



# CityClassic gen2 – Classic design, in balance with today's requirements

## CityClassic gen2

A balanced, classic design, combined with the latest highly-efficient and future-ready connectivity technology, make CityClassic gen2 a decorative asset for any urban lighting application. Thanks to LED technology, today's luminaires reach very high energy and optical efficacy; CityClassic gen2 also offers the ultimate in design flexibility and functionality. The LEDGINE-O platform comes as standard with fluxes ranging from 600 up to 6500 lm, a choice of more than 30 optics and distributions, and different CCTs and CRIs. The result is fantastic performance and visual comfort, with the promise of future-ready connectivity options. You can also opt for the unique ClearGuide LED platform – a modern and decorative interpretation of the cylinder lantern with a horizontal lamp in a louver stack, that has become so popular. Dedicated Dark Sky versions with low ULR (<1%) requirements are also available. The CityClassic gen2 family is designed to be completely modular. There are two sizes, large and small, each with a matching size large canopy, or Torch versions with no canopy. It's also possible to mix and match different masts and brackets to suit the specific needs of your application. Installation is simple thanks to an IP-rated plug socket connector in the spigot. To make servicing and maintenance easy, or for future connectivity upgrades, the gear cover can be removed without tools using two stainless steel clips. The gear-tray is also easy to remove with two screws, making it quick and simple to (retro)fit a GentleBeam bowl for high lighting comfort and/or the BL2 backlight shielding louver.

## Benefits

- Balanced, timeless classic design.
- Visual lighting comfort versions available.
- Easy to install, tool-less opening and closing of lantern.
- Service tag.
- Optimized Dark Sky version complies with very low ULR requirements.

## Features

- Energy and optically-efficient LED technology
- Option to add diffuse GentleBeam comfort bowl and/or BL2 obtrusive backlight louver.
- Future-ready connectivity via Zhaga socket.
- LEDGINE-O LED platform with a wide range of optics to suit virtually any application
- Decorative ClearGuide LED platform optional.

## Application

- Residential streets.
- Urban areas e.g. squares, parks and plazas.
- Promenades, walkways, or cycle paths.
- Shopping areas.
- Office or industrial estates.

## Versions



CityClassic gen2, BDP510

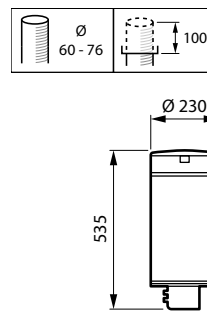
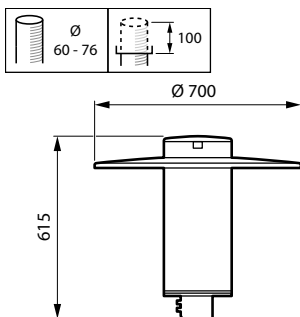


CityClassic gen2, BDP513

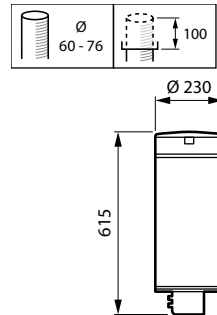
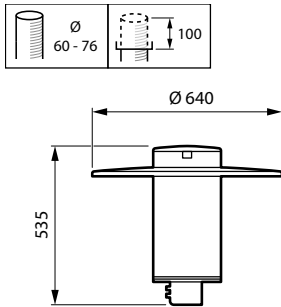


CityClassic gen2, BDP511

## Dimensional drawing



## Dimensional drawing



### General Information

|                          |        |
|--------------------------|--------|
| Driver included          | Yes    |
| Light source replaceable | Yes    |
| Number of gear units     | 1 unit |
| Service tag              | Yes    |

### Operating and Electrical

|                                        |                                                                          |
|----------------------------------------|--------------------------------------------------------------------------|
| Surge Protection (Common/Differential) | Surge protection level until 6 kV differential mode and 6 kV common mode |
|----------------------------------------|--------------------------------------------------------------------------|

### Controls and Dimming

|                   |     |
|-------------------|-----|
| Maximum dim level | 10% |
|-------------------|-----|

