



Versatile and cost-efficient LED lighting

ClearWay gen2

ClearWay Gen2 enables you to enjoy the benefits of LED technology for urban lighting 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 urban lighting. Ideal for new streets and for renovating existing installations, this affordable range of urban ClearWay lighting solutions combines clean design, 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

- A range of benefits packaged in one single luminaire architecture
- Easy to install
- Low initial cost
- Reasonable Total Cost of Ownership
- Signify Service tag (unique QR identification) for maintenance, installation and spare part information

Features

- One flexible design that offers different options depending on application needs
- Includes a dedicated light recipe that preserves dark night skies
- Compact and efficient design
- Tilt regulation with no need to open the cover

ClearWay gen2

Application

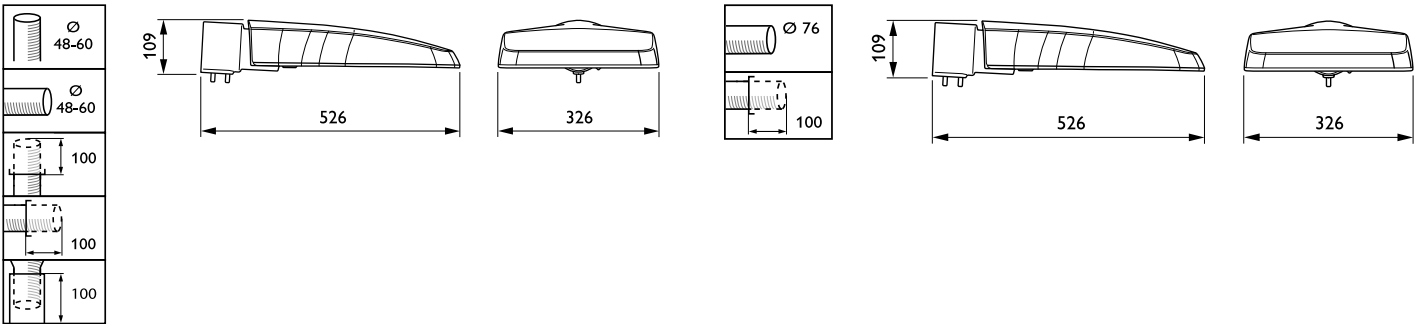
- Urban and residential roads
- Bicycle and pedestrian paths
- Minor roads
- Parking lots

Versions



ClearWay gen2 Core-BGP307

Dimensional drawing



General Information	
CE mark	Yes
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit
Product family code	BGP307
Light Technical	
Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Optical cover type	Flat glass
Color rendering index (CRI)	70
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0
Approval and Application	
Mech. impact protection code	IK09
Ingress protection code	IP66
Surge Protection (Common/ Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

General Information

Order Code	Full Product Name	Lamp family code	Service tag
98795700	BGP307 LED18-4S/740 I DM50 48/60S	LED18	-
98796400	BGP307 LED25-4S/740 I DM50 48/60S	LED25	-
98797100	BGP307 LED30-4S/740 I DM50 48/60S	LED30	-
98798800	BGP307 LED35-4S/740 I DM50 48/60S	LED35	-
98799500	BGP307 LED40-4S/740 I DM50 48/60S	LED40	-
98800800	BGP307 LED45-4S/740 I DM50 48/60S	LED45	-
98801500	BGP307 LED54-4S/740 I DM50 48/60S	LED54	-
98802200	BGP307 LED69-4S/740 I DM50 48/60S	LED69	-
98803900	BGP307 LED84-4S/740 I DM50 48/60S	LED84	-
98804600	BGP307 LED99-4S/740 I DM50 48/60S	LED99	-
98805300	BGP307 LED109-4S/740 I DM50 48/60S	LED109	-
98806000	BGP307 LED120-4S/740 I DM50 48/60S	LED120	-
98697400	BGP307 LED18-4S/740 II DM50 48/60S	LED18	Yes
98698100	BGP307 LED25-4S/740 II DM50 48/60S	LED25	Yes
98699800	BGP307 LED30-4S/740 II DM50 48/60S	LED30	-
98700100	BGP307 LED35-4S/740 II DM50 48/60S	LED35	-
98701800	BGP307 LED40-4S/740 II DM50 48/60S	LED40	-
98702500	BGP307 LED45-4S/740 II DM50 48/60A	LED45	-
98703200	BGP307 LED54-4S/740 II DM50 48/60S	LED54	-
98704900	BGP307 LED69-4S/740 II DM50 48/60S	LED69	-
98705600	BGP307 LED84-4S/740 II DM50 48/60S	LED84	-
98706300	BGP307 LED99-4S/740 II DM50 48/60S	LED99	-
98707000	BGP307 LED109-4S/740 II DM50 48/60S	LED109	-
98708700	BGP307 LED120-4S/740 II DM50 48/60S	LED120	-
99630000	BGP307 LED35-4S/740 I DM11 48/76S	LED35	-
99632400	BGP307 LED120-4S/740 I DM11 48/76S	LED120	-
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	LED35	-
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	LED99	-
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	LED84	-
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	LED69	-
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	LED84	Yes
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	LED130	Yes

