



# 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

- An optimised solution for road and street applications, saving up to 80% energy compared with conventional luminaires
- Easy luminaire identification to make maintenance easier and quicker
- Future-proof upgrade to tele-management and sensors

### Features

- System lumen from 1,000 to 24,000 lm Up to 147 lm/W Choice of 21 optics Internal louvre (optional) IP66 IK09 10 kV surge protection 100,000 hours lifetime @ L90B10 Philips Service tag

### Application

- Traffic routes and main access roads
- Urban and residential areas
- City centers and main streets
- Cycle paths, footpaths and pedestrian crossings

### Specifications

<b>Type</b>	BGP760 (Micro version)
	BGP761 (Mini version)
	BGP762 (medium version)
	BGP763 (large version)
<b>Light source</b>	Integral LED-module
<b>Power</b>	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
<b>Luminous flux system</b>	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
<b>Luminaire efficacy</b>	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
<b>Correlated Colour Temperature</b>	Warm white (WW): 3,000 K
	Neutral white (NW): 4,000 K
	Cool white (CW): 5,700 K
<b>Colour Rendering Index</b>	NW and CW: 70
	WW: 80
<b>Lumen maintenance at median useful life* 100,000 h</b>	BGP760: up to L96
	BGP761: up to L95
	BGP762: up to L94
	BGP763: up to L92
<b>Control gear failure rate at median useful life 100,000 h</b>	10%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-40 to +35 °C
<b>Driver</b>	Built-in (self-ballasted LED-module)
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Inrush current</b>	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)

<b>Dimming</b>	Stand-alone DynaDimmer
	DALI
<b>Options</b>	Wired for SR (System Ready), mini Photocell or NEMA socket
<b>Optic</b>	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,
<b>Optical element</b>	Louvres (BL1, BL2)
<b>Optical cover</b>	Tempered glass
<b>Material</b>	High-pressure, die-cast LM6 aluminium
<b>Colour</b>	RAL 7022 for Philips Dark grey
	Other RAL or AKZO colours available on request
<b>Connection</b>	M20 cable gland with strain relief, for cable Ø 6-12 mm
<b>Maintenance</b>	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
<b>Installation</b>	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: 0°
	Adjustable tilt angle: -20°, -15°, -10°, -5°, 0°, +5°, +10°, +15°, +20°
	Adjustable light distribution: no
	Max SCx
<b>SR compatibility</b>	Micro version: 0.0450 m²
	Mini version: 0.0589 m²
	Medium version: 0.0562 m²
	Large version: 0.0562 m²
	For SR-based luminaires only SR-certified components/sensors are to be used (see also: <a href="http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting?">http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting?</a> ).
	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 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.

## Versions



### Approval and Application

Mech. impact protection code	IK09
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### General Information

CE mark	CE mark
Optical cover/lens type	FG
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	NO
Light source replaceable	No

### Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

### Mechanical and Housing

Colour	Dark Grey
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### Application Conditions

Order Code	Full Product Name	Maximum dim level
37827400	BGP762 LED120-/830 II DN11 DGR D11 76	Not applicable
37831100	BGP762 LED159-/830 II DM70 DGR DDF27 D18	-
37828100	BGP762 LED129-/740 I DM11 DGR 32-48	Not applicable
37832800	BGP762 LED169-/740 I DS50 DGR 62	Not applicable
37826700	BGP762 LED110-/740 I DN10 DGR 32-48	Not applicable
37830400	BGP762 LED149-/740 I DM50 DGR 32-48	Not applicable
37834200	BGP762 LED180-/740 I DX10 DGR 32-48	Not applicable
37825000	BGP762 LED100-/830 II DM11 DGR D9 62	Not applicable
37829800	BGP762 LED139-/830 II DM11 DGR D9 62	Not applicable
37833500	BGP762 LED170-/830 II DW10 DGR 76	Not applicable
37836600	BGP762 LED200-/740 I DW50 DGR 62	Not applicable
37837300	BGP762 LED210-/740 II DX70 DGR 76	Not applicable
37835900	BGP762 LED190-/740 II DW10 DGR SRG10 62	Not applicable
37838000	BGP762 LED220-/740 II DW10 DGR SRG10 62	Not applicable
37693500	BGP761 LED45-/740 I DM10 DGR 32-48	Not applicable
37699700	BGP761 LED74-/740 I DM50 DGR 32-48	Not applicable
37703100	BGP761 LED94-/740 I DX10 DGR 32-48	Not applicable
37695900	BGP761 LED55-/740 I DN10 DGR 32-48	Not applicable
37701700	BGP761 LED84-/740 I DS50 DGR 32-48	Not applicable
37841000	BGP763 LED240-/830 II DW10 DGR SRG10 62	Not applicable
37842700	BGP763 LED300-/740 I DW50 DGR 62	Not applicable
37840300	BGP763 LED260-/740 I DX10 DGR 32-48	Not applicable
37844100	BGP763 LED340-/740 II DW10 DGR SRG10 62	Not applicable
37843400	BGP763 LED320-/740 II DX70 DGR 76	Not applicable

## Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
37827400	BGP762 LED120-/830 II DN11 DGR D11 76	-
37831100	BGP762 LED159-/830 II DM70 DGR DDF27 D18	-
37828100	BGP762 LED129-/740 I DM11 DGR 32-48	-
37832800	BGP762 LED169-/740 I DS50 DGR 62	-
37826700	BGP762 LED110-/740 I DN10 DGR 32-48	-
37830400	BGP762 LED149-/740 I DM50 DGR 32-48	-
37834200	BGP762 LED180-/740 I DX10 DGR 32-48	-

Order Code	Full Product Name	Surge Protection (Common/Differential)
37825000	BGP762 LED100-/830 II DM11 DGR D9 62	-
37829800	BGP762 LED139-/830 II DM11 DGR D9 62	-
37833500	BGP762 LED170-/830 II DW10 DGR 76	-
37836600	BGP762 LED200-/740 I DW50 DGR 62	-
37837300	BGP762 LED210-/740 II DX70 DGR 76	-
37835900	BGP762 LED190-/740 II DW10 DGR SRG10 62	Surge protection level until 10 kV

Order Code	Full Product Name	Surge Protection (Common/ Differential)
37838000	BGP762 LED220-/740 II DW10 DGR SRG10 62	Surge protection level until 10 kV
37693500	BGP761 LED45-/740 I DM10 DGR 32-48	-
37699700	BGP761 LED74-/740 I DM50 DGR 32-48	-
37703100	BGP761 LED94-/740 I DX10 DGR 32-48	-
37695900	BGP761 LED55-/740 I DN10 DGR 32-48	-
37701700	BGP761 LED84-/740 I DS50 DGR 32-48	-

Order Code	Full Product Name	Surge Protection (Common/ Differential)
37841000	BGP763 LED240-/830 II DW10 DGR SRG10 62	Surge protection level until 10 kV
37842700	BGP763 LED300-/740 I DW50 DGR 62	-
37840300	BGP763 LED260-/740 I DX10 DGR 32-48	-
37844100	BGP763 LED340-/740 II DW10 DGR SRG10 62	Surge protection level until 10 kV
37843400	BGP763 LED320-/740 II DX70 DGR 76	-

## Controls and Dimming

Order Code	Full Product Name	Dimmable
37827400	BGP762 LED120-/830 II DN11 DGR D11 76	-
37831100	BGP762 LED159-/830 II DM70 DGR DDF27 D18	Yes
37828100	BGP762 LED129-/740 I DM11 DGR 32-48	No
37832800	BGP762 LED169-/740 I DS50 DGR 62	No
37826700	BGP762 LED110-/740 I DN10 DGR 32-48	No
37830400	BGP762 LED149-/740 I DM50 DGR 32-48	No
37834200	BGP762 LED180-/740 I DX10 DGR 32-48	No
37825000	BGP762 LED100-/830 II DM11 DGR D9 62	No
37829800	BGP762 LED139-/830 II DM11 DGR D9 62	-
37833500	BGP762 LED170-/830 II DW10 DGR 76	No
37836600	BGP762 LED200-/740 I DW50 DGR 62	No
37837300	BGP762 LED210-/740 II DX70 DGR 76	No

Order Code	Full Product Name	Dimmable
37835900	BGP762 LED190-/740 II DW10 DGR SRG10 62	No
37838000	BGP762 LED220-/740 II DW10 DGR SRG10 62	No
37693500	BGP761 LED45-/740 I DM10 DGR 32-48	No
37699700	BGP761 LED74-/740 I DM50 DGR 32-48	No
37703100	BGP761 LED94-/740 I DX10 DGR 32-48	No
37695900	BGP761 LED55-/740 I DN10 DGR 32-48	No
37701700	BGP761 LED84-/740 I DS50 DGR 32-48	No
37841000	BGP763 LED240-/830 II DW10 DGR SRG10 62	No
37842700	BGP763 LED300-/740 I DW50 DGR 62	No
37840300	BGP763 LED260-/740 I DX10 DGR 32-48	No
37844100	BGP763 LED340-/740 II DW10 DGR SRG10 62	No
37843400	BGP763 LED320-/740 II DX70 DGR 76	No