### Mechanical and Housing

|                                |                                      |
|--------------------------------|--------------------------------------|
| Optical cover type             | Polycarbonate bowl/cover transparent |
| Mech. impact protection code   | IK10                                 |
| Ingress protection code        | IP66                                 |
| Standard tilt angle side entry | -                                    |
| Standard tilt angle posttop    | 0°                                   |

### Approval and Application

|                   |                                             |
|-------------------|---------------------------------------------|
| CE mark           | Yes                                         |
| Flammability mark | For mounting on normally flammable surfaces |

### General Information

| Order Code   | Full Product Name                        | Lamp family code |
|--------------|------------------------------------------|------------------|
| 912300024995 | BDP510 LED24/740 DS50 CLO-DDF1 DGR CO 60 | LED24            |
| 912300024998 | BDP513 LED24/727 DM32 II DGR 60P         | LED24            |
| 912300060135 | BDP513 LED30/730 DM50 DGR 60P            | LED30            |
| 912300024994 | BDP510 LED24/740 DS50 CLO-DDF1 DGR 60P   | LED24            |
| 912300060133 | BDP510 LED24/730 DW50 DGR 60P            | LED24            |
| 912300060134 | BDP510 LED27/730 DS50 DGR 60P            | LED27            |
| 912300060140 | BDP510 LED20/730 DM12 II D11 GR-900 76P  | LED20            |
| 912300060141 | BDP510 LED30/740 DN10 II D24 DDF2 GR-900 | LED30            |
| 912300060142 | BDP510 LED24/830 DM12 BL2 II D11 GR-900  | LED24            |
| 912300060143 | BDP510 LED30/830 DM12 BL2 II D11 GR-900  | LED30            |
| 912300024996 | BDP511 LED24/740 DS50 II CLO-DDF1 DGR 60 | LED24            |
| 912300024997 | BDP512 LED24/727 DM32 II DGR 60P         | LED24            |
| 912300060288 | BDP512 LED40-4S/830 PSD-SR II DS50 GR CL | LED40            |
| 912300060289 | BDP512 LED40-4S/830 PSD-SR II DM33 GR CL | LED40            |
| 912300060291 | BDP512 LED30-4S/830 PSDD II DS50 GR MSP  | LED30            |
| 912300060292 | BDP512 LED30-4S/727 PSDD II DS50 GR MSP  | LED30            |

## Light Technical (1/2)

| Order Code   | Full Product Name                                 | Luminaire light beam spread | Light source color      | Correlated Color Temperature (Nom) | Color rendering index (CRI) |
|--------------|---------------------------------------------------|-----------------------------|-------------------------|------------------------------------|-----------------------------|
| 912300024995 | BDP510<br>LED24/740<br>DS50 CLO-DDF1<br>DGR CO 60 | 152° x 155°                 | 740<br>neutral<br>white | 4000 K                             | 70                          |
| 912300024998 | BDP513<br>LED24/727<br>DM32 II DGR<br>60P         | 4° - 58° x<br>149°          | 727 warm<br>white       | 2700 K                             | 70                          |
| 912300060135 | BDP513<br>LED30/730<br>DM50 DGR 60P               | 30° - 5° x<br>153°          | 730<br>warm<br>white    | 3000 K                             | 70                          |
| 912300024994 | BDP510<br>LED24/740<br>DS50 CLO-DDF1<br>DGR 60P   | 152° x 155°                 | 740<br>neutral<br>white | 4000 K                             | 70                          |
| 912300060133 | BDP510<br>LED24/730<br>DW50 DGR 60P               | 12° - 29° x<br>152°         | 730<br>warm<br>white    | 3000 K                             | 70                          |
| 912300060134 | BDP510<br>LED27/730 DS50<br>DGR 60P               | 152° x 155°                 | 730<br>warm<br>white    | 3000 K                             | 70                          |
| 912300060140 | BDP510<br>LED20/730<br>DM12 II D11<br>GR-900 76P  | 88° x 157°                  | 730<br>warm<br>white    | 3000 K                             | 70                          |
| 912300060141 | BDP510<br>LED30/740<br>DN10 II D24<br>DDF2 GR-900 | 12° - 59° x<br>158°         | 740<br>neutral<br>white | 4000 K                             | 70                          |
| 912300060142 | BDP510<br>LED24/830<br>DM12 BL2 II D11<br>GR-900  | 88° x 157°                  | 830<br>warm<br>white    | 3000 K                             | 80                          |

