



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

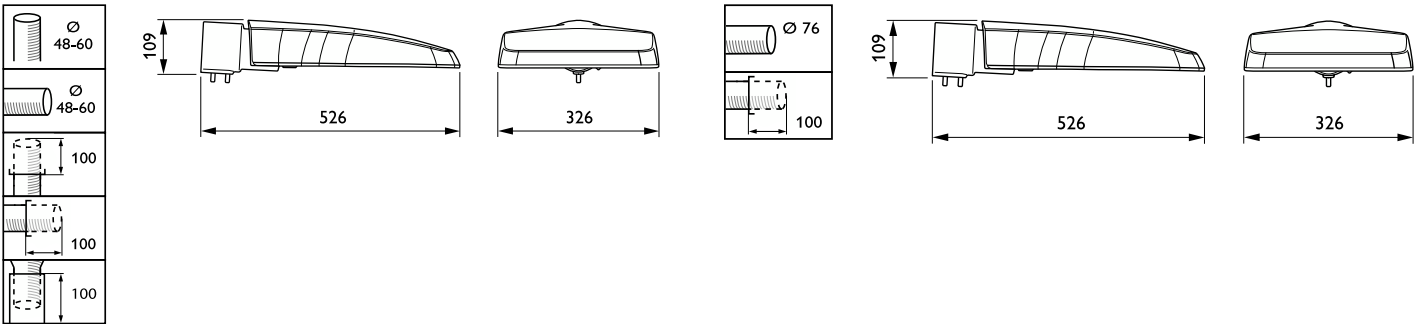
Versions



ClearWay gen2 Core-BGP307

Clearway gen2

Dimensional drawing



General Information	
Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Color rendering index (CRI)	70
Upward light output ratio	0
Operating and Electrical	
Surge Protection (Common/ Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode
Mechanical and Housing	
Optical cover type	Flat glass
Mech. impact protection code	IK09
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Approval and Application	
CE mark	Yes
Flammability mark	-
Product Data	
Product family code	BGP307

General Information

Order Code	Full Product Name	Lamp family code
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
98698100	BGP307 LED25-4S/740 II DM50 48/60S	LED25
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
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	LED130
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	LED120

Light Technical (1/2)

		Luminaire		Correlated	
Order Code	Full Product Name	light beam spread	Light source color	Temperature (Nom)	Luminous Flux
98795700	BGP307 LED18-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	1,584 lm
98796400	BGP307 LED25-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	2,175 lm
98797100	BGP307 LED30-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	2,610 lm
		Luminaire		Correlated	
Order Code	Full Product Name	light beam spread	Light source color	Temperature (Nom)	Luminous Flux
98798800	BGP307 LED35-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	3,080 lm
98799500	BGP307 LED40-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	3,520 lm
98800800	BGP307 LED45-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	3,960 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
98801500	BGP307 LED54-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	4,698 lm
98802200	BGP307 LED69-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	6,160 lm
98803900	BGP307 LED84-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	7,308 lm
98804600	BGP307 LED99-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	8,600 lm
98805300	BGP307 LED109-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	9,460 lm
98806000	BGP307 LED120-4S/740 I DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	10,200 lm
98697400	BGP307 LED18-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	1,584 lm
98698100	BGP307 LED25-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	2,175 lm
98699800	BGP307 LED30-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	2,610 lm
98700100	BGP307 LED35-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	3,080 lm
98701800	BGP307 LED40-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	3,520 lm
98702500	BGP307 LED45-4S/740 II DM50 48/60A	154° - 31° x 54°	740 neutral white	4000 K	3,960 lm
98703200	BGP307 LED54-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	4,698 lm
98704900	BGP307 LED69-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	6,160 lm
98705600	BGP307 LED84-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	7,308 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
98706300	BGP307 LED99-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	8,600 lm
98707000	BGP307 LED109-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	9,460 lm
98708700	BGP307 LED120-4S/740 II DM50 48/60S	154° - 31° x 54°	740 neutral white	4000 K	10,200 lm
99630000	BGP307 LED35-4S/740 I DM11 48/76S	160° - 42° x 54°	740 neutral white	4000 K	3,045 lm
99632400	BGP307 LED120-4S/740 I DM11 48/76S	160° - 42° x 54°	740 neutral white	4000 K	10,200 lm
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	160° - 42° x 54°	740 neutral white	4000 K	2,958 lm
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	160° - 42° x 54°	740 neutral white	4000 K	8,256 lm
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	160° - 42° x 54°	740 neutral white	4000 K	7,134 lm
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	160° - 42° x 54°	740 neutral white	4000 K	5,916 lm
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	152° - 25° x 66°	740 neutral white	4000 K	6,972 lm
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	160° - 42° x 54°	740 neutral white	4000 K	10,920 lm
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	160° - 42° x 54°	730 warm white	3000 K	9,890 lm

