



# 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 minimise 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 the benefits packaged into one single luminaire architecture
- Easy to install
- Low initial cost
- Reasonable Total Cost of Ownership
- Equipped with a 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 the cover
- ClearWay gen2 is also equipped with dedicated light recipes that preserve a dark night sky.

# ClearWay gen2

## Application

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

## Specifications

<b>Ambient Temperature</b>	-40 to +50 °C	<b>Input frequency</b>	50 to 60 Hz
<b>Beam spread luminaire</b>	154° - 31° x 54°, 42° x 44°	<b>Input voltage</b>	220 to 240 V
<b>Main colour of the luminaire</b>	Grey	<b>Light source colour</b>	740 neutral white
<b>Connection</b>	Push-in connector 5-pole (Push-in connector 5-pole)	<b>Light source replaceable</b>	Yes
<b>Dimming</b>	No, yes	<b>Material</b>	Housing: aluminium die-cast
<b>Driver</b>	Power supply unit with DynaDimmer (PSDD) Power supply unit (PSU)	<b>Optic</b>	Distribution medium, distribution medium 50
<b>Initial LED luminaire efficacy</b>	116, 122, 124, 125, 127, 133, 134, 137, 140, 141, 142, 143, 144, 146, 148, 152 lm/W	<b>Surge protection</b>	Philips standard surge protection level kV
<b>Initial luminous flux</b>	10200 lm, 1584 lm, 2175 lm, 2610 lm, 2670 lm, 3080 lm, 3115 lm, 3520 lm, 3560 lm, 3960 lm, 4005 lm, 4698 lm, 4752 lm, 6020 lm, 6160 lm, 7308 lm, 8600 lm, 9460 lm	<b>Tilt angle housing</b>	Standard tilt angle post-top: 0°Standard tilt angle side entry: 0°
		<b>Type</b>	BGP307

## Versions



ClearWay gen2 - LED Module 2500 lm



ClearWay gen2 - LED module 1800 lm

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Driver failure rate at 5000 h	0.5 %
<b>Approval and Application</b>	
Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Philips standard surge protection level kV
<b>General Information</b>	
CE mark	CE mark
Light source colour	740 neutral white
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Number of gear units	1 unit
Product Family Code	BGP307
<b>Initial Performance (IEC Compliant)</b>	
Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	70
<b>Light Technical</b>	
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0
<b>Mechanical and Housing</b>	
Colour	Grey

## Application Conditions

Order Code	Full Product Name	Maximum dim level
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
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
98804600	BGP307 LED99-4S/740 I DM50 48/60S	Not applicable
98805300	BGP307 LED109-4S/740 I DM50 48/60S	Not applicable
98698100	BGP307 LED25-4S/740 II DM50 48/60S	Not applicable
98705600	BGP307 LED84-4S/740 II DM50 48/60S	Not applicable
99608900	BGP307 LED18-4S/740 I DM50 DDF27 D18 48/	0% (digital)
99609600	BGP307 LED30-4S/740 I DM50 DDF27 D18 48/	0% (digital)
99610200	BGP307 LED35-4S/740 I DM50 DDF27 D18 48/	0% (digital)
99611900	BGP307 LED54-4S/740 I DM50 DDF27 D18 48/	0% (digital)
99612600	BGP307 LED69-4S/740 I DM50 DDF27 D18 48/	0% (digital)
99613300	BGP307 LED120-4S/740 I DM50 DDF27 D18 48	0% (digital)

## Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
98773500	BGP307 LED30/740 I DM 48/60S	No	98801500	BGP307 LED54-4S/740 I DM50 48/60S	No
98774200	BGP307 LED35/740 I DM 48/60S	No	98802200	BGP307 LED69-4S/740 I DM50 48/60S	No
98775900	BGP307 LED40/740 I DM 48/60S	No	98804600	BGP307 LED99-4S/740 I DM50 48/60S	No
98776600	BGP307 LED45/740 I DM 48/60S	No	98805300	BGP307 LED109-4S/740 I DM50 48/60S	No
98777300	BGP307 LED54/740 I DM 48/60S	No	98698100	BGP307 LED25-4S/740 II DM50 48/60S	No
98778000	BGP307 LED69/740 I DM 48/60S	No	98705600	BGP307 LED84-4S/740 II DM50 48/60S	No
98795700	BGP307 LED18-4S/740 I DM50 48/60S	No	99608900	BGP307 LED18-4S/740 I DM50 DDF27 D18 48/	Yes
98796400	BGP307 LED25-4S/740 I DM50 48/60S	No	99609600	BGP307 LED30-4S/740 I DM50 DDF27 D18 48/	Yes
98797100	BGP307 LED30-4S/740 I DM50 48/60S	No	99610200	BGP307 LED35-4S/740 I DM50 DDF27 D18 48/	Yes
98798800	BGP307 LED35-4S/740 I DM50 48/60S	No	99611900	BGP307 LED54-4S/740 I DM50 DDF27 D18 48/	Yes
98799500	BGP307 LED40-4S/740 I DM50 48/60S	No	99612600	BGP307 LED69-4S/740 I DM50 DDF27 D18 48/	Yes
98800800	BGP307 LED45-4S/740 I DM50 48/60S	No	99613300	BGP307 LED120-4S/740 I DM50 DDF27 D18 48	Yes