| Order Code   | Full Product Name                                 | Luminaire light beam spread | Light source color      | Correlated Color Temperature (Nom) | Color rendering index (CRI) |
|--------------|---------------------------------------------------|-----------------------------|-------------------------|------------------------------------|-----------------------------|
| 912300060143 | BDP510<br>LED30/830<br>DM12 BL2 II D11<br>GR-900  | 88° x 157°                  | 830<br>warm<br>white    | 3000 K                             | 80                          |
| 912300024996 | BDP511<br>LED24/740<br>DS50 II CLO-DDF1 DGR 60    | 152° x 155°                 | 740<br>neutral<br>white | 4000 K                             | 70                          |
| 912300024997 | BDP512<br>LED24/727<br>DM32 II DGR<br>60P         | 4° - 58° x<br>149°          | 727 warm<br>white       | 2700 K                             | 70                          |
| 912300060288 | BDP512<br>LED40-4S/830<br>PSD-SR II DS50<br>GR CL | 152° x 155°                 | 830<br>warm<br>white    | 3000 K                             | 80                          |
| 912300060289 | BDP512<br>LED40-4S/830<br>PSD-SR II DM33<br>GR CL | 4° - 57° x 149°             | 830<br>warm<br>white    | 3000 K                             | 80                          |
| 912300060291 | BDP512<br>LED30-4S/830<br>PSDD II DS50 GR<br>MSP  | 152° x 155°                 | 830<br>warm<br>white    | 3000 K                             | 80                          |
| 912300060292 | BDP512<br>LED30-4S/727<br>PSDD II DS50 GR<br>MSP  | 152° x 155°                 | 727 warm<br>white       | 2700 K                             | 70                          |

## Light Technical (2/2)

| Order Code   | Full Product Name                              | Luminous Flux | Optic type outdoor             | Upward light output ratio |
|--------------|------------------------------------------------|---------------|--------------------------------|---------------------------|
| 912300024995 | BDP510 LED24/740<br>DS50 CLO-DDF1 DGR<br>CO 60 | 2,040 lm      | Distribution<br>symmetrical 50 | 0.0204                    |
| 912300024998 | BDP513 LED24/727<br>DM32 II DGR 60P            | 1,992 lm      | Distribution<br>medium 32      | 0.0815                    |
| 912300060135 | BDP513 LED30/730<br>DM50 DGR 60P               | 2,430 lm      | Distribution<br>medium 50      | 0.0488                    |

| Order Code   | Full Product Name                            | Luminous Flux | Optic type outdoor             | Upward light output ratio |
|--------------|----------------------------------------------|---------------|--------------------------------|---------------------------|
| 912300024994 | BDP510 LED24/740<br>DS50 CLO-DDF1 DGR<br>60P | 2,040 lm      | Distribution<br>symmetrical 50 | 0.0204                    |
| 912300060133 | BDP510 LED24/730<br>DW50 DGR 60P             | 2,040 lm      | Distribution wide<br>50        | 0.0326                    |
| 912300060134 | BDP510 LED27/730<br>DS50 DGR 60P             | 2,295 lm      | Distribution<br>symmetrical 50 | 0.0204                    |
| 912300060140 | BDP510 LED20/730<br>DM12 II D11 GR-900 76P   | 1,660 lm      | Distribution<br>medium 12      | 0.0542                    |

| Order Code   | Full Product Name                              | Luminous | Optic type                     | Upward                   |
|--------------|------------------------------------------------|----------|--------------------------------|--------------------------|
|              |                                                | Flux     | outdoor                        | light<br>output<br>ratio |
| 912300060141 | BDP510 LED30/740<br>DN10 II D24 DDF2<br>GR-900 | 2,460 lm | Distribution<br>narrow 10      | 0.0672                   |
| 912300060142 | BDP510 LED24/830<br>DM12 BL2 II D11 GR-900     | 1,992 lm | Distribution<br>medium 12      | 0.0447                   |
| 912300060143 | BDP510 LED30/830<br>DM12 BL2 II D11 GR-900     | 2,460 lm | Distribution<br>medium 12      | 0.0447                   |
| 912300024996 | BDP511 LED24/740<br>DS50 II CLO-DDF1 DGR<br>60 | 2,064 lm | Distribution<br>symmetrical 50 | 0.0309                   |

