



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

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)	Useful life	BGP621: 100,000 hours min L91B10 (up to L96B10) at 25 °C ambient temperature BGP623: 100,000 hours min L89B10 (up to L95B10) at 25 °C ambient temperature BGP625: 100,000 hours min L89B10 (up to L95B10) at 25 °C ambient temperature BGP627: 100,000 hours min L88B10 (up to L95B10) at 25 °C ambient temperature
Light source	Built-in LED-module	Operating temperature range	-20 to +35 °C
Power	BGP621: 23 to 85 W depending on configuration BGP623: 39 to 174 W depending on configuration BGP625: 79 to 245 W depending on configuration BGP627: 124 to 384 W depending on configuration	Driver	Programmed LED drivers
Luminous flux	BGP621: Neutral and Cool white: nominal: 3500 to 10,900 lm system: 3200 to 9700 lm Warm white: nominal: 3500 to 9400 lm system: 3200 to 8300 lm BGP623: Neutral and Cool white: nominal: 6000 to 22,000 lm system: 5400 to 19,200 lm Warm white: nominal: 6000 to 22,000 lm system: 5400 to 19,000 lm BGP625: Neutral and Cool white: nominal: 13,000 to 34,000 lm system: 11,700 to 29,400 lm Warm white: nominal: 13,000 to 28,000 lm system: 11,700 to 24,200 lm BGP627: Neutral and Cool white: nominal: 18,900 to 55,000 lm system: 17,000 to 47,200 lm Warm white: nominal: 18,900 to 45,000 lm system: 17,000 to 38,600 lm Or tailor flux using L-Tune software	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
		Optic	Narrow, medium, wide or extra wide road optics: DM10, DM11, DM12, DM30, DM31, DM50, DM70, DN10, DN11, DPR1, DPL1, DS50, DW10, DW12, DW50, DX10, DX50, DX51, DX70
		Optical cover	Flat cover, glass
		Material	Housing: die-cast aluminum, non corrosive Cover: toughened glass Gear tray: aluminum Spigot: die-cast aluminum
		Color	Antracite or light grey Other RAL or AKZO Futura colors or duo colors available on request
		Connection	M20 cable gland with strain relief, for cable Ø 10-14 mm
		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
		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 m² (BGP621), 0.057 m² (BGP623), 0.067 m² (BGP625), 0.079 m² (BGP627)
Luminaire efficacy	BGP621: up to 137 lm/W BGP623: up to 146 lm/W BGP625: up to 148 lm/W BGP627: up to 144 lm/W	Accessories	Dedicated spigot for post top Ø 76 mm
Correlated Color Temperature	3000, 4000 or 5700 K		
Color Rendering Index	>70 (for CW, NW) >80 (for WW)		

Luma

Versions



Product details

