



Get your city ready for the future with DigiStreet

DigiStreet Catenary

Philips DigiStreet Catenary is a new member of the DigiStreet Road & Street family, and it enables you to benefit from the same lighting quality, distinctive design and the advantages of connected lighting systems in applications requiring catenary solutions. Supporting Smart City initiatives, the full DigiStreet range can be equipped with two System Ready (SR) sockets to enable your city to opt in for existing and future controls, sensors and applications such as the Philips CityTouch remote light management system. In addition, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag, which is based on QR coding. With a simple scan of the QR code, which is located on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, throughout the luminaire's entire lifetime.

Benefits

- Prepared for the future, DigiStreet Catenary is easy to upgrade directly after installation or later with future CMS nodes and sensors to enable new functionalities
- Dedicated optics to match international road and street geometries
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Catenary solution within the DigiStreet Road & street family
- Option to equip with two SR sockets for easy upgradability to new functionalities
- Easy luminaire identification due to the Philips Service tag
- L-tune tool available
- Lifetime 100Khrs up to L96 at Tq +25 °C

Application

- Traffic routes and main access roads
- Urban areas
- City centers and main streets

Specifications

Type	BTP764 Catenary BSP764 Suspended
Light source	Built-in LED-module
Power	NW/CW 9.5 up to 148W, WW 11.6 up to 154W
Luminous flux system	Nominal flux NW/CW 1,400-24,000 lm, WW from 1,400 to 20,000 lm system flux NW/CW 1,250-21,600 lm, WW from 1,250 to 18,000 lm Or tailor flux using L-Tune software
Luminaire efficacy	NW/CW up to 158 lm/W, WW up to 126 lm/W
Correlated Color	Warm white (WW): 3000 K
Temperature	Neutral white (NW): 4000 K Cool white (CW): 5700 K
Color Rendering Index	min. 70 (for CW, NW) min. 80 (for WW)
Lumen maintenance at median useful life* 100000 h	up to L96
Control gear failure rate at median useful life 100000 h	10%
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-40 to +35 °C
Driver	Built-in (self-ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz
Inrush current	40W: 22 A/ 290 µs (max 20 drivers on CB 16A B type), SR 40W: 21A/ 300 µs (max 21 drivers on CB 16A B type) 75W: 46A/ 250 µs (max 11 drivers on CB 16A B type), SR 75W: 65A/ 330 µs (max 6 drivers on CB 16A B type) 150W: 53A/ 300 µs (max 8 drivers on CB 16A B type), SR 150W: 65A/ 330 µs (max 6 drivers on CB 16A B type)

Dimming	Stand alone DynaDimmer DALI
Options	Wired for SR (System Ready), mini Photocell or NEMA socket
Cable	Including cable
Optic	For BTP764: Narrow, medium, wide or extra wide road optics: DSM1 For FBSP764: Narrow, medium, wide or extra wide road optics: DN10, DN11, DM10, DM11, DM12, DM30, DM31, DM32, DM33, DM50, DM70, DW10, DW50, DX10, DX50, DX51, DS50, DX70, DPR1, DPL1
Optical cover	Flat cover, glass
Material housing	Die-cast aluminum, non corrosive (LM6 quality)
Cover	Tempered glass
Gear tray	Aluminum
Spigot	Die-cast aluminum
Colour	RAL 7022 for Philips Dark grey Other RAL or AKZO colors available on request
Connection	M20 cable gland with strain relief, for cable Ø 6-12 mm
Maintenance	Canopy open with a clip to access the gear tray hinges upwards and is secured by a stainless steel locking bar The Philips Service tag will help to identify the product and share all product information on the spot
Installation	Catenary, horizontal direction up to 90 degrees, in vertical direction
Max SCx	BTP764: 0.0180 m² BSP764: 0.0180 m²

DigiStreet Catenary

Versions



DigiStreet Catenary



DigiStreet Suspended

Product details



DigiStreet_Catenary-
BTP764-1DPP.tif



DigiStreet_Catenary-
BTP764-2DPP.tif



DigiStreet_Catenary-
BTP764-3DPP.tif



DigiStreet_Catenary-
BTP764-4DPP.tif



DigiStreet_Catenary-
BTP764-5DPP.tif



DigiStreet_Catenary-
BTP764-6DPP.tif

Product details



DigiStreet_Suspended-
BSP764-1DPP.tif



DigiStreet_Suspended-
BSP764-2DPP.tif

Application Conditions

Maximum dim level	10%
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Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

Controls and Dimming

Dimmable	Yes
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General Information

CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
Flammability mark	F
Lamp family code	LED64
Light source replaceable	Yes
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70

Light Technical

Standard tilt angle side entry	-
Standard tilt angle posttop	-
Upward light output ratio	0

Mechanical and Housing

Color	Aluminum
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General Information

Order Code	Full Product Name	Luminaire light beam		Product Family Code
		spread	Optic type	
45021200	BTP764 LED64-4S/740 DSW1 PSD-SR SRT SRB	-	Distribution symmetrical wide 1	BTP764
45022900	BSP764 LED64-4S/740 DW10 PSD-SR SRT SRB	52° - 7° x 151°	Distribution wide 10	BSP764

Initial Performance (IEC Compliant)

DigiStreet Catenary

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
45021200	BTP764 LED64-4S/740 DSW1 PSD-SR SRT SRB	5760 lm	45022900	BSP764 LED64-4S/740 DW10 PSD-SR SRT SRB	5888 lm

