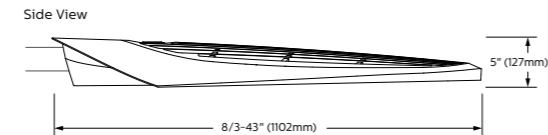
All dimensions in millimeters

RoadStar small, GPLS



Weight: 17.0 lbs (7.7 kg)
EPA: 0.65 sq. ft.

RoadStar medium, GPLM



Weight: 27.0 lbs (12.3 kg)
EPA: 0.94 sq. ft.



IP66 60Khrs 125 lm/W

Technical parameters

Luminaire	RoadStar Small GPLS RoadStar Medium GPLM
LED Module	4000K: From 3,000 to 32,900 lumens 3000K ¹
Efficacy	Up to 125 lm/W
Optical systems	R2S Type II short (ASYM) R2M Type II Medium (ASYM) R3S Type III short (ASYM) R3M Type III Medium (ASYM) R3W Type III Wide (ASYM) 4 Type IV (ASYM) 5² Type V (SYMM)
Voltage	UNV 120-277VAC, HVU 347-480VAC / 50-60Hz
Lumen Maintenance (*)	>60,000 hours
Driver and Dimming	Standard: DMG Dimmable driver 0-10V Optional: Dynadimmer Economy Profile CDMGE25 ^{3,4} CDMGE50 ^{3,4} CDMGE75 ^{3,4} Median Profile CDMGM25 ^{3,4} CDMGM50 ^{3,4} CDMGM75 ^{3,4} Safety Profile CDMGS25 ^{3,4} CDMGS50 ^{3,4} CDMGS75 ^{3,4} DALI ^{3,4} Digitally Addressable Lighting Interface DMG-AST ^{3,4} Adjustable Startup Time DMG-CLO ^{3,4} Constant Light Output DMG-OTL ^{3,4} Over The Life *Includes 0-10v dimming
Luminaire options	Standard: RCD ⁵ Receptacle for twist-lock photocell or shorting cap, 5-pin (standard) Optional: HS House Side Shield, shield, 1 per 16 LED light engine RCD7 ⁵ Receptacle for twist-lock photocell or shorting cap, 7-pin (optional) SP2 20kV / 20kA Surge Protector (optional)
Luminaire Accessory	PH8 Twist-lock Photoelectric Cell, UNV (120-277VAC) PH8/347 Twist-lock Photoelectric Cell, HVU (347VAC) PH8/480 Twist-lock Photoelectric Cell, HVU (480VAC) PHXL Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC) PH9 Shorting cap
Finishes	BK Black BR Bronze GY3 Grey WH White
Maintenance	• Tool free access • Quick access to remove components • No weight on the door for better performance in vibration testing (3G) • Light engine is fixed by using self retaining screws for a firm and efficient heat transfer • Light engine is easy to remove with quick disconnect

1. Consult factory for Warm White (3000K) details.
2. Not available with HS option.
3. 347V and 480V not available.
4. Dimming choices: Select either DMG or one of the CDMG options or DALI.
5. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
6. Note: GPLS and GPLM are compatible to accept the CityTouch wireless lighting control device



RoadGrace

Enhance the city with a new way of light

AmpLight system compatible

We now light up roads differently. It's no longer just about functionality as it is also about how road lighting can effortlessly complement new areas, and seamlessly retrofit into existing areas.

With the RoadGrace LED luminaire, you can upgrade to an energy efficiency solution, and amazing flexibility with its five optic options, optimized for multiple road and street applications, such as freeways, intersections and crosswalks.

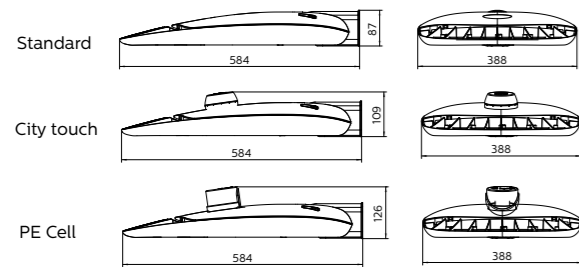
Features and Benefits

- Designed to withstand extreme temperatures with superior thermal management (-40 to 50°C Ta)
- Top-class LED that ensures reliability and a long 50,000-hour lifetime. Cities save on maintenance costs and safeguard the community's safety, sustainably
- Easy to install, it has tool-less access and an adjustable mounting spigot design that enables customization of the lighting set-up to achieve the desired effect
- Comes with five optic options, optimized for various road and street applications

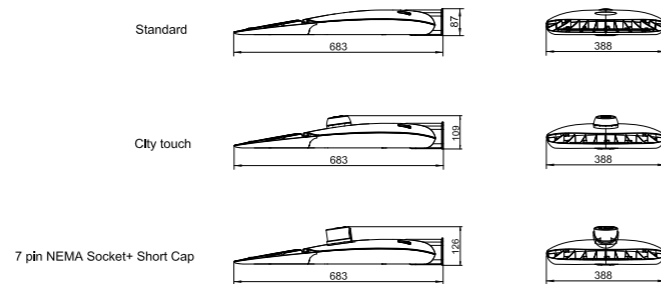
Product size

All dimensions in millimeters

RoadGrace BRP711



RoadGrace BRP712



7 pin NEMA Socket+ Short Cap



IP66 50Khrs 140 lm/W

Technical parameters	
Model	RoadGrace - BRP711, BRP712
Electric class	Class I and Class II
Cover	Transparent and weather resistant grade Polycarbonate
Color consistency (SDCM)	SDCM 5 at Luminaire level
System lumen output (lm)	Small Housing up to 8,700lm Medium Housing up to 17,000lm
Color Temperature (CCT)	3,000K, 4,000K, 5,700K
CRI	Min 70 additional option of CRI 80
Housing material	High pressure die-cast aluminum (ADC1)
Optics	BRP711 : DM, DW1, DW2, DWP, DWP3 BRP712 : DM, DW1, DW2, DWP3
Lumen Maintenance (*)	50,000 hours L70 @ 35°C
TM21 Projection	100,000 hours L80 160,000 hours L70
Power factor	> 0.9
IP	IP66
IK	IK08
Working temperature	-40 to 50°C
Input Voltage	220V-240V / 50-60Hz additional option of 120V-277V
Working humidity	Up to 95%
Surge protection	15KV/KA
Control interface	CityTouch Ready, 1-10V/DALI/Amp/Dynadimmer, 7-Pin NEMA
Dimensions (LxWxH)	BRP711 : 584 X 388 X 87 mm BRP712 : 683 X 388 X 87 mm
Weight	BRP711 : 6.8kg BRP712 : 7.4kg
Mounting	Ø25-34mm pole; Side-Entry with Adjustable angles ± 15° Ø42-60mm pole; Side-Entry with Adjustable angles ± 15° Ø60-77mm pole; Post Top with Adjustable angles ± 5°
Certifications	CB IEC60598, AS/NZS60598, TS1158, PSE, CE, RoHS
Ordering Information	BRP711 LED26/NW 20W DWP3 BRP711 LED32/NW 26W DWP3 BRP711 LED44/NW 36W DWP3 BRP711 LED52/NW 40W DWP3 BRP711 LED68/NW 53W DWP3 BRP711 LED85/NW 70W DWP3 BRP711 LED88/NW 73W DWP3 BRP712 LED84/NW 65W DM BRP712 LED101/NW 79W DM BRP712 LED111/NW 91W DM BRP712 LED118/NW 92W DM BRP712 LED135/NW 105W DM BRP712 LED151/NW 125W DM BRP712 LED171/NW 142W DM More Options available