## General Information (1/2)

Order Code	Full Product Name	Lamp			
		Luminaire light beam spread	Light source colour	Lamp family code	Number of gear units
37827400	BGP762 LED120-/830 II DN11 DGR D11 76	53° x 71°	830 warm white	LED120	1 unit
37831100	BGP762 LED159-/830 II DM70 DGR DDF27 D18	-	830 warm white	LED159	1 unit
37828100	BGP762 LED129-/740 I DM11 DGR 32-48	-	740 neutral white	LED129	1 unit
37832800	BGP762 LED169-/740 I DS50 DGR 62	32° x 29°	740 neutral white	LED169	1 unit
37826700	BGP762 LED110-/740 I DN10 DGR 32-48	68° x 158°	740 neutral white	LED110	1 unit
37830400	BGP762 LED149-/740 I DM50 DGR 32-48	85° x 21°	740 neutral white	LED149	1 unit
37834200	BGP762 LED180-/740 I DX10 DGR 32-48	24° x 151°	740 neutral white	LED180	1 unit
37825000	BGP762 LED100-/830 II DM11 DGR D9 62	95° x 160°	830 warm white	LED100	1 unit
37829800	BGP762 LED139-/830 II DM11 DGR D9 62	-	830 warm white	LED139	1 unit
37833500	BGP762 LED170-/830 II DW10 DGR 76	61° x 150°	830 warm white	LED170	1 unit

Order Code	Full Product Name	Lamp			
		Luminaire light beam spread	Light source colour	Lamp family code	Number of gear units
37836600	BGP762 LED200-/740 I DW50 DGR 62	42° x 20°	740 neutral white	LED200	1 unit
37837300	BGP762 LED210-/740 II DX70 DGR 76	106° x 86°	740 neutral white	LED210	1 unit
37835900	BGP762 LED190-/740 II DW10 DGR SRG10 62	61° x 150°	830 warm white	LED190	1 unit
37838000	BGP762 LED220-/740 II DW10 DGR SRG10 62	-	740 neutral white	LED220	1 unit
37693500	BGP761 LED45-/740 I DM10 DGR 32-48	88° x 157°	740 neutral white	LED45	1 unit
37699700	BGP761 LED74-/740 I DM50 DGR 32-48	84° x 21°	740 neutral white	LED74	1 unit
37703100	BGP761 LED94-/740 I DX10 DGR 32-48	24° x 151°	740 neutral white	LED94	1 unit
37695900	BGP761 LED55-/740 I DN10 DGR 32-48	68° x 157°	740 neutral white	LED55	1 unit
37701700	BGP761 LED84-/740 I DS50 DGR 32-48	32° x 29°	740 neutral white	LED84	1 unit
37841000	BGP763 LED240-/830 II DW10 DGR SRG10 62	61° x 150°	830 warm white	LED280	2 units

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Lamp	
				family code	Number of gear units
37842700	BGP763 LED300-/740 I DW50 DGR 62	42° x 20°	740 neutral white	LED300	2 units
37840300	BGP763 LED260-/740 I DX10 DGR 32-48	24° x 151°	740 neutral white	LED260	2 units

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Lamp	
				family code	Number of gear units
37844100	BGP763 LED340-/740 II DW10 DGR SRG10 62	-	740 neutral white	LED340	2 units
37843400	BGP763 LED320-/740 II DX70 DGR 76	106° x 44°	740 neutral white	LED320	2 units

## General Information (2/2)

Order Code	Full Product Name	Optic type	Product	
			Family Code	
37827400	BGP762 LED120-/830 II DN11 DGR D11 76	Distribution narrow 11	BGP762	
37831100	BGP762 LED159-/830 II DM70 DGR DDF27 D18	Distribution medium 70	BGP762	
37828100	BGP762 LED129-/740 I DM11 DGR 32-48	Distribution medium 30	BGP762	
37832800	BGP762 LED169-/740 I DS50 DGR 62	Distribution symmetrical 50	BGP762	
37826700	BGP762 LED110-/740 I DN10 DGR 32-48	Distribution narrow 10	BGP762	
37830400	BGP762 LED149-/740 I DM50 DGR 32-48	Distribution medium 50	BGP762	
37834200	BGP762 LED180-/740 I DX10 DGR 32-48	Distribution extra wide 10	BGP762	
37825000	BGP762 LED100-/830 II DM11 DGR D9 62	Distribution medium 11	BGP762	
37829800	BGP762 LED139-/830 II DM11 DGR D9 62	Distribution medium 31	BGP762	
37833500	BGP762 LED170-/830 II DW10 DGR 76	Distribution wide 10	BGP762	
37836600	BGP762 LED200-/740 I DW50 DGR 62	Distribution wide 50	BGP762	
37837300	BGP762 LED210-/740 II DX70 DGR 76	Distribution extra wide 70	BGP762	
37835900	BGP762 LED190-/740 II DW10 DGR SRG10 62	Distribution wide 12	BGP762	

