



Versatile and cost-efficient LED lighting

ClearWay gen2

ClearWay gen2 enables you to enjoy the benefits of LED technology right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimize your Total Cost of Ownership. ClearWay gen2 significantly improves the most important aspects of the street lighting experience compared to conventional lighting. Ideal for new streets and for renovating existing installations, this affordable range of lighting solutions combines clean, high quality light with significant energy and maintenance savings. In short, ClearWay gen2 means good quality light with all the added benefits of LED – energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design, which makes it easier to install.

Benefits

- All benefits packaged in one single luminaire architecture
- Easy to install
- Low initial cost
- Reasonable Total Cost of Ownership
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- One flexible design variant offering different options depending on the needs of the application
- Compact and efficient design
- Tilt regulation without needing to open cover
- ClearWay gen2 is also equipped with a dedicated light recipes that preserves a dark night sky.

ClearWay gen2

Application

- Urban and residential roads
- Bicycle and pedestrian paths
- Minor roads

Specifications

Ambient Temperature	-40 to +50 °C
Beam spread luminaire	154° - 31° x 54°, 160° - 42° x 54°, 42° x 44°
Main color of the Luminaire	Gray
Connection	Push-in connector 5-pole (PI) (Push-in connector 5-pole (PI))
Dimming	No, yes
Driver	Power supply unit (PSU)
Initial LED luminaire efficacy	114, 116, 119, 122, 124, 125, 126, 127, 131, 132, 136, 138, 139, 140, 141, 143, 146, 147, 152 lm/W
Initial luminous flux	1584, 2175, 2250, 2610, 2670, 2958, 3045, 3080, 3115, 3520, 3560, 3960, 4005, 4698, 4752, 6020, 6160, 7134, 7308, 8600, 9460, 10200 lm

Input frequency	50 to 60 Hz
Input voltage	220 to 240 V
Light source color	740 neutral white
Light source replaceable	Yes
Material	Housing: aluminum die-cast
Optic	Distribution medium, distribution medium 11, distribution medium 50
Surge protection	Philips standard surge protection level kV
Tilt angle housing	Standard tilt angle posttop: 0°Standard tilt angle side entry: 0°
Type	BGP307

Versions



ClearWay gen2 - LED Module
2500 lm - 740 neutral white -
Safety class I - Distribution
medium - Universal for diameter
48 to 60 mm adjustable



ClearWay gen2 - LED module 1800
lm - 740 neutral white - Safety
class I - Distribution medium 50 -
Universal for diameter 48 to 60
mm adjustable

Approval and Application

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

General Information

CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Number of gear units	1 unit
Product Family Code	BGP307

Initial Performance (IEC Compliant)

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

Light Technical

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

Mechanical and Housing

Color	Gray
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Application Conditions

