



FreeStreet

BTP700 GRN16/740 BK

FreeStreet - LED GreenLine 1600 lm

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.

Product data

General Information			
Lamp family code	GRN16 [LED GreenLine 1600 lm]	Coating	-
Light source color	740 neutral white	Ready-to-install	-
Light source replaceable	No	Glow-wire test	Temperature 960 °C, duration 5 s
Number of gear units	-	Flammability mark	-
Driver/power unit/transformer	Power supply unit	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optical cover/lens type	Polycarbonate bowl/cover clear	Design Award Winner mark	Design Award Winner 2011
Luminaire light beam spread	-	Reddot Design Award Winner mark	Reddot Design Award Winner 2011
Control interface	-	Warranty period	3 years
Connection	-	Optic type outdoor	Wide beam
Cable	-	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically
Protection class IEC	Safety class I		

	there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB of 16 A type B	-
RoHS mark	RoHS mark
Light source engine type	LED
Product family code	BTP700 [FreeStreet]

Light Technical

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

Operating and Electrical

Input Voltage	48 V
Input Frequency	50 to 60 Hz
Inrush current	10 A
Inrush time	0.09 ms
Power Factor (Min)	-

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Mounting device	Catenary bracket for 1 wire
Optical cover/lens shape	Curved
Optical cover/lens finish	Clear
Overall length	440 mm
Overall width	75 mm
Overall height	65 mm
Effective projected area	0.019 m ²

Color	Black
-------	-------

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	4/4 kV

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	1600 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	92 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	17.3 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 75000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

Application Conditions

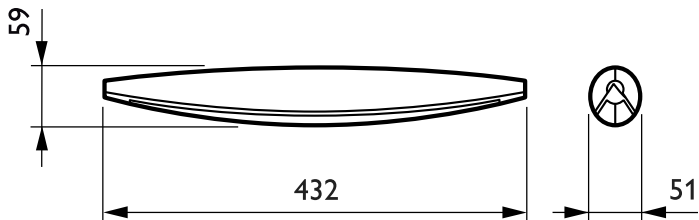
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Full product code	871829107425000
Order product name	BTP700 GRN16/740 BK
EAN/UPC - Product	8718291074250
Order code	910925451412
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925451412
Net Weight (Piece)	1.160 kg

FreeStreet

Dimensional drawing



FreeStreet BTP700

