



DigiStreet Catenary

BTP764 LED64-4S/740 DSW1 PSD-SR SRT SRB

DigiStreet Catenary, LED module 6400 lm, 740 neutral white, Safety class I, Distribution symmetrical wide 1, Aluminum, Luminaire surge protection level until 6 kV differential mode and 6 kV common mode, Catenary bracket

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.

Product data

General Information	
Lamp family code	LED64 [LED module 6400 lm]
Light source replaceable	Yes
Number of gear units	1 unit
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. Zhaga-D4i / SR compatibility: Luminaire prepared for D4i / SR drivers and Zhaga Book18 socket, offering a standardized futureproof platform for connectivity and sensors. For Zhaga-D4i / SR based luminaires only Zhaga-D4i / SR Certified components/sensors are to be used (see also: <https://www.zhagastandard.org/products/> <http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting>). Functional compatibility of 2 Zhaga-D4i / SR certified

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components/sensors to be used in combination as well as override possibility of any lineswitch function used in a SR based luminaire, is to be released by the master component/sensor supplier. For the use of NEMA 7pin socket on a Zhaga-D4i / SR based luminaire a full system verification is required. Not following these advises can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility. * At extreme ambient temperatures the luminaire might automatically dim down to protect components

Light source engine type	LED
Product family code	BTP764 [DigiStreet Catenary]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	6,400 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	152 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	-
Optic type outdoor	Distribution symmetrical wide 1

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	38 W
Power Factor (Fraction)	0.97
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	31

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
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Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Aluminum
Mounting device	Catenary bracket
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	580 mm
Overall width	530 mm
Overall height	86.5 mm
Effective projected area	0.037 m ²
Dimensions (Height x Width x Depth)	87 x 530 x 580 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382; 0.380) 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 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L98

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BTP764 LED64-4S/740 DSW1 PSD-SR SRT SRB
Full product name	BTP764 LED64-4S/740 DSW1 PSD-SR SRT SRB
Full product code	871869945021200

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Order code	45021200
Material Nr. (12NC)	912300023969
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699450212

Numerator - Packs per outer box	1
EAN/UPC - Case	8718699450212

Dimensional drawing