Order Code	Full Product Name	Maximum dim level
98772800	BGP307 LED25/740 I DM 48/60S	Not applicable
98773500	BGP307 LED30/740 I DM 48/60S	Not applicable
98774200	BGP307 LED35/740 I DM 48/60S	Not applicable
98775900	BGP307 LED40/740 I DM 48/60S	Not applicable
98776600	BGP307 LED45/740 I DM 48/60S	Not applicable
98777300	BGP307 LED54/740 I DM 48/60S	Not applicable
98778000	BGP307 LED69/740 I DM 48/60S	Not applicable
98779700	BGP307 LED84/740 I DM 48/60S	Not applicable
98780300	BGP307 LED99/740 I DM 48/60S	Not applicable
98781000	BGP307 LED109/740 I DM 48/60S	Not applicable
98784100	BGP307 LED25/740 II DM 48/60S	Not applicable
98785800	BGP307 LED30/740 II DM 48/60S	Not applicable
98786500	BGP307 LED35/740 II DM 48/60S	Not applicable
98787200	BGP307 LED40/740 II DM 48/60S	Not applicable
98788900	BGP307 LED45/740 II DM 48/60S	Not applicable
98789600	BGP307 LED54/740 II DM 48/60S	Not applicable
98790200	BGP307 LED69/740 II DM 48/60S	Not applicable
98791900	BGP307 LED84/740 II DM 48/60S	Not applicable
98792600	BGP307 LED99/740 II DM 48/60S	Not applicable
98793300	BGP307 LED109/740 II DM 48/60S	Not applicable
98795700	BGP307 LED18-4S/740 I DM50 48/60S	Not applicable
98796400	BGP307 LED25-4S/740 I DM50 48/60S	Not applicable
98797100	BGP307 LED30-4S/740 I DM50 48/60S	Not applicable
98798800	BGP307 LED35-4S/740 I DM50 48/60S	Not applicable
98799500	BGP307 LED40-4S/740 I DM50 48/60S	Not applicable
98800800	BGP307 LED45-4S/740 I DM50 48/60S	Not applicable
98801500	BGP307 LED54-4S/740 I DM50 48/60S	Not applicable
98802200	BGP307 LED69-4S/740 I DM50 48/60S	Not applicable
98803900	BGP307 LED84-4S/740 I DM50 48/60S	Not applicable
98804600	BGP307 LED99-4S/740 I DM50 48/60S	Not applicable
98805300	BGP307 LED109-4S/740 I DM50 48/60S	Not applicable
98806000	BGP307 LED120-4S/740 I DM50 48/60S	Not applicable
98697400	BGP307 LED18-4S/740 II DM50 48/60S	Not applicable
98698100	BGP307 LED25-4S/740 II DM50 48/60S	Not applicable
98699800	BGP307 LED30-4S/740 II DM50 48/60S	Not applicable
98700100	BGP307 LED35-4S/740 II DM50 48/60S	Not applicable
98701800	BGP307 LED40-4S/740 II DM50 48/60S	Not applicable
98702500	BGP307 LED45-4S/740 II DM50 48/60A	Not applicable
98703200	BGP307 LED54-4S/740 II DM50 48/60S	Not applicable
98704900	BGP307 LED69-4S/740 II DM50 48/60S	Not applicable
98705600	BGP307 LED84-4S/740 II DM50 48/60S	Not applicable
98706300	BGP307 LED99-4S/740 II DM50 48/60S	Not applicable
98707000	BGP307 LED109-4S/740 II DM50 48/60S	Not applicable
98708700	BGP307 LED120-4S/740 II DM50 48/60S	Not applicable
99630000	BGP307 LED35-4S/740 I DM11 48/76S	Not applicable
99632400	BGP307 LED120-4S/740 I DM11 48/76S	Not applicable
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	0% (digital)
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	0% (digital)

Controls and Dimming

Order Code	Full Product Name	Dimmable
98772800	BGP307 LED25/740 I DM 48/60S	No
98773500	BGP307 LED30/740 I DM 48/60S	No
98774200	BGP307 LED35/740 I DM 48/60S	No
98775900	BGP307 LED40/740 I DM 48/60S	No
98776600	BGP307 LED45/740 I DM 48/60S	No
98777300	BGP307 LED54/740 I DM 48/60S	No
98778000	BGP307 LED69/740 I DM 48/60S	No
98779700	BGP307 LED84/740 I DM 48/60S	No
98780300	BGP307 LED99/740 I DM 48/60S	No
98781000	BGP307 LED109/740 I DM 48/60S	No
98784100	BGP307 LED25/740 II DM 48/60S	No
98785800	BGP307 LED30/740 II DM 48/60S	No
98786500	BGP307 LED35/740 II DM 48/60S	No
98787200	BGP307 LED40/740 II DM 48/60S	No
98788900	BGP307 LED45/740 II DM 48/60S	No
98789600	BGP307 LED54/740 II DM 48/60S	No
98790200	BGP307 LED69/740 II DM 48/60S	No
98791900	BGP307 LED84/740 II DM 48/60S	No
98792600	BGP307 LED99/740 II DM 48/60S	No
98793300	BGP307 LED109/740 II DM 48/60S	No
98795700	BGP307 LED18-4S/740 I DM50 48/60S	No
98796400	BGP307 LED25-4S/740 I DM50 48/60S	No
98797100	BGP307 LED30-4S/740 I DM50 48/60S	No
98798800	BGP307 LED35-4S/740 I DM50 48/60S	No

