



# 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]
Light source replaceable	No
Number of gear units	-
Driver included	Yes
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

	automatically dim down to protect
	components
Light source engine type	LED
Product family code	BDP765 [VILLA LED]
Lighting Technology	LED
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

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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

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)

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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 7.5 % life 50,000 h

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

# 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	-

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Temperature	
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Ambient temperature range

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

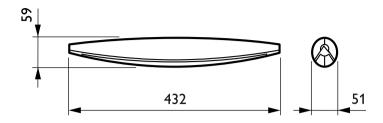
-40 to +50 °C

#### 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

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## Dimensional drawing





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