



FreeStreet

BTP700 GRN15/830 DGR

FreeStreet - LED GreenLine 1500 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		Ready-to-install	-
Lamp family code	GRN15 [LED GreenLine 1500 lm]	Glow-wire test	Temperature 960 °C, duration 5 s
Light source colour	830 warm white	Flammability mark	NO [-]
Light source replaceable	No	CE mark	CE mark
Number of gear units	-	ENEC mark	ENEC mark
Driver/power unit/transformer	PSU [Power supply unit]	Design award-winner marking	Design Award Winner 2011
Driver included	Yes	Red Dot Design Award winner mark	Reddot Design Award Winner 2011
Optical cover/lens type	PCC [Polycarbonate bowl/cover clear]	Warranty period	3 years
Luminaire light beam spread	-	Outdoor optic type	Wide beam
Control interface	-	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
Connection	-		
Cable	-		
Protection class IEC	Safety class I		
Coating	-		

	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	-
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BTP700 [FreeStreet]

Light Technical

Upward light output ratio	0.4
Standard tilt angle post-top	-
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
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Mechanical and Housing

Housing material	Aluminium
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
Colour	Dark Grey

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	2223 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	103 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	80
Initial chromaticity	(0.43, 0.40) SDCM <5
Initial input power	21.5 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

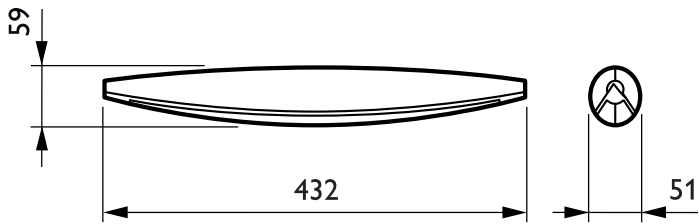
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871829104960900
Order product name	BTP700 GRN15/830 DGR
EAN/UPC – product	8718291049609
Order code	04960900
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925710712
Net weight (piece)	1.160 kg

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Dimensional drawing



FreeStreet BTP700