Light Technical

Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
98795700	BGP307 LED18-4S/740 I DM50 48/60S	154° - 31° x 54°	1,584 lm	Distribution medium 50
98796400	BGP307 LED25-4S/740 I DM50 48/60S	154° - 31° x 54°	2,175 lm	Distribution medium 50
98797100	BGP307 LED30-4S/740 I DM50 48/60S	154° - 31° x 54°	2,610 lm	Distribution medium 50
98798800	BGP307 LED35-4S/740 I DM50 48/60S	154° - 31° x 54°	3,080 lm	Distribution medium 50
98799500	BGP307 LED40-4S/740 I DM50 48/60S	154° - 31° x 54°	3,520 lm	Distribution medium 50
98800800	BGP307 LED45-4S/740 I DM50 48/60S	154° - 31° x 54°	3,960 lm	Distribution medium 50
98801500	BGP307 LED54-4S/740 I DM50 48/60S	154° - 31° x 54°	4,698 lm	Distribution medium 50
98802200	BGP307 LED69-4S/740 I DM50 48/60S	154° - 31° x 54°	6,160 lm	Distribution medium 50

Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
98803900	BGP307 LED84-4S/740 I DM50 48/60S	154° - 31° x 54°	7,308 lm	Distribution medium 50
98804600	BGP307 LED99-4S/740 I DM50 48/60S	154° - 31° x 54°	8,600 lm	Distribution medium 50
98805300	BGP307 LED109-4S/740 I DM50 48/60S	154° - 31° x 54°	9,460 lm	Distribution medium 50
98806000	BGP307 LED120-4S/740 I DM50 48/60S	154° - 31° x 54°	10,200 lm	Distribution medium 50
98697400	BGP307 LED18-4S/740 II DM50 48/60S	154° - 31° x 54°	1,584 lm	Distribution medium 50
98698100	BGP307 LED25-4S/740 II DM50 48/60S	154° - 31° x 54°	2,175 lm	Distribution medium 50
98699800	BGP307 LED30-4S/740 II DM50 48/60S	154° - 31° x 54°	2,610 lm	Distribution medium 50
98700100	BGP307 LED35-4S/740 II DM50 48/60S	154° - 31° x 54°	3,080 lm	Distribution medium 50
98701800	BGP307 LED40-4S/740 II DM50 48/60S	154° - 31° x 54°	3,520 lm	Distribution medium 50
98702500	BGP307 LED45-4S/740 II DM50 48/60A	154° - 31° x 54°	3,960 lm	Distribution medium 50
98703200	BGP307 LED54-4S/740 II DM50 48/60S	154° - 31° x 54°	4,698 lm	Distribution medium 50
98704900	BGP307 LED69-4S/740 II DM50 48/60S	154° - 31° x 54°	6,160 lm	Distribution medium 50

Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
98705600	BGP307 LED84-4S/740 II DM50 48/60S	154° - 31° x 54°	7,308 lm	Distribution medium 50
98706300	BGP307 LED99-4S/740 II DM50 48/60S	154° - 31° x 54°	8,600 lm	Distribution medium 50
98707000	BGP307 LED109-4S/740 II DM50 48/60S	154° - 31° x 54°	9,460 lm	Distribution medium 50
98708700	BGP307 LED120-4S/740 II DM50 48/60S	154° - 31° x 54°	10,200 lm	Distribution medium 50
99630000	BGP307 LED35-4S/740 I DM11 48/76S	160° - 42° x 54°	3,045 lm	Distribution medium 11
99632400	BGP307 LED120-4S/740 I DM11 48/76S	160° - 42° x 54°	10,200 lm	Distribution medium 11
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	160° - 42° x 54°	2,958 lm	Distribution medium 11
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	160° - 42° x 54°	8,256 lm	Distribution medium 11
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	160° - 42° x 54°	7,134 lm	Distribution medium 11
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	160° - 42° x 54°	5,916 lm	Distribution medium 11
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	152° - 25° x 66°	6,972 lm	Distribution extra wide 10
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	160° - 42° x 54°	10,920 lm	Distribution medium 11

