



TownGuide Core – Easy to choose, easy to use

TownGuide Core

The TownGuide Core family consists of two recognizable yet modern shapes: Flat Cone and Bowl. Both are available with either a clear or frosted bowl. Offering an extensive range of lumen packages and a choice of color temperatures, as well as a long lifetime and comparatively low power consumption, TownGuide Core is a choice that is easily made. TownGuide Core offers quick and easy installation. Thanks to the bayonet whistle connector located in the spigot, the luminaire does not have to be opened at all, saving valuable labor time. In the development of TownGuide Core, Philips has made every effort to ensure the investment required is as low as possible. And as TownGuide Core is a dedicated LED luminaire, the energy cost savings compared to conventional lighting are significant, making it a natural choice to replace HPL lamps, which are banned from 2015 onwards.

Benefits

- Recognizable yet modern design choices that blend in harmoniously with their surroundings
- State-of-the-art LEDs increase visual comfort for motorists, cyclists and pedestrians
- Considerable reduction in energy usage and carbon footprint compared to conventional lamps such as HPL mercury, SON-T and PL-L compact fluorescent lamps (for example, a reduction of up to 66% compared to HPL mercury)

Features

- Dedicated LED luminaire requiring low capital expenditure
- Wide choice of lumen packages, ranging from 2,000 up to 7,000 lumens (ECO)
- Choice of two light colors: 4000 K (neutral white) or 3000 K (warm white)
- Lifetime of 70,000 operating hours at L80B10
- Suitable for one-to-one retrofit replacement of luminaires in existing installations
- Bayonet whistle connector for easy installation without opening the luminaire
- Vandal-resistant (IK10), ingress protection (IP66)
- TailorFit PCB technology
- Standard 3-year warranty program

Application

- Residential areas: residential streets, cycle paths & footpaths, roundabouts, squares, parks & playgrounds, parking areas
- City centers: side streets, squares, parks & playgrounds, cycle paths & footpaths, roundabouts, parking areas, shopping & pedestrian areas
- Area and Transportation: industrial areas, parking areas, petrol stations, airports, harbors, public transport areas
- Sports: parking areas

Specifications

Type	BDP001 (flat cone version)
	BDP002 (bowl version)
Light source	Integral LED-module
Power	17 to 55 W depending on LED configuration and color temperature
Luminous flux	EconomyLine: 2000, 2500, 3000, 4000, 5000, 6000 or 7000 lm
Luminaire efficacy	87 to 108 lm/W (for clear bowl; 4000 K version)
Correlated Color	3000 K (warm white)
Temperature	4000 K (neutral white)
Color Rendering Index	≥ 80
Maintenance of lumen output - L80B10	70,000 hours at 25 °C
Operating temperature range	-20 to +35 °C
Driver	Philips Xitanium constant current driver, 1-10 V, purpose restricted by resistor to fixed output (no additional dimming possible)
Mains voltage	120-277 V / 50-60 Hz
Options	Class II version
	Mini photocell or NEMA socket

Optic	Distribution wide (DW) or symmetrical (DS)
Optical cover	Polycarbonate cover clear (PCC) or frosted (PCF)
Material	Canopy and spigot: high-pressure die-cast aluminum
	Cover: impact resistant UV stabilized polycarbonate
Color	Canopy: grey, RAL7035
	Spigot: sand blasted, unpainted
Connection	Bayonet whistle connector with integrated M20 gland
Maintenance	Maintenance in (local) workshop only
Installation	Post-top mounting: axial entry Ø 48-76 mm (48P, 62P or 76P)
	Recommended mounting height: 4-6 m
	Max SCx:
	- BDP001 (flat cone): 0.051 m² - BDP002 (bowl): 0.095 m²
Cable gland	M20, cable Ø 6-12 mm
Accessories	Special adapter for post top Ø 90 mm (in combination with Ø 62 mm spigot)

Versions

TownGuide Core BDP001 pedestrian
luminaire with clear bowl



TownGuide Core BDP001 pedestrian
luminaire with frosted bowl



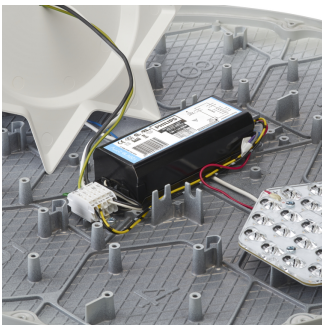
TownGuide Core BDP002 pedestrian
luminaire with clear bowl



TownGuide Core BDP002 pedestrian
luminaire with frosted bowl



Product details



Optimized outdoor gear for maximum
reliability



Choice of two lenses, DS (distribution
symmetric) and DW (distribution
wide), to suit the application



Whistle connector with integrated
gland for ease of installation



Fixation to the mast with two bolts,
perpendicular to the road axis

Application Conditions

Average ambient temperature	35 °C
Maximum dim level	Not applicable

Approval and Application

Mech. impact protection code	IK10
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Controls and Dimming

Dimmable	No
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General Information

CE mark	CE mark
Parts colour	Spigot raw
Coating	-
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	NO
Glow-wire test	650/5
Light source replaceable	Yes
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Init. Colour Rendering Index	80
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Light Technical