Light Technical (2/2)

Order Code	Full Product Name	Optic type outdoor
98795700	BGP307 LED18-4S/740 I DM50 48/60S	Distribution medium 50
98796400	BGP307 LED25-4S/740 I DM50 48/60S	Distribution medium 50
98797100	BGP307 LED30-4S/740 I DM50 48/60S	Distribution medium 50
98798800	BGP307 LED35-4S/740 I DM50 48/60S	Distribution medium 50
98799500	BGP307 LED40-4S/740 I DM50 48/60S	Distribution medium 50
98800800	BGP307 LED45-4S/740 I DM50 48/60S	Distribution medium 50
98801500	BGP307 LED54-4S/740 I DM50 48/60S	Distribution medium 50
98802200	BGP307 LED69-4S/740 I DM50 48/60S	Distribution medium 50
98803900	BGP307 LED84-4S/740 I DM50 48/60S	Distribution medium 50
98804600	BGP307 LED99-4S/740 I DM50 48/60S	Distribution medium 50
98805300	BGP307 LED109-4S/740 I DM50 48/60S	Distribution medium 50
98806000	BGP307 LED120-4S/740 I DM50 48/60S	Distribution medium 50
98697400	BGP307 LED18-4S/740 II DM50 48/60S	Distribution medium 50
98698100	BGP307 LED25-4S/740 II DM50 48/60S	Distribution medium 50
98699800	BGP307 LED30-4S/740 II DM50 48/60S	Distribution medium 50
98700100	BGP307 LED35-4S/740 II DM50 48/60S	Distribution medium 50
98701800	BGP307 LED40-4S/740 II DM50 48/60S	Distribution medium 50

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
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

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
98795700	BGP307 LED18-4S/740 I DM50 48/60S	No	Not applicable
98796400	BGP307 LED25-4S/740 I DM50 48/60S	No	Not applicable
98797100	BGP307 LED30-4S/740 I DM50 48/60S	No	Not applicable
98798800	BGP307 LED35-4S/740 I DM50 48/60S	No	Not applicable
98799500	BGP307 LED40-4S/740 I DM50 48/60S	No	Not applicable
98800800	BGP307 LED45-4S/740 I DM50 48/60S	No	Not applicable
98801500	BGP307 LED54-4S/740 I DM50 48/60S	No	Not applicable
98802200	BGP307 LED69-4S/740 I DM50 48/60S	No	Not applicable
98803900	BGP307 LED84-4S/740 I DM50 48/60S	No	Not applicable

Order Code	Full Product Name	Optic type outdoor
98702500	BGP307 LED45-4S/740 II DM50 48/60A	Distribution medium 50
98703200	BGP307 LED54-4S/740 II DM50 48/60S	Distribution medium 50
98704900	BGP307 LED69-4S/740 II DM50 48/60S	Distribution medium 50
98705600	BGP307 LED84-4S/740 II DM50 48/60S	Distribution medium 50
98706300	BGP307 LED99-4S/740 II DM50 48/60S	Distribution medium 50
98707000	BGP307 LED109-4S/740 II DM50 48/60S	Distribution medium 50
98708700	BGP307 LED120-4S/740 II DM50 48/60S	Distribution medium 50
99630000	BGP307 LED35-4S/740 I DM11 48/76S	Distribution medium 11
99632400	BGP307 LED120-4S/740 I DM11 48/76S	Distribution medium 11
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	Distribution medium 11
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	Distribution medium 11
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	Distribution medium 11
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	Distribution medium 11
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	Distribution extra wide 10
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	Distribution medium 11
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	Distribution medium 11