Order Code	Full Product Name	Optic type	Product	
			Family Code	
37838000	BGP762 LED220-/740 II DW10 DGR SRG10 62	Distribution wide 12	BGP762	
37693500	BGP761 LED45-/740 I DM10 DGR 32-48	Distribution medium 10	BGP761	
37699700	BGP761 LED74-/740 I DM50 DGR 32-48	Distribution medium 50	BGP761	
37703100	BGP761 LED94-/740 I DX10 DGR 32-48	Distribution extra wide 10	BGP761	
37695900	BGP761 LED55-/740 I DN10 DGR 32-48	Distribution narrow 10	BGP761	
37701700	BGP761 LED84-/740 I DS50 DGR 32-48	Distribution symmetrical 50	BGP761	
37841000	BGP763 LED240-/830 II DW10 DGR SRG10 62	Distribution wide 12	BGP763	
37842700	BGP763 LED300-/740 I DW50 DGR 62	Distribution wide 50	BGP763	
37840300	BGP763 LED260-/740 I DX10 DGR 32-48	Distribution extra wide 10	BGP763	
37844100	BGP763 LED340-/740 II DW10 DGR SRG10 62	Distribution wide 12	BGP763	
37843400	BGP763 LED320-/740 II DX70 DGR 76	Distribution extra wide 70	BGP763	

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	
			Rendering Index	Initial luminous flux
37827400	BGP762 LED120-/830 II DN11 DGR D11 76	3000 K	80	10800 lm
37831100	BGP762 LED159-/830 II DM70 DGR DDF27 D18	3000 K	80	13920 lm
37828100	BGP762 LED129-/740 I DM11 DGR 32-48	4000 K	70	11700 lm
37832800	BGP762 LED169-/740 I DS50 DGR 62	4000 K	70	14596 lm
37826700	BGP762 LED110-/740 I DN10 DGR 32-48	4000 K	70	10010 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	
			Rendering Index	Initial luminous flux
37830400	BGP762 LED149-/740 I DM50 DGR 32-48	4000 K	70	13500 lm
37834200	BGP762 LED180-/740 I DX10 DGR 32-48	4000 K	70	15480 lm
37825000	BGP762 LED100-/830 II DM11 DGR D9 62	3000 K	80	9100 lm
37829800	BGP762 LED139-/830 II DM11 DGR D9 62	3000 K	80	12600 lm
37833500	BGP762 LED170-/830 II DW10 DGR 76	3000 K	80	15130 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
37836600	BGP762 LED200-/740 I DW50 DGR 62	4000 K	70	17200 lm
37837300	BGP762 LED210-/740 II DX70 DGR 76	4000 K	70	18060 lm
37835900	BGP762 LED190-/740 II DW10 DGR SRG10 62	3000 K	80	17100 lm
37838000	BGP762 LED220-/740 II DW10 DGR SRG10 62	4000 K	70	19580 lm
37693500	BGP761 LED45-/740 I DM10 DGR 32-48	4000 K	70	4050 lm
37699700	BGP761 LED74-/740 I DM50 DGR 32-48	4000 K	70	6660 lm
37703100	BGP761 LED94-/740 I DX10 DGR 32-48	4000 K	70	8084 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
37695900	BGP761 LED55-/740 I DN10 DGR 32-48	4000 K	70	5096 lm
37701700	BGP761 LED84-/740 I DS50 DGR 32-48	4000 K	70	7392 lm
37841000	BGP763 LED240-/830 II DW10 DGR SRG10 62	3000 K	80	21120 lm
37842700	BGP763 LED300-/740 I DW50 DGR 62	4000 K	70	25200 lm
37840300	BGP763 LED260-/740 I DX10 DGR 32-48	4000 K	70	22100 lm
37844100	BGP763 LED340-/740 II DW10 DGR SRG10 62	4000 K	70	29580 lm
37843400	BGP763 LED320-/740 II DX70 DGR 76	4000 K	70	26880 lm

