



UniStreet – simple, cost-effective road-lighting range

UniStreet

At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance.

Benefits

- Substantial energy savings for a limited investment
- Point-to-point replacement of SOX, PL-L, SON or HPL conventional luminaires
- Low maintenance

Features

- Wide choice of lumen packages, ranging from 1,000 up to 10,000 lumens
- Compact and slim luminaire made from quality recyclable materials
- Bulk packaging – reduced cost and waste materials

Application

- Residential areas
- Minor roads

Specifications

Type	BGS/BGP203 (small version)
	BGS/BGP204 (large version)

Light source	Integral LED-module
Power	11 to 110 W

Luminous flux	1100 to 10,400 lm
Luminaire efficacy	Up to 100 lm/W
Correlated Color	4000 K
Temperature	
Color Rendering Index	> 70
Maintenance of lumen output - L80F10	60,000 hours at Ta=25 °C
Operating temperature range	-30 to +35 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz
Dimming	LumiStep DynaDimmer Mains dimming
Options	Constant light output (CLO) External cable 4, 6, 8, 10 m Surge protection device (up to 10 kV)

Optic	Distribution medium (DM) or wide (DW)
Optical cover	Glass, clear
Material	Upper frame: die-cast aluminum, high-pressure Electric cover: plastic Cover: glass, thermally hardened, 4 mm
Color	Upper frame: light gray (RAL7035) Electric cover: signal gray (RAL7004)
Connection	Screw connection block
Maintenance	Opening with screw
Installation	Side entry mounting: Ø 32-48 or 48-60 mm Post-top mounting: Ø 32-48, 48-60 or 76 mm Recommended mounting height: 4-12 m Standard tilt angle post top: +10 to -90° Max SCx: - BGS203: 0.036 m² - BGS204: 0.041 m²

Versions



Application Conditions

Average ambient temperature	25 °C
Maximum dim level	10%

Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Philips standard surge protection level kV

Controls and Dimming

Dimmable	Yes
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General Information

Luminaire light beam spread	154°
Supply cable type	No
CE mark	CE mark
Coating	-
Light source colour	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	NO
Glow-wire test	650/5
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Distribution medium

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	70

Light Technical

Scotopic/photopic lumen ratio	1.6
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Mechanical and Housing

Colour	Gray
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Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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Operating and Electrical

Order Code	Full Product Name	Driver current
37223400	BGP204 LED100-4S/740 I DM50 D9 48/60A	640 mA
37224100	BGP204 LED100-4S/740 II DM50 D9 48/60A	640 mA
37225800	BGP204 LED120-4S/740 I DM50 D9 48/60A	445 mA
37226500	BGP204 LED120-4S/740 II DM50 D9 48/60A	445 mA
37227200	BGP204 LED139-4S/740 I DM50 D9 48/60A	520 mA
37228900	BGP204 LED139-4S/740 II DM50 D9 48/60A	520 mA
37229600	BGP204 LED149-4S/740 I DM50 D9 48/60A	570 mA
37230200	BGP204 LED149-4S/740 II DM50 D9 48/60A	570 mA
37231900	BGP204 LED60-4S/740 I DM50 D9 48/60A	320 mA
37232600	BGP204 LED60-4S/740 II DM50 D9 48/60A	320 mA
37233300	BGP204 LED70-4S/740 I DM50 D9 48/60A	385 mA
37234000	BGP204 LED70-4S/740 II DM50 D9 48/60A	385 mA
37235700	BGP204 LED80-4S/740 I DM50 D9 48/60A	445 mA
37236400	BGP204 LED80-4S/740 II DM50 D9 48/60A	445 mA
37237100	BGP204 LED90-4S/740 I DM50 D9 48/60A	506 mA
37238800	BGP204 LED90-4S/740 II DM50 D9 48/60A	506 mA
34898700	BGP203 LED16-4S/740 I DM50 D9 48/60A	350 mA
34899400	BGP203 LED16-4S/740 II DM50 D9 48/60A	350 mA
34900700	BGP203 LED20-4S/740 I DM50 D9 48/60A	445 mA
34901400	BGP203 LED20-4S/740 II DM50 D9 48/60A	445 mA
34902100	BGP203 LED30-4S/740 I DM50 D9 48/60A	440 mA
34903800	BGP203 LED30-4S/740 II DM50 D9 48/60A	440 mA
34904500	BGP203 LED45-4S/740 I DM50 D9 48/60A	320 mA
34905200	BGP203 LED45-4S/740 II DM50 D9 48/60A	320 mA
34906900	BGP203 LED59-4S/740 I DM50 D9 48/60A	440 mA
34907600	BGP203 LED59-4S/740 II DM50 D9 48/60A	440 mA
34908300	BGP203 LED79-4S/740 I DM50 D9 48/60A	610 mA
34909000	BGP203 LED79-4S/740 II DM50 D9 48/60A	610 mA

General Information

Order Code	Full Product Name	Lamp family code	Number of light sources	Product Family Code
37223400	BGP204 LED100-4S/740 I DM50 D9 48/60A	LED100	2	BGP204

Order Code	Full Product Name	Lamp family code	Number of light sources	Product Family Code
37224100	BGP204 LED100-4S/740 II DM50 D9 48/60A	LED100	2	BGP204