Operating and Electrical

| Order Code   | Full Product Name                        | Power Consumption |
|--------------|------------------------------------------|-------------------|
| 912300024995 | BDP510 LED24/740 DS50 CLO-DDF1 DGR CO 60 | 14.8 W            |
| 912300024998 | BDP513 LED24/727 DM32 II DGR 60P         | 17.4 W            |
| 912300060135 | BDP513 LED30/730 DM50 DGR 60P            | 19.6 W            |
| 912300024994 | BDP510 LED24/740 DS50 CLO-DDF1 DGR 60P   | 14.8 W            |
| 912300060133 | BDP510 LED24/730 DW50 DGR 60P            | 15.8 W            |
| 912300060134 | BDP510 LED27/730 DS50 DGR 60P            | 17.6 W            |
| 912300060140 | BDP510 LED20/730 DM12 II D11 GR-900 76P  | 13.8 W            |
| 912300060141 | BDP510 LED30/740 DN10 II D24 DDF2 GR-900 | 18.4 W            |

Controls and Dimming

| Order Code   | Full Product Name                        | Dimmable |
|--------------|------------------------------------------|----------|
| 912300024995 | BDP510 LED24/740 DS50 CLO-DDF1 DGR CO 60 | Yes      |
| 912300024998 | BDP513 LED24/727 DM32 II DGR 60P         | No       |
| 912300060135 | BDP513 LED30/730 DM50 DGR 60P            | No       |
| 912300024994 | BDP510 LED24/740 DS50 CLO-DDF1 DGR 60P   | Yes      |
| 912300060133 | BDP510 LED24/730 DW50 DGR 60P            | No       |
| 912300060134 | BDP510 LED27/730 DS50 DGR 60P            | No       |
| 912300060140 | BDP510 LED20/730 DM12 II D11 GR-900 76P  | Yes      |
| 912300060141 | BDP510 LED30/740 DN10 II D24 DDF2 GR-900 | Yes      |

Mechanical and Housing

| Order Code   | Full Product Name                        | Housing Color |
|--------------|------------------------------------------|---------------|
| 912300024995 | BDP510 LED24/740 DS50 CLO-DDF1 DGR CO 60 | Anthracite    |
| 912300024998 | BDP513 LED24/727 DM32 II DGR 60P         | Anthracite    |
| 912300060135 | BDP513 LED30/730 DM50 DGR 60P            | Anthracite    |
| 912300024994 | BDP510 LED24/740 DS50 CLO-DDF1 DGR 60P   | Anthracite    |
| 912300060133 | BDP510 LED24/730 DW50 DGR 60P            | Anthracite    |
| 912300060134 | BDP510 LED27/730 DS50 DGR 60P            | Anthracite    |
| 912300060140 | BDP510 LED20/730 DM12 II D11 GR-900 76P  | Gray          |
| 912300060141 | BDP510 LED30/740 DN10 II D24 DDF2 GR-900 | Gray          |

Product Data

| Order Code   | Full Product Name                           | Luminous | Optic type                     | Upward                   |
|--------------|---------------------------------------------|----------|--------------------------------|--------------------------|
|              |                                             | Flux     | outdoor                        | light<br>output<br>ratio |
| 912300024997 | BDP512 LED24/727<br>DM32 II DGR 60P         | 2,016 lm | Distribution<br>medium 32      | 0.0577                   |
| 912300060288 | BDP512 LED40-4S/830<br>PSD-SR II DS50 GR CL | 3,280 lm | Distribution<br>symmetrical 50 | 0.0204                   |
| 912300060289 | BDP512 LED40-4S/830<br>PSD-SR II DM33 GR CL | 3,280 lm | Distribution<br>medium 33      | 0.0542                   |
| 912300060291 | BDP512 LED30-4S/830<br>PSDD II DS50 GR MSP  | 2,520 lm | Distribution<br>symmetrical 50 | 0.0204                   |
| 912300060292 | BDP512 LED30-4S/727<br>PSDD II DS50 GR MSP  | 2,490 lm | Distribution<br>symmetrical 50 | 0.0204                   |