Standard tilt angle side entry	-
Standard tilt angle posttop	0°
Upward light output ratio	0.4

Mechanical and Housing

Colour	Gray
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Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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Operating and Electrical

Order Code	Full Product Name	Driver current
90600100	BDP001 ECO30/740 DW PCC GR 76P	277 mA
90601800	BDP001 ECO40/830 II DW PCC GR 62P	392 mA
90602500	BDP001 ECO60/740 DS PCF GR 76P	545 mA
90603200	BDP001 ECO50/830 II DS PCF GR 62P	452 mA
91044200	BDP001 ECO20/830 DS PCF GR 62P	-
91045900	BDP001 ECO30/830 DS PCF GR 62P	-
91046600	BDP001 ECO40/830 DS PCF GR 62P	-
90604900	BDP002 ECO30/740 DW PCC GR 76P	277 mA
90605600	BDP002 ECO40/830 II DW PCC GR 62P	392 mA
90606300	BDP002 ECO50/830 II DS PCF GR 62P	452 mA
91048000	BDP002 ECO30/830 DS PCF GR 62P	-
91049700	BDP002 ECO40/830 DS PCF GR 62P	-

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Optical cover/ lens type	Lamp family code
90600100	BDP001 ECO30/740 DW PCC GR 76P	50° x 70°	840 neutral white	PCC	ECO30
90601800	BDP001 ECO40/830 II DW PCC GR 62P	50° x 70°	830 warm white	PCC	ECO40
90602500	BDP001 ECO60/740 DS PCF GR 76P	75°	840 neutral white	PCF	ECO60
90603200	BDP001 ECO50/830 II DS PCF GR 62P	75°	830 warm white	PCF	ECO50
91044200	BDP001 ECO20/830 DS PCF GR 62P	75°	830 warm white	PCF	ECO20
91045900	BDP001 ECO30/830 DS PCF GR 62P	75°	830 warm white	PCF	ECO30

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Optical cover/ lens type	Lamp family code
91046600	BDP001 ECO40/830 DS PCF GR 62P	75°	830 warm white	PCF	ECO40
90604900	BDP002 ECO30/740 DW PCC GR 76P	50° x 70°	840 neutral white	PCC	ECO30
90605600	BDP002 ECO40/830 II DW PCC GR 62P	50° x 70°	830 warm white	PCC	ECO40
90606300	BDP002 ECO50/830 II DS PCF GR 62P	75°	830 warm white	PCF	ECO50
91048000	BDP002 ECO30/830 DS PCF GR 62P	75°	830 warm white	PCF	ECO30
91049700	BDP002 ECO40/830 DS PCF GR 62P	75°	830 warm white	PCF	ECO40

General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code
90600100	BDP001 ECO30/740 DW PCC GR 76P	2	Distribution wide	BDP001
90601800	BDP001 ECO40/830 II DW PCC GR 62P	2	Distribution wide	BDP001
90602500	BDP001 ECO60/740 DS PCF GR 76P	4	Distribution symmetrical	BDP001
90603200	BDP001 ECO50/830 II DS PCF GR 62P	4	Distribution symmetrical	BDP001
91044200	BDP001 ECO20/830 DS PCF GR 62P	2	Distribution symmetrical	BDP001
91045900	BDP001 ECO30/830 DS PCF GR 62P	2	Distribution symmetrical	BDP001

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code
91046600	BDP001 ECO40/830 DS PCF GR 62P	2	Distribution symmetrical	BDP001
90604900	BDP002 ECO30/740 DW PCC GR 76P	2	Distribution wide	BDP002
90605600	BDP002 ECO40/830 II DW PCC GR 62P	2	Distribution wide	BDP002
90606300	BDP002 ECO50/830 II DS PCF GR 62P	4	Distribution symmetrical	BDP002
91048000	BDP002 ECO30/830 DS PCF GR 62P	2	Distribution symmetrical	BDP002
91049700	BDP002 ECO40/830 DS PCF GR 62P	2	Distribution symmetrical	BDP002

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
90600100	BDP001 ECO30/740 DW PCC GR 76P	4000 K	2414 lm
90601800	BDP001 ECO40/830 II DW PCC GR 62P	3000 K	2930 lm
90602500	BDP001 ECO60/740 DS PCF GR 76P	4000 K	3626 lm
90603200	BDP001 ECO50/830 II DS PCF GR 62P	3000 K	2974 lm
91044200	BDP001 ECO20/830 DS PCF GR 62P	3000 K	1145 lm
91045900	BDP001 ECO30/830 DS PCF GR 62P	3000 K	2388 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
91046600	BDP001 ECO40/830 DS PCF GR 62P	3000 K	2277 lm
90604900	BDP002 ECO30/740 DW PCC GR 76P	4000 K	2524 lm
90605600	BDP002 ECO40/830 II DW PCC GR 62P	3000 K	3284 lm
90606300	BDP002 ECO50/830 II DS PCF GR 62P	3000 K	3204 lm
91048000	BDP002 ECO30/830 DS PCF GR 62P	3000 K	2388 lm
91049700	BDP002 ECO40/830 DS PCF GR 62P	3000 K	2277 lm