## General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Optical		Optic type
			cover/ lens type	Lamp family code	
98773500	BGP307 LED30/740 I DM 48/60S	42° x 44°	FG	LED30	Distribution medium
98774200	BGP307 LED35/740 I DM 48/60S	42° x 44°	FG	LED35	Distribution medium
98775900	BGP307 LED40/740 I DM 48/60S	42° x 44°	FG	LED40	Distribution medium
98776600	BGP307 LED45/740 I DM 48/60S	42° x 44°	FG	LED45	Distribution medium
98777300	BGP307 LED54/740 I DM 48/60S	42° x 44°	FG	LED54	Distribution medium
98778000	BGP307 LED69/740 I DM 48/60S	42° x 44°	FG	LED69	Distribution medium
98795700	BGP307 LED18-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED18	Distribution medium 50
98796400	BGP307 LED25-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED25	Distribution medium 50
98797100	BGP307 LED30-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED30	Distribution medium 50
98798800	BGP307 LED35-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED35	Distribution medium 50
98799500	BGP307 LED40-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED40	Distribution medium 50
98800800	BGP307 LED45-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED45	Distribution medium 50
98801500	BGP307 LED54-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED54	Distribution medium 50
98802200	BGP307 LED69-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED69	Distribution medium 50

Order Code	Full Product Name	Luminaire light beam spread	Optical		Optic type
			cover/ lens type	Lamp family code	
98804600	BGP307 LED99-4S/740 I DM50 48/60S	154° - 31° x 54°	FG	LED99	Distribution medium 50
98805300	BGP307 LED109-4S/740 I DM50 48/60S	154° - 31° x 54°	-	LED109	Distribution medium 50
98698100	BGP307 LED25-4S/740 II DM50 48/60S	154° - 31° x 54°	FG	LED25	Distribution medium 50
98705600	BGP307 LED84-4S/740 II DM50 48/60S	154° - 31° x 54°	FG	LED84	Distribution medium 50
99608900	BGP307 LED18-4S/740 I DM50 DDF27 D18 48/	154° - 31° x 54°	FG	LED18	Distribution medium 50
99609600	BGP307 LED30-4S/740 I DM50 DDF27 D18 48/	154° - 31° x 54°	FG	LED30	Distribution medium 50
99610200	BGP307 LED35-4S/740 I DM50 DDF27 D18 48/	154° - 31° x 54°	FG	LED35	Distribution medium 50
99611900	BGP307 LED54-4S/740 I DM50 DDF27 D18 48/	154° - 31° x 54°	FG	LED54	Distribution medium 50
99612600	BGP307 LED69-4S/740 I DM50 DDF27 D18 48/	154° - 31° x 54°	FG	LED69	Distribution medium 50
99613300	BGP307 LED120-4S/740 I DM50 DDF27 D18 48	154° - 31° x 54°	FG	LED120	Distribution medium 50

General Information (2/2)

Order Code	Full Product Name	Optical element
98773500	BGP307 LED30/740 I DM 48/60S	-
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	-
98795700	BGP307 LED18-4S/740 I DM50 48/60S	-
98796400	BGP307 LED25-4S/740 I DM50 48/60S	-

Order Code	Full Product Name	Optical element
98797100	BGP307 LED30-4S/740 I DM50 48/60S	-
98798800	BGP307 LED35-4S/740 I DM50 48/60S	-
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	-
98804600	BGP307 LED99-4S/740 I DM50 48/60S	-
98805300	BGP307 LED109-4S/740 I DM50 48/60S	DF

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Order Code	Full Product Name	Optical element
98698100	BGP307 LED25-4S/740 II DM50 48/60S	-
98705600	BGP307 LED84-4S/740 II DM50 48/60S	-
99608900	BGP307 LED18-4S/740 I DM50 DDF27 D18 48/	-
99609600	BGP307 LED30-4S/740 I DM50 DDF27 D18 48/	-

Order Code	Full Product Name	Optical element
99610200	BGP307 LED35-4S/740 I DM50 DDF27 D18 48/	-
99611900	BGP307 LED54-4S/740 I DM50 DDF27 D18 48/	-
99612600	BGP307 LED69-4S/740 I DM50 DDF27 D18 48/	-
99613300	BGP307 LED120-4S/740 I DM50 DDF27 D18 48	No

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
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
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
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

Order Code	Full Product Name	Initial luminous flux
98801500	BGP307 LED54-4S/740 I DM50 48/60S	4698 lm
98802200	BGP307 LED69-4S/740 I DM50 48/60S	6160 lm
98804600	BGP307 LED99-4S/740 I DM50 48/60S	8600 lm
98805300	BGP307 LED109-4S/740 I DM50 48/60S	9460 lm
98698100	BGP307 LED25-4S/740 II DM50 48/60S	2175 lm
98705600	BGP307 LED84-4S/740 II DM50 48/60S	7308 lm
99608900	BGP307 LED18-4S/740 I DM50 DDF27 D18 48/	1584 lm
99609600	BGP307 LED30-4S/740 I DM50 DDF27 D18 48/	2610 lm
99610200	BGP307 LED35-4S/740 I DM50 DDF27 D18 48/	3080 lm
99611900	BGP307 LED54-4S/740 I DM50 DDF27 D18 48/	4698 lm
99612600	BGP307 LED69-4S/740 I DM50 DDF27 D18 48/	6160 lm
99613300	BGP307 LED120-4S/740 I DM50 DDF27 D18 48	10200 lm