Order Code	Full Product Name	Dimmable
98799500	BGP307 LED40-4S/740 I DM50 48/60S	No
98800800	BGP307 LED45-4S/740 I DM50 48/60S	No
98801500	BGP307 LED54-4S/740 I DM50 48/60S	No
98802200	BGP307 LED69-4S/740 I DM50 48/60S	No
98803900	BGP307 LED84-4S/740 I DM50 48/60S	No
98804600	BGP307 LED99-4S/740 I DM50 48/60S	No
98805300	BGP307 LED109-4S/740 I DM50 48/60S	No
98806000	BGP307 LED120-4S/740 I DM50 48/60S	No
98697400	BGP307 LED18-4S/740 II DM50 48/60S	No
98698100	BGP307 LED25-4S/740 II DM50 48/60S	No
98699800	BGP307 LED30-4S/740 II DM50 48/60S	No
98700100	BGP307 LED35-4S/740 II DM50 48/60S	No
98701800	BGP307 LED40-4S/740 II DM50 48/60S	No
98702500	BGP307 LED45-4S/740 II DM50 48/60A	No
98703200	BGP307 LED54-4S/740 II DM50 48/60S	No
98704900	BGP307 LED69-4S/740 II DM50 48/60S	No
98705600	BGP307 LED84-4S/740 II DM50 48/60S	No
98706300	BGP307 LED99-4S/740 II DM50 48/60S	No
98707000	BGP307 LED109-4S/740 II DM50 48/60S	No
98708700	BGP307 LED120-4S/740 II DM50 48/60S	No
99630000	BGP307 LED35-4S/740 I DM11 48/76S	No
99632400	BGP307 LED120-4S/740 I DM11 48/76S	No
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	Yes
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	Yes

General Information (1/2)

Order Code	Full Product Name	Lamp			Optic type
		Luminaire light beam spread	family code	Lamp version	
98772800	BGP307 LED25/740 I DM 48/60S	42° x 44°	LED25	-	Distribution medium
98773500	BGP307 LED30/740 I DM 48/60S	42° x 44°	LED30	-	Distribution medium
98774200	BGP307 LED35/740 I DM 48/60S	42° x 44°	LED35	-	Distribution medium
98775900	BGP307 LED40/740 I DM 48/60S	42° x 44°	LED40	-	Distribution medium
98776600	BGP307 LED45/740 I DM 48/60S	42° x 44°	LED45	-	Distribution medium
98777300	BGP307 LED54/740 I DM 48/60S	42° x 44°	LED54	-	Distribution medium
98778000	BGP307 LED69/740 I DM 48/60S	42° x 44°	LED69	-	Distribution medium
98779700	BGP307 LED84/740 I DM 48/60S	42° x 44°	LED84	-	Distribution medium
98780300	BGP307 LED99/740 I DM 48/60S	42° x 44°	LED99	-	Distribution medium

Order Code	Full Product Name	Lamp			Optic type
		Luminaire light beam spread	family code	Lamp version	
98781000	BGP307 LED109/740 I DM 48/60S	42° x 44°	LED109	-	Distribution medium
98784100	BGP307 LED25/740 II DM 48/60S	42° x 44°	LED25	-	Distribution medium
98785800	BGP307 LED30/740 II DM 48/60S	42° x 44°	LED30	-	Distribution medium
98786500	BGP307 LED35/740 II DM 48/60S	42° x 44°	LED35	-	Distribution medium
98787200	BGP307 LED40/740 II DM 48/60S	42° x 44°	LED40	-	Distribution medium
98788900	BGP307 LED45/740 II DM 48/60S	42° x 44°	LED45	-	Distribution medium
98789600	BGP307 LED54/740 II DM 48/60S	42° x 44°	LED54	-	Distribution medium
98790200	BGP307 LED69/740 II DM 48/60S	42° x 44°	LED69	-	Distribution medium
98791900	BGP307 LED84/740 II DM 48/60S	42° x 44°	LED84	-	Distribution medium

