FreeStreet

BTP700 GRN16/740 BK

VILLA LED, 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]
Light source replaceable	No
Number of gear units	–
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically 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
Light source engine type	LED
Product family code	BDP765 [VILLA LED]
Lighting Technology	LED
Glow-wire test	Temperature 960 °C, duration 5 s
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	3 years
EU RoHS compliant	Yes

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Light Technical

Upward light output ratio	0.4
Luminous Flux	1,600 lm
Standard tilt angle posttop	–
Standard tilt angle side entry	–
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	92 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	–
Optic type outdoor	Wide beam

Operating and Electrical

Input Voltage	48 V
Line Frequency	50 to 60 Hz
Inrush current	10 A
Inrush time	0.09 ms
Power Consumption	17.3 W
Connection	–
Cable	–
Number of products on MCB of 16 A type B	–

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	–
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	–
Housing Color	Black
Mounting device	Catenary bracket for 1 wire
Optical cover shape	Curved

Optical cover finish	Clear
Overall length	440 mm
Overall width	75 mm
Overall height	65 mm
Effective projected area	0.019 m²
Dimensions (Height x Width x Depth)	65 x 75 x 440 mm

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
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

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

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

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

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Dimensional drawing

59

432

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