



# FreeStreet – feel free in your city

## FreeStreet

More and more municipalities want their urban spaces to be attractive, spacious and safe. But in our expanding towns and cities we see streets and pedestrian zones that, over time, have become crowded with all kinds of disparate elements – e.g. signage, light poles, outdoor advertising, street furniture – making them appear cluttered, restless and uninviting. Wouldn't it be great to regain public space and improve the accessibility and appearance of our streets? Practically invisible, our FreeStreet suspended lighting system represents a completely new vision of public lighting. Small, stable and lightweight, this state-of-the-art catenary LED solution delivers excellent lighting while blending in seamlessly with the look and feel of the area, making our streets and pedestrian precincts much more welcoming and accessible. FreeStreet is only available as a Turnkey project solution. Please contact your Philips representative for more information.

### Benefits

- Minimalist design of the light source – hardly visible by day
- Unique system design – first light source to be integrated into the cable design
- Maximized lighting quality for safety and visual comfort

### Features

- Design freedom to interact with the urban environment
- Physical and aesthetic de-cluttering: practically invisible during the day, and creating space to move
- One catenary cable for both suspension and mains power supply
- Extremely uniform light distribution

### Application

- City center streets
- City center squares
- Pedestrian zones

## Specifications

<b>Type</b>	BTP700	<b>Driver</b>	Separate driver in the control box Built-in driver in the luminaire
<b>Light source</b>	Integral LED module	<b>Mains voltage</b>	220–240 V / 50-60 Hz
<b>Power (+/-10%)</b>	Warm white: 21.5 W Neutral white: 17.3 W	<b>Inrush current</b>	10 A at t:90µ sec duration
<b>Beam angle</b>	48°	<b>Controls system input</b>	1-10 V
<b>Luminous flux</b>	Warm white: 1520 lm Neutral white: 1600 lm	<b>Optic</b>	Symmetrical wide beam
<b>Luminaire efficacy</b>	Up to 89 lm/W	<b>Optical element</b>	Wide street optic
<b>Correlated Color</b>	3000-4000 K	<b>Optical cover</b>	Polycarbonate bowl
<b>Temperature</b>		<b>Material</b>	Housing: high-pressure, die-cast aluminum, non-corrosive Optical cover: polycarbonate External driver box: stainless steel
<b>Color Rendering Index</b>	Warm white: 85 Neutral white: 70	<b>Color</b>	Canopy: ultra-dark grey (DGR) and black (BK)
<b>Lumen maintenance at median useful life* 75000 h</b>	min L80	<b>Maintenance</b>	3 screws from the top to open the luminaire housing
<b>Control gear failure rate at median useful life 75000 h</b>	7.5%	<b>Installation</b>	Dedicated catenary system Dedicated accessories available for different mounting possibilities Recommended mounting height: 4-8 m Max SCx: 0.019 m²
<b>Performance Ambient Temperature Tq</b>	+25 °C	<b>Remarks</b>	FreeStreet is only available as a Turnkey project solution. Please contact your Philips representative for more information.
<b>Operating temperature range</b>	-30 to +25°C		

## Versions

FreeStreet BTP700 suspended lighting system



## Product details



Accessories

Turnbuckle small

Ordercode 910925258612



Turnbuckle large

Ordercode 910925258712



Coupling piece Y-shape

Ordercode 910925258812



Bush

Ordercode 910925258912



Wall coupling piece

Ordercode 910925259012,  
910925259112



Coupling piece X-shape

Ordercode 910925259212,  
910925259312



Wedge

Ordercode 910925259412



**Application Conditions**

Maximum dim level	Not applicable
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**Approval and Application**

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	4/4 kV

**Controls and Dimming**

Dimmable	No
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**General Information**

Luminaire light beam spread	-
CE mark	CE mark
Coating	-
Optical cover/lens type	Polycarbonate bowl/cover clear
Design Award Winner mark	Design Award Winner 2011
Driver included	Yes
Flammability mark	-
Glow-wire test	Temperature 960 °C, duration 5 s
Light source replaceable	No
Number of gear units	-
Optic type	Wide beam
Product Family Code	BTP700
ReddotDesign Award Winner mark	Reddot Design Award Winner 2011

**Light Technical**

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

**General Information**

Order Code	Full Product Name	Light source color	Lamp family code
910925451212	BTP700 GRN15/830 BK	830 warm white	GRN15
910925451312	BTP700 GRN16/740 DGR	740 neutral white	GRN16
910925451412	BTP700 GRN16/740 BK	740 neutral white	GRN16
910925710712	BTP700 GRN15/830 DGR	830 warm white	GRN15

**Initial Performance (IEC Compliant)**

Order Code	Full Product Name	Init. Color		
		Init. Corr. Color Temperature	Rendering Index	Initial luminous flux
910925451212	BTP700 GRN15/830 BK	3000 K	80	2223 lm
910925451312	BTP700 GRN16/740 DGR	4000 K	70	1600 lm

Order Code	Full Product Name	Init. Color		
		Init. Corr. Color Temperature	Rendering Index	Initial luminous flux
910925451412	BTP700 GRN16/740 BK	4000 K	70	1600 lm
910925710712	BTP700 GRN15/830 DGR	3000 K	80	2223 lm

**Mechanical and Housing**

Order Code	Full Product Name	Color
910925451212	BTP700 GRN15/830 BK	Black
910925451312	BTP700 GRN16/740 DGR	Dark gray

Order Code	Full Product Name	Color
910925451412	BTP700 GRN16/740 BK	Black
910925710712	BTP700 GRN15/830 DGR	Dark gray