Order Code	Full Product Name	Luminaire light beam spread	Lamp		Optic type
			family code	Lamp version	
98792600	BGP307 LED99/740 II DM 48/60S	42° x 44°	LED99	-	Distribution medium
98793300	BGP307 LED109/740 II DM 48/60S	42° x 44°	LED109	-	Distribution medium
98795700	BGP307 LED18-4S/740 I DM50 48/60S	154° - 31° x 54°	LED18	-	Distribution medium 50
98796400	BGP307 LED25-4S/740 I DM50 48/60S	154° - 31° x 54°	LED25	-	Distribution medium 50
98797100	BGP307 LED30-4S/740 I DM50 48/60S	154° - 31° x 54°	LED30	-	Distribution medium 50
98798800	BGP307 LED35-4S/740 I DM50 48/60S	154° - 31° x 54°	LED35	-	Distribution medium 50
98799500	BGP307 LED40-4S/740 I DM50 48/60S	154° - 31° x 54°	LED40	-	Distribution medium 50
98800800	BGP307 LED45-4S/740 I DM50 48/60S	154° - 31° x 54°	LED45	-	Distribution medium 50
98801500	BGP307 LED54-4S/740 I DM50 48/60S	154° - 31° x 54°	LED54	-	Distribution medium 50
98802200	BGP307 LED69-4S/740 I DM50 48/60S	154° - 31° x 54°	LED69	-	Distribution medium 50
98803900	BGP307 LED84-4S/740 I DM50 48/60S	154° - 31° x 54°	LED84	-	Distribution medium 50
98804600	BGP307 LED99-4S/740 I DM50 48/60S	154° - 31° x 54°	LED99	-	Distribution medium 50
98805300	BGP307 LED109-4S/740 I DM50 48/60S	154° - 31° x 54°	LED109	-	Distribution medium 50
98806000	BGP307 LED120-4S/740 I DM50 48/60S	154° - 31° x 54°	LED120	-	Distribution medium 50
98697400	BGP307 LED18-4S/740 II DM50 48/60S	154° - 31° x 54°	LED18	-	Distribution medium 50
98698100	BGP307 LED25-4S/740 II DM50 48/60S	154° - 31° x 54°	LED25	-	Distribution medium 50

Order Code	Full Product Name	Luminaire light beam spread	Lamp		Optic type
			family code	Lamp version	
98699800	BGP307 LED30-4S/740 II DM50 48/60S	154° - 31° x 54°	LED30	-	Distribution medium 50
98700100	BGP307 LED35-4S/740 II DM50 48/60S	154° - 31° x 54°	LED35	-	Distribution medium 50
98701800	BGP307 LED40-4S/740 II DM50 48/60S	154° - 31° x 54°	LED40	4S	Distribution medium 50
98702500	BGP307 LED45-4S/740 II DM50 48/60A	154° - 31° x 54°	LED45	-	Distribution medium 50
98703200	BGP307 LED54-4S/740 II DM50 48/60S	154° - 31° x 54°	LED54	-	Distribution medium 50
98704900	BGP307 LED69-4S/740 II DM50 48/60S	154° - 31° x 54°	LED69	-	Distribution medium 50
98705600	BGP307 LED84-4S/740 II DM50 48/60S	154° - 31° x 54°	LED84	-	Distribution medium 50
98706300	BGP307 LED99-4S/740 II DM50 48/60S	154° - 31° x 54°	LED99	-	Distribution medium 50
98707000	BGP307 LED109-4S/740 II DM50 48/60S	154° - 31° x 54°	LED109	-	Distribution medium 50
98708700	BGP307 LED120-4S/740 II DM50 48/60S	154° - 31° x 54°	LED120	-	Distribution medium 50
99630000	BGP307 LED35-4S/740 I DM11 48/76S	160° - 42° x 54°	LED35	-	Distribution medium 11
99632400	BGP307 LED120-4S/740 I DM11 48/76S	160° - 42° x 54°	LED120	-	Distribution medium 11
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	160° - 42° x 54°	LED35	-	Distribution medium 11
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	160° - 42° x 54°	LED84	-	Distribution medium 11