Operating and Electrical

Order Code	Full Product Name	Power Consumption
98795700	BGP307 LED18-4S/740 I DM50 48/60S	11.6 W
98796400	BGP307 LED25-4S/740 I DM50 48/60S	16.2 W
98797100	BGP307 LED30-4S/740 I DM50 48/60S	19.6 W
98798800	BGP307 LED35-4S/740 I DM50 48/60S	21.5 W
98799500	BGP307 LED40-4S/740 I DM50 48/60S	24.5 W
98800800	BGP307 LED45-4S/740 I DM50 48/60S	27.5 W
98801500	BGP307 LED54-4S/740 I DM50 48/60S	33.5 W
98802200	BGP307 LED69-4S/740 I DM50 48/60S	40.5 W
98803900	BGP307 LED84-4S/740 I DM50 48/60S	49.5 W
98804600	BGP307 LED99-4S/740 I DM50 48/60S	59 W
98805300	BGP307 LED109-4S/740 I DM50 48/60S	65 W

Order Code	Full Product Name	Power Consumption
98806000	BGP307 LED120-4S/740 I DM50 48/60S	72 W
98697400	BGP307 LED18-4S/740 II DM50 48/60S	11.6 W
98698100	BGP307 LED25-4S/740 II DM50 48/60S	16.2 W
98699800	BGP307 LED30-4S/740 II DM50 48/60S	19.6 W
98700100	BGP307 LED35-4S/740 II DM50 48/60S	21.5 W
98701800	BGP307 LED40-4S/740 II DM50 48/60S	24.5 W
98702500	BGP307 LED45-4S/740 II DM50 48/60A	27.5 W
98703200	BGP307 LED54-4S/740 II DM50 48/60S	33.5 W
98704900	BGP307 LED69-4S/740 II DM50 48/60S	40.5 W
98705600	BGP307 LED84-4S/740 II DM50 48/60S	49.5 W
98706300	BGP307 LED99-4S/740 II DM50 48/60S	59 W

Order Code	Full Product Name	Power Consumption
98707000	BGP307 LED109-4S/740 II DM50 48/60S	65 W
98708700	BGP307 LED120-4S/740 II DM50 48/60S	72 W
99630000	BGP307 LED35-4S/740 I DM11 48/76S	21.5 W
99632400	BGP307 LED120-4S/740 I DM11 48/76S	72 W
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	21 W

Order Code	Full Product Name	Power Consumption
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	56 W
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	48 W
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	39.5 W
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	49.5 W
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	79 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
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
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

Order Code	Full Product Name	Dimmable
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
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	Yes
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	Yes
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	Yes
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	No
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	Yes

Mechanical and Housing

Order Code	Full Product Name	Housing Color
98795700	BGP307 LED18-4S/740 I DM50 48/60S	Gray
98796400	BGP307 LED25-4S/740 I DM50 48/60S	Gray
98797100	BGP307 LED30-4S/740 I DM50 48/60S	Gray
98798800	BGP307 LED35-4S/740 I DM50 48/60S	Gray
98799500	BGP307 LED40-4S/740 I DM50 48/60S	Gray
98800800	BGP307 LED45-4S/740 I DM50 48/60S	Gray
98801500	BGP307 LED54-4S/740 I DM50 48/60S	Gray
98802200	BGP307 LED69-4S/740 I DM50 48/60S	Gray
98803900	BGP307 LED84-4S/740 I DM50 48/60S	Gray
98804600	BGP307 LED99-4S/740 I DM50 48/60S	Gray
98805300	BGP307 LED109-4S/740 I DM50 48/60S	Gray
98806000	BGP307 LED120-4S/740 I DM50 48/60S	Gray
98697400	BGP307 LED18-4S/740 II DM50 48/60S	Gray
98698100	BGP307 LED25-4S/740 II DM50 48/60S	Gray
98699800	BGP307 LED30-4S/740 II DM50 48/60S	Gray
98700100	BGP307 LED35-4S/740 II DM50 48/60S	Gray