Order Code	Full Product Name	Lamp family code	Number of		Product Family Code
			light sources	light	
37225800	BGP204 LED120-4S/740 I DM50 D9 48/60A	LED120	2		BGP204
37226500	BGP204 LED120-4S/740 II DM50 D9 48/60A	LED120	2		BGP204
37227200	BGP204 LED139-4S/740 I DM50 D9 48/60A	LED139	2		BGP204
37228900	BGP204 LED139-4S/740 II DM50 D9 48/60A	LED139	2		BGP204
37229600	BGP204 LED149-4S/740 I DM50 D9 48/60A	LED149	2		BGP204
37230200	BGP204 LED149-4S/740 II DM50 D9 48/60A	LED149	2		BGP204
37231900	BGP204 LED60-4S/740 I DM50 D9 48/60A	LED60	2		BGP204
37232600	BGP204 LED60-4S/740 II DM50 D9 48/60A	LED60	2		BGP204
37233300	BGP204 LED70-4S/740 I DM50 D9 48/60A	LED70	2		BGP204
37234000	BGP204 LED70-4S/740 II DM50 D9 48/60A	LED70	2		BGP204
37235700	BGP204 LED80-4S/740 I DM50 D9 48/60A	LED80	2		BGP204
37236400	BGP204 LED80-4S/740 II DM50 D9 48/60A	LED80	2		BGP204
37237100	BGP204 LED90-4S/740 I DM50 D9 48/60A	LED90	2		BGP204

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
37223400	BGP204 LED100-4S/740 I DM50 D9 48/60A	8600 lm
37224100	BGP204 LED100-4S/740 II DM50 D9 48/60A	8600 lm
37225800	BGP204 LED120-4S/740 I DM50 D9 48/60A	10320 lm
37226500	BGP204 LED120-4S/740 II DM50 D9 48/60A	10320 lm
37227200	BGP204 LED139-4S/740 I DM50 D9 48/60A	12040 lm
37228900	BGP204 LED139-4S/740 II DM50 D9 48/60A	12040 lm
37229600	BGP204 LED149-4S/740 I DM50 D9 48/60A	12750 lm
37230200	BGP204 LED149-4S/740 II DM50 D9 48/60A	12750 lm
37231900	BGP204 LED60-4S/740 I DM50 D9 48/60A	5220 lm
37232600	BGP204 LED60-4S/740 II DM50 D9 48/60A	5220 lm
37233300	BGP204 LED70-4S/740 I DM50 D9 48/60A	6020 lm
37234000	BGP204 LED70-4S/740 II DM50 D9 48/60A	6020 lm
37235700	BGP204 LED80-4S/740 I DM50 D9 48/60A	6880 lm
37236400	BGP204 LED80-4S/740 II DM50 D9 48/60A	6880 lm

Order Code	Full Product Name	Lamp family code	Number of		Product Family Code
			light sources	light	
37238800	BGP204 LED90-4S/740 II DM50 D9 48/60A	LED90	2		BGP204
34898700	BGP203 LED16-4S/740 I DM50 D9 48/60A	LED16	1		BGP203
34899400	BGP203 LED16-4S/740 II DM50 D9 48/60A	LED16	1		BGP203
34900700	BGP203 LED20-4S/740 I DM50 D9 48/60A	LED20	1		BGP203
34901400	BGP203 LED20-4S/740 II DM50 D9 48/60A	LED20	1		BGP203
34902100	BGP203 LED30-4S/740 I DM50 D9 48/60A	LED30	2		BGP203
34903800	BGP203 LED30-4S/740 II DM50 D9 48/60A	LED30	2		BGP203
34904500	BGP203 LED45-4S/740 I DM50 D9 48/60A	LED45	2		BGP203
34905200	BGP203 LED45-4S/740 II DM50 D9 48/60A	LED45	2		BGP203
34906900	BGP203 LED59-4S/740 I DM50 D9 48/60A	LED59	2		BGP203
34907600	BGP203 LED59-4S/740 II DM50 D9 48/60A	LED59	2		BGP203
34908300	BGP203 LED79-4S/740 I DM50 D9 48/60A	LED79	2		BGP203
34909000	BGP203 LED79-4S/740 II DM50 D9 48/60A	LED79	2		BGP203

Order Code	Full Product Name	Initial luminous flux
37237100	BGP204 LED90-4S/740 I DM50 D9 48/60A	7740 lm
37238800	BGP204 LED90-4S/740 II DM50 D9 48/60A	7740 lm
34898700	BGP203 LED16-4S/740 I DM50 D9 48/60A	1376 lm
34899400	BGP203 LED16-4S/740 II DM50 D9 48/60A	1376 lm
34900700	BGP203 LED20-4S/740 I DM50 D9 48/60A	1720 lm
34901400	BGP203 LED20-4S/740 II DM50 D9 48/60A	1720 lm
34902100	BGP203 LED30-4S/740 I DM50 D9 48/60A	2580 lm
34903800	BGP203 LED30-4S/740 II DM50 D9 48/60A	2580 lm
34904500	BGP203 LED45-4S/740 I DM50 D9 48/60A	3825 lm
34905200	BGP203 LED45-4S/740 II DM50 D9 48/60A	3825 lm
34906900	BGP203 LED59-4S/740 I DM50 D9 48/60A	5100 lm
34907600	BGP203 LED59-4S/740 II DM50 D9 48/60A	5100 lm
34908300	BGP203 LED79-4S/740 I DM50 D9 48/60A	6800 lm
34909000	BGP203 LED79-4S/740 II DM50 D9 48/60A	6800 lm