General Information (2/2)

Order Code	Full Product Name	Optical element	Service tag
98772800	BGP307 LED25/740 I DM 48/60S	-	Yes
98773500	BGP307 LED30/740 I DM 48/60S	-	Yes
98774200	BGP307 LED35/740 I DM 48/60S	-	-
98775900	BGP307 LED40/740 I DM 48/60S	-	-
98776600	BGP307 LED45/740 I DM 48/60S	-	-
98777300	BGP307 LED54/740 I DM 48/60S	-	-
98778000	BGP307 LED69/740 I DM 48/60S	-	-
98779700	BGP307 LED84/740 I DM 48/60S	-	-
98780300	BGP307 LED99/740 I DM 48/60S	-	-
98781000	BGP307 LED109/740 I DM 48/60S	No	-
98784100	BGP307 LED25/740 II DM 48/60S	-	Yes
98785800	BGP307 LED30/740 II DM 48/60S	-	-
98786500	BGP307 LED35/740 II DM 48/60S	-	-
98787200	BGP307 LED40/740 II DM 48/60S	-	Yes
98788900	BGP307 LED45/740 II DM 48/60S	-	-
98789600	BGP307 LED54/740 II DM 48/60S	-	-
98790200	BGP307 LED69/740 II DM 48/60S	-	-
98791900	BGP307 LED84/740 II DM 48/60S	-	-
98792600	BGP307 LED99/740 II DM 48/60S	-	-
98793300	BGP307 LED109/740 II DM 48/60S	VD	-
98795700	BGP307 LED18-4S/740 I DM50 48/60S	-	-
98796400	BGP307 LED25-4S/740 I DM50 48/60S	-	-
98797100	BGP307 LED30-4S/740 I DM50 48/60S	-	-
98798800	BGP307 LED35-4S/740 I DM50 48/60S	-	-