Order Code	Full Product Name	Housing Color
98701800	BGP307 LED40-4S/740 II DM50 48/60S	Gray
98702500	BGP307 LED45-4S/740 II DM50 48/60A	Gray
98703200	BGP307 LED54-4S/740 II DM50 48/60S	Gray
98704900	BGP307 LED69-4S/740 II DM50 48/60S	Gray
98705600	BGP307 LED84-4S/740 II DM50 48/60S	Gray
98706300	BGP307 LED99-4S/740 II DM50 48/60S	Gray
98707000	BGP307 LED109-4S/740 II DM50 48/60S	Gray
98708700	BGP307 LED120-4S/740 II DM50 48/60S	Gray
99630000	BGP307 LED35-4S/740 I DM11 48/76S	Gray
99632400	BGP307 LED120-4S/740 I DM11 48/76S	Gray
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	Gray
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	Gray
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	Gray
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	Gray
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	Gray
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	Grey

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
98795700	BGP307 LED18-4S/740 I DM50 48/60S	0.5 %

Order Code	Full Product Name	Driver failure rate at 5000 h
98796400	BGP307 LED25-4S/740 I DM50 48/60S	0.5 %

Order Code	Full Product Name	Driver failure rate at 5000 h
98797100	BGP307 LED30-4S/740 I DM50 48/60S	0.5 %
98798800	BGP307 LED35-4S/740 I DM50 48/60S	0.5 %
98799500	BGP307 LED40-4S/740 I DM50 48/60S	0.5 %
98800800	BGP307 LED45-4S/740 I DM50 48/60S	0.5 %
98801500	BGP307 LED54-4S/740 I DM50 48/60S	0.5 %
98802200	BGP307 LED69-4S/740 I DM50 48/60S	0.5 %
98803900	BGP307 LED84-4S/740 I DM50 48/60S	0.5 %
98804600	BGP307 LED99-4S/740 I DM50 48/60S	0.5 %
98805300	BGP307 LED109-4S/740 I DM50 48/60S	0.5 %
98806000	BGP307 LED120-4S/740 I DM50 48/60S	0.5 %
98697400	BGP307 LED18-4S/740 II DM50 48/60S	0.5 %
98698100	BGP307 LED25-4S/740 II DM50 48/60S	0.5 %
98699800	BGP307 LED30-4S/740 II DM50 48/60S	0.5 %
98700100	BGP307 LED35-4S/740 II DM50 48/60S	0.5 %
98701800	BGP307 LED40-4S/740 II DM50 48/60S	0.5 %

Order Code	Full Product Name	Driver failure rate at 5000 h
98702500	BGP307 LED45-4S/740 II DM50 48/60A	0.5 %
98703200	BGP307 LED54-4S/740 II DM50 48/60S	0.5 %
98704900	BGP307 LED69-4S/740 II DM50 48/60S	0.5 %
98705600	BGP307 LED84-4S/740 II DM50 48/60S	0.5 %
98706300	BGP307 LED99-4S/740 II DM50 48/60S	0.5 %
98707000	BGP307 LED109-4S/740 II DM50 48/60S	0.5 %
98708700	BGP307 LED120-4S/740 II DM50 48/60S	0.5 %
99630000	BGP307 LED35-4S/740 I DM11 48/76S	0.5 %
99632400	BGP307 LED120-4S/740 I DM11 48/76S	0.5 %
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	0.5 %
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	-
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	-
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	-
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	-
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	0.5 %

Application Conditions

Order Code	Full Product Name	Maximum dim level
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

Order Code	Full Product Name	Maximum dim level
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)
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	0% (digital)
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	0% (digital)
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	0% (digital)
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	Not applicable
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	Not applicable

Polar Wide Diagrams

Polar Normal (separate) - BGP307I -
910925864604

Polar Normal (separate) - BGP307I -
910925864592

Polar Normal (separate) - BGP307I -
910925864597

Polar Wide Diagrams

Polar Normal (separate) - BGP307I -
910925864587

Polar Normal (separate) - BGP307I -
910925864586

Polar Normal (separate) - BGP307I -
910925864590

Polar Normal (separate) - BGP307I -
910925865134

Polar Normal (separate) - BGP307I -
910925865151

Polar Normal (separate) - BGP307I -
910925865551

Polar Normal (separate) - BGP307I -
910925864593

Polar Normal (separate) - BGP307I -
910925864595

Polar Normal (separate) - BGP307I -
910925864584

Polar Wide Diagrams

Polar Normal (separate) - BGP307I -
910925864588

Polar Normal (separate) - BGP307I -
910925864589

Polar Normal (separate) - BGP307I -
910925865153

Polar Normal (separate) - BGP307I -
910925865251

Polar Normal (separate) - BGP307I -
910925865245

Polar Normal (separate) - BGP307I -
910925865242

Polar Normal (separate) - BGP307I -
910925867804

