PHILIPS

Lighting

Get your city ready for the future with DigiStreet

DigiStreet

Developed with the aim of becoming your long-term partner,the system-ready architecture of DigiStreet enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come! Its two sockets enable you to connect directly to the Philips CityTouch system and it is also prepared to connect you to the future innovations of IoT.Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, no matter what stage of the luminaire's lifetime. Digistreet is also equipped with dedicated light recipes that: 1) maintain optimal ecosystems for bats or 2) preserve a dark night sky.

Benefits

- Prepared for the future: it is easy to upgrade directly after installation or later with future CMS nodes and sensors to enable new functionalities
- Large availability of lens optics to match international road and street geometries
- On-the-spot luminaire identification to make maintenance easier and quicker with the Philips Service tag

Features

- Easy luminaire identification due to the Philips Service tag
- High efficacy up to 161 lm/W
- Choice of 30+ different beams and different internal louvres
- Surge protection, 10 kV
- L-tune tool available
- Lifetime 100 Khrs up to L96 at Tq +25 ºC
- Internal louvre (optional)

Application

- Traffic routes and main access road
- Urban and residential areas
- City centres and high streets
- Cycle paths, footpaths and pedestrian crossings

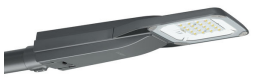
Specifications

Type	BGP760 (Micro version)
	BGP761 (Mini version)
	BGP762 (medium version)
	BGP763 (large version)
Light source	Integral LED-module
Power	Micro version: WW: 5.6 up to 39.5 W, NW/CW: 6 up to 39 W
	Mini version:WW: 34 up to 72 W, NW/CW: 27.5 up to 74 W
	Medium version: WW: 69 up to 152 W, NW/CW: 55 up to 146 W
	Large version: WW: 178 up to 230 W, NW/CW: 144 up to 220 W
Luminous flux system	Micro version: WW from 550 to 4,500 lm, NW/CW 700-5,500 lm
	Mini version: WW from 4,000 to 8,500 lm, NW/CW 4,000-11,800 lm
	Medium: WW from 8,500 to 18,000 lm, NW/CW 8,500-21,600 lm
	Large: WW from 20,600 to 26,400 lm, NW/CW 20,900-32,000 lm
	Or tailor flux using L-Tune software
Luminaire efficacy	Micro version: NW/CW up to 147 lm/W, WW up to 118 lm/W
	Mini version: NW/CW up to 154 lm/W, WW up to 125 lm/W
	Medium: NW/CW up to 161 lm/W, WW up to 128 lm/W
	Large: NW/CW up to 150 lm/W, WW up to 121 lm/W
Correlated Colour Temperature	Warm white (WW): 3,000 K
	Neutral white (NW): 4,000 K
	Cool white (CW): 5,700 K
Colour Rendering Index	NW and CW: 70
	WW: 80
Lumen maintenance at median useful life* 100,000 h	BGP760: up to L96
	BGP761: up to L95
	BGP762: up to L94
	BGP763: up to L92
Control gear failure rate at median useful life 100,000 h	10%
Performance Ambient Temperature Tq	+25 ºC
Operating temperature range	-40 to +35 ºC
Driver	Built-in (self-ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz

Inrush current	22 W: 15 A/ 360 µs (max 23 drivers on CB 16A B type), SR 22 W: 18A/ 320 µs (max 21 drivers on CB 16A B type)
	40 W: 22 A/ 290 µs (max 20 drivers on CB 16A B type), SR 40 W: 21A/ 300 µs (max 21 drivers on CB 16A B type)
	75 W: 46 A/ 250 µs (max 11 drivers on CB 16A B type), SR 75W: 65 A/ 330 µs (max 6 drivers on CB 16A B type)
	150 W: 53 A/ 300 µs (max 8 drivers on CB 16A B type), SR 150 W: 65 A/ 330 µs (max 6 drivers on CB 16A B type)
	2x 150 W: 106 A/300 µs (max 4 drivers on CB 16A B type), SR 150 W: 130 A/330 µs (max 3 drivers on CB 16A B type)
Dimming	Stand-alone DynaDimmer
	DALI
Options	Wired for SR (System Ready), mini Photocell or NEMA socket
Optic	Narrow, medium, wide or extra-wide road optics: DM10, DM11, DM12, DM13, DM30, DM31, DM32, DM33, DM50, DM70, DPR1, DPL1, DS50, DW10, DW50, DX10, DX50, DX51, DX70, DN09, DN10, DN11, DN50, DRM1, DRM2, DRN1, DRN2,
Optical element	Louvres (BL1, BL2)
Optical cover	Tempered glass
Material	High-pressure, die-cast LM6 aluminium
Colour	RAL 7022 for Philips Dark grey
	Other RAL or AKZO colours available on request
Connection	M20 cable gland with strain relief, for cable Ø 6-12 mm
Maintenance	Canopy to access the gear tray hinges upwards, and it is secured by a stainless steel locking bar
	The Philips Service tag will help to identify the product and share all product information on the spot
Installation	Post top: 48-62 or 76 mm
	Side entry: 32-48 mm, 48-62 mm
	Recommended mounting height:
	Micro version: 4 to 6 m
	Mini version: 5 to 8 m
	Medium version: 6 to 12 m
	Large version: 10 to 18 m
	Standard tilt angle post top: 0º
	Adjustable tilt angle: -20°, -15°, -10°, -5°, 0°, +5°, +10°, +15°, +20°
	Adjustable light distribution: no
	Max SCx
	Micro version: 0.0450 m²
	Mini version: 0.0589 m²
	Medium version: 0.0562 m²
	Large version: 0.0562 m²

SR compatibility	For SR-based luminaires only SR-certified components/sensors are to be used (see also: http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting?.	luminaire, is to be released by the master component/sensor supplier. For the use of a NEMA 7-pin socket on an SR-based luminaire, a full-system verification is required. Not following this advice can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility.
	Functional compatibility of 2 (SR-certified) components/sensors to be used in combination as well as to override the possibility of any lineswitch function used in an SR-based	

Versions



Product details

Digistreet-BGP760-DP06.tif

Digistreet-BGP760-DP09.tif

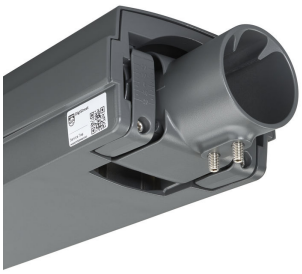
Digistreet-BGP760-DP10.tif

Digistreet-BGP760-DP11.tif

Product details

Digistreet-BGP761-DP17.tif

Digistreet-BGP761-DP18.tif



Digistreet-BGP761-DP19.tif

Digistreet-BGP761-DP20.tif

Digistreet-BGP761-DP21.tif

Digistreet-BGP761-DP22.tif

Digistreet-BGP761-DP23.tif

Digistreet-BGP761-DP24.tif

Product details

Digistreet-BGP761-DP25.tif

Digistreet-BGP761-DP26.tif

Application Conditions	
Maximum dim level	Not applicable
Approval and Application	
Mech. impact protection code	IK09
Surge Protection (Common/ Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode
Controls and Dimming	
Dimmable	No
General Information	
CE mark	CE mark
Light source colour	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
Flammability mark	NO
Gear	EB
Glow-wire test	650/5
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Product Family Code	BGP760
Initial Performance (IEC Compliant)	
Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	70
Light Technical	
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0
Mechanical and Housing	
Colour	Dark Grey

Operating and Electrical

Order Code	Full Product Name	Driver current
37689800	BGP760 LED34-/740 I DX10 DGR 32-48	368 mA
37691100	BGP760 LED44-/740 I DW50 DGR 32-48	489 mA

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General Information

Order Code	Full Product Name	Luminaire light beam spread	Lamp family code	Optic type	UL mark
37689800	BGP760 LED34-/740 I DX10 DGR 32-48	150° - 43° x 67°	LED34	Distribution extra-wide 10	No

Order Code	Full Product Name	Luminaire light beam spread	Lamp family code	Optic type	UL mark
37691100	BGP760 LED44-/740 I DW50 DGR 32-48	152° - 24° x 66°	LED44	Distribution wide 50	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
37689800	BGP760 LED34-/740 I DX10 DGR 32-48	2958 lm

Order Code	Full Product Name	Initial luminous flux
37691100	BGP760 LED44-/740 I DW50 DGR 32-48	3784 lm