Order Code	Full Product Name	Optical element	Service tag
98799500	BGP307 LED40-4S/740 I DM50 48/60S	-	-
98800800	BGP307 LED45-4S/740 I DM50 48/60S	-	-
98801500	BGP307 LED54-4S/740 I DM50 48/60S	-	-
98802200	BGP307 LED69-4S/740 I DM50 48/60S	-	-
98803900	BGP307 LED84-4S/740 I DM50 48/60S	-	-
98804600	BGP307 LED99-4S/740 I DM50 48/60S	-	-
98805300	BGP307 LED109-4S/740 I DM50 48/60S	DF	-
98806000	BGP307 LED120-4S/740 I DM50 48/60S	-	-
98697400	BGP307 LED18-4S/740 II DM50 48/60S	-	Yes
98698100	BGP307 LED25-4S/740 II DM50 48/60S	-	Yes
98699800	BGP307 LED30-4S/740 II DM50 48/60S	-	-
98700100	BGP307 LED35-4S/740 II DM50 48/60S	-	-
98701800	BGP307 LED40-4S/740 II DM50 48/60S	-	-
98702500	BGP307 LED45-4S/740 II DM50 48/60A	-	-
98703200	BGP307 LED54-4S/740 II DM50 48/60S	-	-
98704900	BGP307 LED69-4S/740 II DM50 48/60S	-	-
98705600	BGP307 LED84-4S/740 II DM50 48/60S	-	-
98706300	BGP307 LED99-4S/740 II DM50 48/60S	-	-
98707000	BGP307 LED109-4S/740 II DM50 48/60S	-	-
98708700	BGP307 LED120-4S/740 II DM50 48/60S	-	-
99630000	BGP307 LED35-4S/740 I DM11 48/76S	-	-
99632400	BGP307 LED120-4S/740 I DM11 48/76S	DIA	-
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	-	-
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
98772800	BGP307 LED25/740 I DM 48/60S	2250 lm
98773500	BGP307 LED30/740 I DM 48/60S	2670 lm
98774200	BGP307 LED35/740 I DM 48/60S	3115 lm
98775900	BGP307 LED40/740 I DM 48/60S	3560 lm
98776600	BGP307 LED45/740 I DM 48/60S	4005 lm
98777300	BGP307 LED54/740 I DM 48/60S	4752 lm
98778000	BGP307 LED69/740 I DM 48/60S	6020 lm
98779700	BGP307 LED84/740 I DM 48/60S	7308 lm
98780300	BGP307 LED99/740 I DM 48/60S	8600 lm
98781000	BGP307 LED109/740 I DM 48/60S	9460 lm
98784100	BGP307 LED25/740 II DM 48/60S	2250 lm
98785800	BGP307 LED30/740 II DM 48/60S	2670 lm
98786500	BGP307 LED35/740 II DM 48/60S	3115 lm
98787200	BGP307 LED40/740 II DM 48/60S	3560 lm
98788900	BGP307 LED45/740 II DM 48/60S	4005 lm
98789600	BGP307 LED54/740 II DM 48/60S	4752 lm
98790200	BGP307 LED69/740 II DM 48/60S	6020 lm
98791900	BGP307 LED84/740 II DM 48/60S	7308 lm
98792600	BGP307 LED99/740 II DM 48/60S	8600 lm
98793300	BGP307 LED109/740 II DM 48/60S	9460 lm
98795700	BGP307 LED18-4S/740 I DM50 48/60S	1584 lm
98796400	BGP307 LED25-4S/740 I DM50 48/60S	2175 lm
98797100	BGP307 LED30-4S/740 I DM50 48/60S	2610 lm

Order Code	Full Product Name	Initial luminous flux
98798800	BGP307 LED35-4S/740 I DM50 48/60S	3080 lm
98799500	BGP307 LED40-4S/740 I DM50 48/60S	3520 lm
98800800	BGP307 LED45-4S/740 I DM50 48/60S	3960 lm
98801500	BGP307 LED54-4S/740 I DM50 48/60S	4698 lm
98802200	BGP307 LED69-4S/740 I DM50 48/60S	6160 lm
98803900	BGP307 LED84-4S/740 I DM50 48/60S	7308 lm
98804600	BGP307 LED99-4S/740 I DM50 48/60S	8600 lm
98805300	BGP307 LED109-4S/740 I DM50 48/60S	9460 lm
98806000	BGP307 LED120-4S/740 I DM50 48/60S	10200 lm
98697400	BGP307 LED18-4S/740 II DM50 48/60S	1584 lm
98698100	BGP307 LED25-4S/740 II DM50 48/60S	2175 lm
98699800	BGP307 LED30-4S/740 II DM50 48/60S	2610 lm
98700100	BGP307 LED35-4S/740 II DM50 48/60S	3080 lm
98701800	BGP307 LED40-4S/740 II DM50 48/60S	3520 lm
98702500	BGP307 LED45-4S/740 II DM50 48/60A	3960 lm
98703200	BGP307 LED54-4S/740 II DM50 48/60S	4698 lm
98704900	BGP307 LED69-4S/740 II DM50 48/60S	6160 lm
98705600	BGP307 LED84-4S/740 II DM50 48/60S	7308 lm
98706300	BGP307 LED99-4S/740 II DM50 48/60S	8600 lm
98707000	BGP307 LED109-4S/740 II DM50 48/60S	9460 lm
98708700	BGP307 LED120-4S/740 II DM50 48/60S	10200 lm
99630000	BGP307 LED35-4S/740 I DM11 48/76S	3045 lm
99632400	BGP307 LED120-4S/740 I DM11 48/76S	10200 lm

ClearWay gen2

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	2958 lm	99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	7134 lm

