



Luma – the vision is reality

Luma

Luma is a REVOLED™ road-lighting luminaire with a clear design identity, offering a perfectly cooled, fit-and-forget solution for all streets and roads. The lumen package, lifetime and energy profile can be tuned to create the desired solution in terms of energy and cost savings. Luma can be programmed to keep the flux of the LEDs at a predefined constant level over the lifetime of the luminaire – by increasing the operating current over time to compensate for the LED lumen depreciation. This eliminates over-lighting at the beginning, enabling additional extra energy savings. Luma's truly flat design prevents upward light, and the OPTIFLUX™ lens optics meet current lighting standards. To optimize the light distribution for varying road geometries and/or glare restrictions, the tilt angle can easily be adjusted on installation.

Benefits

- Choice of lens optics to match international road and street geometries
- Combination of lenses and tilt adjustment options ensures high project flexibility
- Dedicated lumen packages deliver energy savings of over 50%, with a related reduction in CO2 emissions

Features

- REVOLED™ technology for an integrated, uncompromised approach to LED luminaire design
- COO-LED™ thermal management – the integral design approach taken ensures that many luminaire parts contribute to the coolest and therefore most efficient lighting solution
- L-Tune tool
- Adjustable tilt angle



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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

• Type	BGP621 (Mini Luma version) BGP623 (Luma 1 version) BGP625 (Luma 2 version) BGP627 (Luma 3 version)	• Optic	OPTIFLUX™ lenses Narrow, medium, wide or extra wide road optic
• Light source	Built-in LED-module	• Optical cover	Flat cover, glass
• Power	BGP621: 10 to 90 W depending on configuration BGP623: 15 to 180 W depending on configuration BGP625: 40 to 270 W depending on configuration BGP627: 68 to 446 W depending on configuration	• Material	Housing: die-cast aluminum, non corrosive Cover: toughened glass Gear tray: aluminum Spigot: die-cast aluminum
• Luminous flux	BGP621: 850 to 11,100 lm depending on configuration BGP623: 1,400 to 22,150 lm depending on configuration BGP625: 4,200 to 32,950 lm depending on configuration BGP627: 6,950 to 54,400 lm depending on configuration	• Color	Antracite or light grey Other RAL or AKZO Futura colors or duo colors available on request
• Luminaire efficacy	Up to 124 lm/W	• Connection	M20 cable gland with strain relief, for cable Ø 10-14 mm
• Correlated Color Temperature	5700 K (CW), 4000 K (NW) or 3000 K (WW)	• Maintenance	Canopy with LED module and gear tray hinges upwards and is secured by a stainless steel locking bar (2 positions), making the LED module and gear tray safely accessible from below Safe Maintenance Technology (SMT) safety switch disconnects power on opening
• Color Rendering Index	70 (for CW, NW) 80 (for WW)	• Installation	BGP621/623: post top / side entry mounting Ø 32-60 mm BGP625/627: post top / side entry mounting Ø 42-62 mm Recommended mounting height: 6-18 m Standard tilt angle post top: 0° Adjustable tilt angle: 0-5-10° Max SCx: 0.055 m ² (BGP621), 0.057 m ² (BGP623), 0.067 m ² (BGP625), 0.079 m ² (BGP627)
• Maintenance of lumen output - L80F10	Up to 100,000 hours at 25 °C	• Accessories	Dedicated spigot for post top Ø 76 mm
• Operating temperature range	-20 to +35 °C		
• Driver	Programmed LED drivers		
• Mains voltage	220-240 V / 50-60 Hz		
• Dimming	1-10 V or stand alone DynaDimmer DALI		
• Options	Wired for cell (WFC), mini Photocell or NEMA socket Including cable		