Order Code	Full Product Name	Power Consumption
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
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
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
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	73 W

Order Code	Full Product Name	Dimmable	Maximum dim level
98703200	BGP307 LED54-4S/740 II DM50 48/60S	No	Not applicable
98704900	BGP307 LED69-4S/740 II DM50 48/60S	No	Not applicable
98705600	BGP307 LED84-4S/740 II DM50 48/60S	No	Not applicable
98706300	BGP307 LED99-4S/740 II DM50 48/60S	No	Not applicable
98707000	BGP307 LED109-4S/740 II DM50 48/60S	No	Not applicable
98708700	BGP307 LED120-4S/740 II DM50 48/60S	No	Not applicable
99630000	BGP307 LED35-4S/740 I DM11 48/76S	No	Not applicable
99632400	BGP307 LED120-4S/740 I DM11 48/76S	No	Not applicable
99705500	BGP307 LED35-4S/740 II DM11 CLO 48/60S	No	0% (digital)
99720800	BGP307 LED99-4S/740 II DM11 CLO 48/60S	No	0% (digital)

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
98701800	BGP307 LED40-4S/740 II DM50 48/60S	Gray

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 %
98796400	BGP307 LED25-4S/740 I DM50 48/60S	0.5 %
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 %

Order Code	Full Product Name	Dimmable	Maximum dim level
99724600	BGP307 LED84-4S/740 II DM11 CLO-DDF1 D18	Yes	0% (digital)
99728400	BGP307 LED69-4S/740 II DM11 CLO-DDF2 D18	Yes	0% (digital)
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	No	Not applicable
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	Yes	Not applicable
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	Yes	0% (digital)

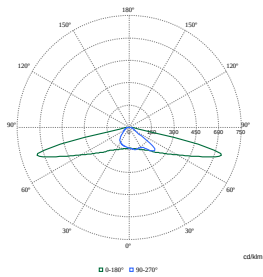
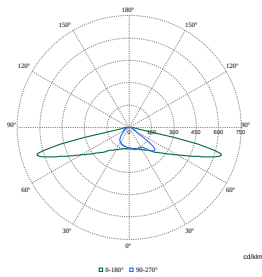
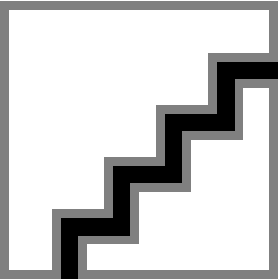
Order Code	Full Product Name	Housing Color
98702500	BGP307 LED45-4S/740 II DM50 48/60A	Gray
98703200	BGP307 LED54-4S/740 II DM50 48/60S	Gray
98704900	BGP307 LED69-4S/740 II DM50 48/60S	Gray
98705600	BGP307 LED84-4S/740 II DM50 48/60S	Gray
98706300	BGP307 LED99-4S/740 II DM50 48/60S	Gray
98707000	BGP307 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
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	Grey

Order Code	Full Product Name	Driver failure rate at 5000 h
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 %
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 %

Order Code	Full Product Name	Driver failure rate at 5000 h
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	-

Order Code	Full Product Name	Driver failure rate at 5000 h
11999400	BGP307 LED84-4S/740 II DX10 BL1 D11 48/7	-
44818900	BGP307 LED130-4S/740 I DM11 DDF2 D18 48/	0.5 %
70792400	BGP307 LED120-4S/730 II DM32 7042 MSP CL	-

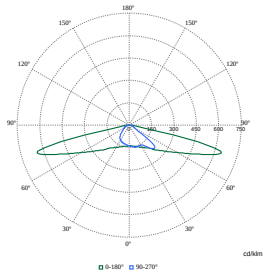
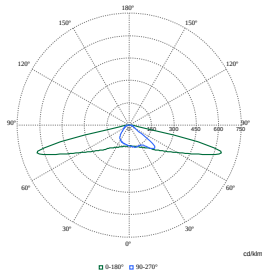
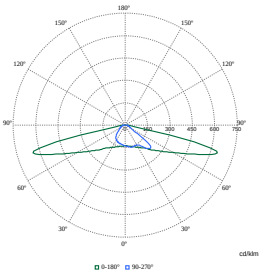
Polar Wide Diagrams