| Order Code   | Full Product Name                        | Power Consumption |
|--------------|------------------------------------------|-------------------|
| 912300060142 | BDP510 LED24/830 DM12 BL2 II D11 GR-900  | 18.8 W            |
| 912300060143 | BDP510 LED30/830 DM12 BL2 II D11 GR-900  | 23.5 W            |
| 912300024996 | BDP511 LED24/740 DS50 II CLO-DDF1 DGR 60 | 14.8 W            |
| 912300024997 | BDP512 LED24/727 DM32 II DGR 60P         | 17.4 W            |
| 912300060288 | BDP512 LED40-4S/830 PSD-SR II DS50 GR CL | 31 W              |
| 912300060289 | BDP512 LED40-4S/830 PSD-SR II DM33 GR CL | 31 W              |
| 912300060291 | BDP512 LED30-4S/830 PSDD II DS50 GR MSP  | 23.5 W            |
| 912300060292 | BDP512 LED30-4S/727 PSDD II DS50 GR MSP  | 21.5 W            |

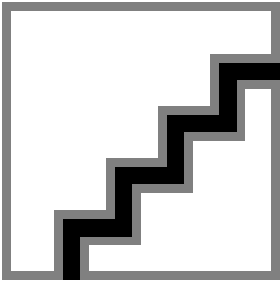
| Order Code   | Full Product Name                        | Dimmable |
|--------------|------------------------------------------|----------|
| 912300060142 | BDP510 LED24/830 DM12 BL2 II D11 GR-900  | Yes      |
| 912300060143 | BDP510 LED30/830 DM12 BL2 II D11 GR-900  | Yes      |
| 912300024996 | BDP511 LED24/740 DS50 II CLO-DDF1 DGR 60 | Yes      |
| 912300024997 | BDP512 LED24/727 DM32 II DGR 60P         | No       |
| 912300060288 | BDP512 LED40-4S/830 PSD-SR II DS50 GR CL | Yes      |
| 912300060289 | BDP512 LED40-4S/830 PSD-SR II DM33 GR CL | Yes      |
| 912300060291 | BDP512 LED30-4S/830 PSDD II DS50 GR MSP  | Yes      |
| 912300060292 | BDP512 LED30-4S/727 PSDD II DS50 GR MSP  | Yes      |

| Order Code   | Full Product Name                        | Housing Color |
|--------------|------------------------------------------|---------------|
| 912300060142 | BDP510 LED24/830 DM12 BL2 II D11 GR-900  | Gray          |
| 912300060143 | BDP510 LED30/830 DM12 BL2 II D11 GR-900  | Gray          |
| 912300024996 | BDP511 LED24/740 DS50 II CLO-DDF1 DGR 60 | Anthracite    |
| 912300024997 | BDP512 LED24/727 DM32 II DGR 60P         | Anthracite    |
| 912300060288 | BDP512 LED40-4S/830 PSD-SR II DS50 GR CL | Gray          |
| 912300060289 | BDP512 LED40-4S/830 PSD-SR II DM33 GR CL | Gray          |
| 912300060291 | BDP512 LED30-4S/830 PSDD II DS50 GR MSP  | Gray          |
| 912300060292 | BDP512 LED30-4S/727 PSDD II DS50 GR MSP  | Gray          |

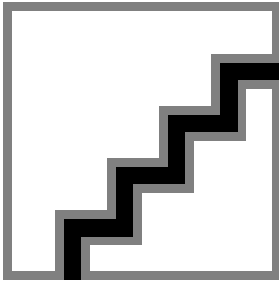
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|--------------|------------------------------------------|---------------------|
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| 912300024998 | BDP513 LED24/727 DM32 II DGR 60P         | BDP513              |
| 912300060135 | BDP513 LED30/730 DM50 DGR 60P            | BDP513              |
| 912300024994 | BDP510 LED24/740 DS50 CLO-DDF1 DGR 60P   | BDP510              |
| 912300060133 | BDP510 LED24/730 DW50 DGR 60P            | BDP510              |
| 912300060134 | BDP510 LED27/730 DS50 DGR 60P            | BDP510              |
| 912300060140 | BDP510 LED20/730 DM12 II D11 GR-900 76P  | BDP510              |
| 912300060141 | BDP510 LED30/740 DN10 II D24 DDF2 GR-900 | BDP510              |

