



FreeStreet

BTP700 GRN16/740 DGR

VILLA LED, LED GreenLine 1600 lm

In most towns and cities we can see streets and pedestrian zones that, over time, have become crowded with all kinds of disparate elements – light poles, suspended luminaires, street furniture, etc. – making them appear cluttered, restless and uninviting. Wouldn't it be great to regain the 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 LED solution delivers excellent lighting without disturbing 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]		automatically dim down to protect components
Light source replaceable	No	Light source engine type	LED
Number of gear units	-	Product family code	BDP765 [VILLA LED]
Driver included	Yes	Lighting Technology	LED
Remarks	* - According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might	CE mark	Yes
		Warranty period	3 years
		Flammability mark	-
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 960 °C, duration 5 s
		EU RoHS compliant	Yes
Light Technical			
		Upwards light output ratio	0.4

Luminous Flux	1,600 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	-
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	92 lm/W
Colour rendering index (CRI)	70
Light source colour	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
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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	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	Dark grey
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 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 50,000 h	7.5 %
Lumen maintenance at median useful life* L80	75000 h

Application Conditions

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

Product Data

Order product name	BTP700 GRN16/740 DGR
Full product name	BTP700 GRN16/740 DGR
Full EOC	871829107424300
Order code	07424300
Material no. (12 NC)	910925451312
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291074243
Numerator – packs per outer box	1
EAN/UPC – Case	8718291074243

Dimensional drawing