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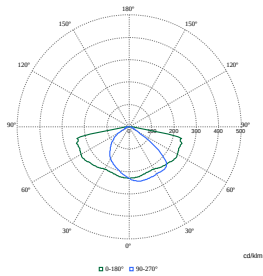
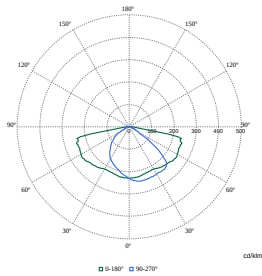
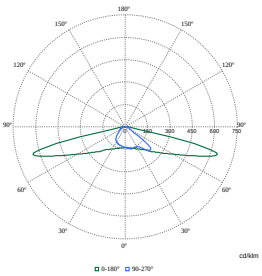
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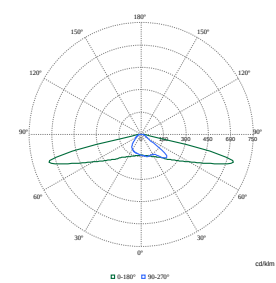


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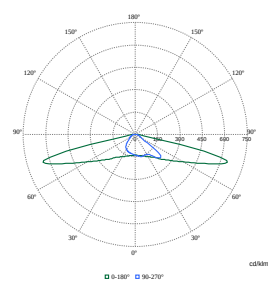
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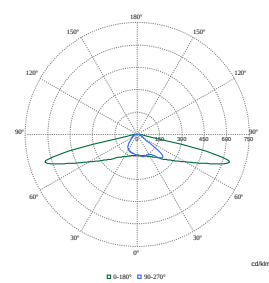
Polar Wide Diagrams



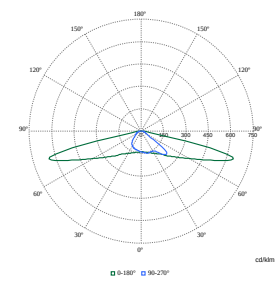
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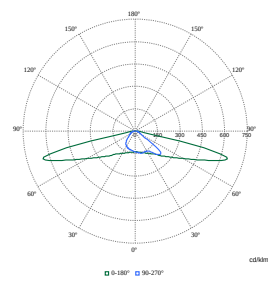
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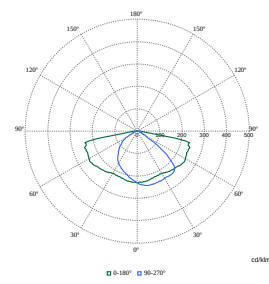
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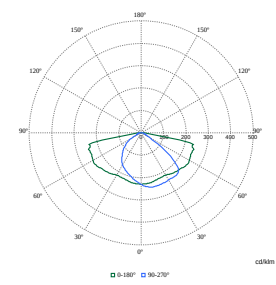
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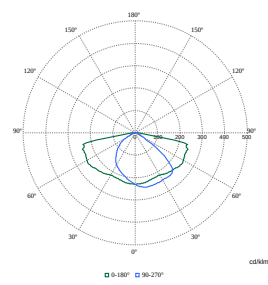
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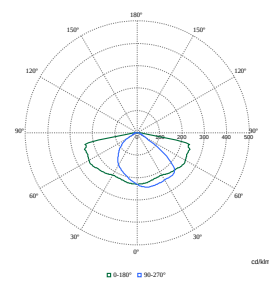
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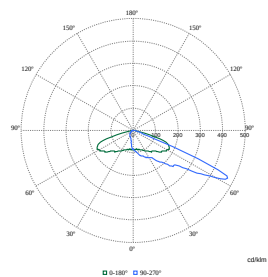


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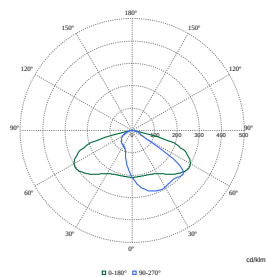


Polar Normal (separate) - BGP307I - 910925865242

Polar Wide Diagrams



Polar Normal (separate) - BGP307I -
910925867804



Polar Normal (separate) - BGP307I -
910925868941