| Order Code   | Full Product Name                        | Product family code |
|--------------|------------------------------------------|---------------------|
| 912300060142 | BDP510 LED24/830 DM12 BL2 II D11 GR-900  | BDP510              |
| 912300060143 | BDP510 LED30/830 DM12 BL2 II D11 GR-900  | BDP510              |
| 912300024996 | BDP511 LED24/740 DS50 II CLO-DDF1 DGR 60 | BDP511              |
| 912300024997 | BDP512 LED24/727 DM32 II DGR 60P         | BDP512              |
| 912300060288 | BDP512 LED40-4S/830 PSD-SR II DS50 GR CL | BDP512              |
| 912300060289 | BDP512 LED40-4S/830 PSD-SR II DM33 GR CL | BDP512              |
| 912300060291 | BDP512 LED30-4S/830 PSDD II DS50 GR MSP  | BDP512              |
| 912300060292 | BDP512 LED30-4S/727 PSDD II DS50 GR MSP  | BDP512              |

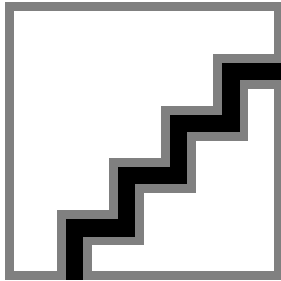
Polar Wide Diagrams



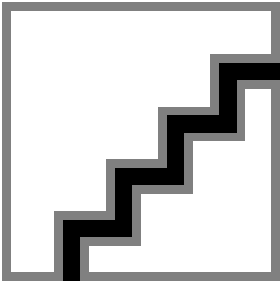
Polar Normal (separate) - BDP510I - 912300024997



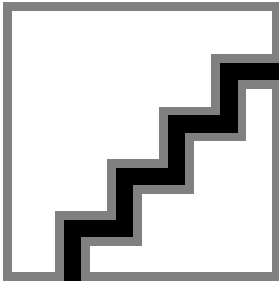
Polar Normal (separate) - BDP510I - 912300024998



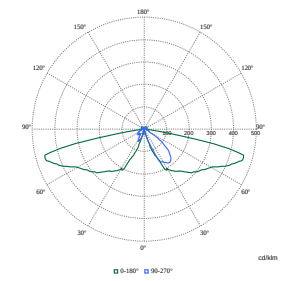
Polar Normal (separate) - BDP510I - 912300060133



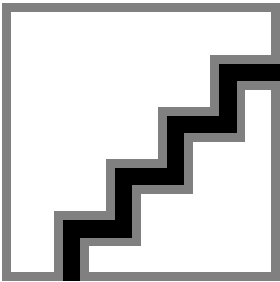
Polar Normal (separate) - BDP510I - 912300060134



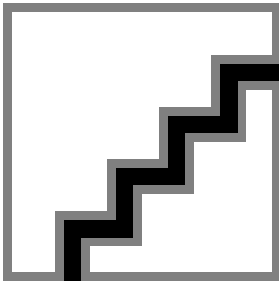
Polar Normal (separate) - BDP510I - 912300060135



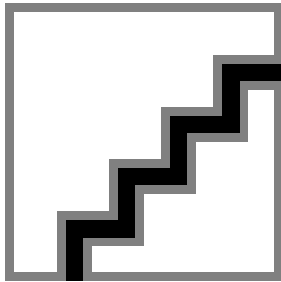
Polar Normal (separate) - BDP510I - 912300060140



Polar Normal (separate) - BDP510I - 912300060141

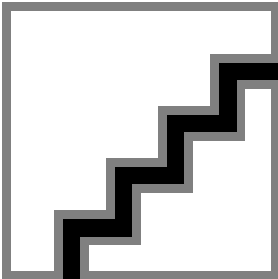


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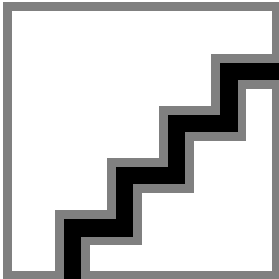


Polar Normal (separate) - null - 912300060288

Polar Wide Diagrams



Polar Normal (separate) - null - 912300060291



Polar Normal (separate) - null - 912300060292

