



# 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

<b>Type</b>	BDP001 (flat cone version) BDP002 (bowl version)
<b>Light source</b>	Integral LED-module
<b>Power</b>	17 to 55 W depending on LED configuration and color temperature
<b>Luminous flux</b>	EconomyLine: 2000, 2500, 3000, 4000, 5000, 6000 or 7000 lm
<b>Luminaire efficacy</b>	87 to 108 lm/W (for clear bowl; 4000 K version)
<b>Correlated Color</b>	3000 K (warm white)
<b>Temperature</b>	4000 K (neutral white)
<b>Color Rendering Index</b>	≥ 80
<b>Lumen maintenance at median useful life* 75000 h</b>	min L80
<b>Control gear failure rate at median useful life 75000 h</b>	7.5%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-20 to +35 °C
<b>Driver</b>	Philips Xitanium constant current driver, 1-10 V, purpose restricted by resistor to fixed output (no additional dimming possible)

<b>Mains voltage</b>	120-277 V / 50-60 Hz
<b>Options</b>	Class II version Mini photocell or NEMA socket
<b>Optic</b>	Distribution wide (DW) or symmetrical (DS)
<b>Optical cover</b>	Polycarbonate cover clear (PCC) or frosted (PCF)
<b>Material</b>	Canopy and spigot: high-pressure die-cast aluminum Cover: impact resistant UV stabilized polycarbonate
<b>Color</b>	Canopy: grey, RAL7035 Spigot: sand blasted, unpainted
<b>Connection</b>	Bayonet whistle connector with integrated M20 gland
<b>Maintenance</b>	Maintenance in (local) workshop only
<b>Installation</b>	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 m <sup>2</sup> BDP002 (bowl): 0.095 m <sup>2</sup>
<b>Cable gland</b>	M20, cable Ø 6-12 mm
<b>Accessories</b>	Special adapter for post top Ø 90 mm (in combination with Ø 62 mm spigot)

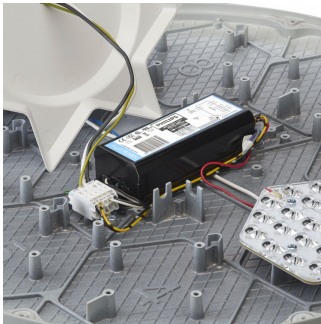
# TownGuide Core

## Versions

TownGuide Core BDP002 pedestrian luminaire with clear 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