Related products



Luma Mini BGP621 pedestrian luminaire



Luma 1 BGP623 pedestrian luminaire

Related products

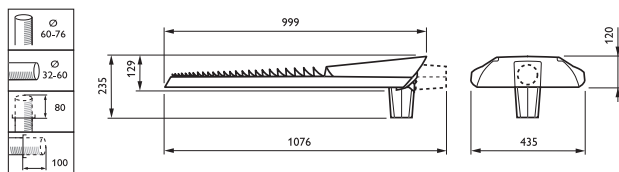


Luma 2 BGP625 pedestrian luminaire

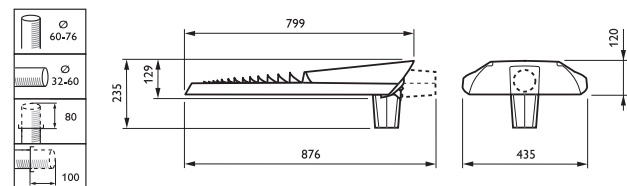


Luma 3 BGP627 pedestrian luminaire

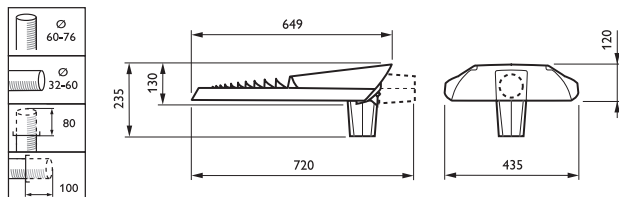
Dimensional drawing



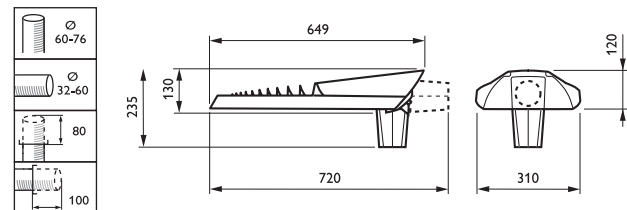
BGP627 180x/NW PSU II OFR1 AL GR SRG10 6



BGP625 120x/NW PSU II OFR1 AL GR SRG10 6

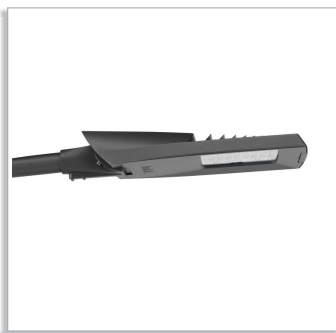


BGP623 48x/NW PSU II OFR1 AL GR SRG10 62



BGP621 40 /NW PSU II OFR1 GR 62 0 L30

Product details



Also side-entry mounting possible

General information (1/2)

Order code	Product family code	Number of light sources	Lamp family code	Lamp colour code	Light source replaceable	Driver included	Mech. impact protection code	Optic type	Parts colour	Colour	Coating
225415 00	BGP621	40	LED-HB	NW	Yes	Yes	IK09	OFR1	No	GR	No
225439 00	BGP621	30	LED-HB	NW	Yes	Yes	IK09	OFR1	No	GR	No

Order code	Product family code	Number of light sources	Lamp family code	Lamp colour code	Light source replaceable	Driver included	Mech. impact protection code	Optic type	Parts colour	Colour	Coating
225453 00	BGP621	20	LED-HB	NW	Yes	Yes	IK09	OFR1	No	GR	No
225477 00	BGP621	12	LED-HB	NW	Yes	Yes	IK09	OFR1	No	GR	No
225408 00	BGP623	48	LED-HB	NW	Yes	Yes	IK09	OFR1	AL	GR	No
225323 00	BGP625	120	LED-HB	NW	Yes	Yes	IK09	OFR1	AL	GR	No
225354 00	BGP625	100	LED-HB	NW	Yes	Yes	IK09	OFR1	AL	GR	SL-PDR
225293 00	BGP627	180	LED-HB	NW	Yes	Yes	IK09	OFR1	AL	GR	No

General information (2/2)

Order code	Product family code	Dimmable	Surge protection	CE mark	ENEC mark	Supply cable type	Luminaire fixation bolts
225415 00	BGP621	No	-	CE	ENEC	No	L30
225439 00	BGP621	No	-	CE	ENEC	No	L30
225453 00	BGP621	No	-	CE	ENEC	No	L30
225477 00	BGP621	No	-	CE	ENEC	No	L30
225408 00	BGP623	No	SRG10	CE	ENEC	No	L30
225323 00	BGP625	No	SRG10	CE	ENEC	No	L30
225354 00	BGP625	No	SRG10	CE	ENEC	No	L30
225293 00	BGP627	No	SRG10	CE	ENEC	No	L30

Light technical

Order code	Product family code	Standard tilt angle posttop	Standard tilt angle side entry
225415 00	BGP621	0	0
225439 00	BGP621	0	0
225453 00	BGP621	0	0
225477 00	BGP621	0	0
225408 00	BGP623	0	0

Order code	Product family code	Standard tilt angle posttop	Standard tilt angle side entry
225323 00	BGP625	0	0
225354 00	BGP625	0	0
225293 00	BGP627	0	0



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data subject to change