TownTune Central Post-Top DTD

BDP263 LED74-4S/830 DW10 CLO SRTB 62P

TOWNTUNE CENTRAL POST-TOP DTD, LED module 7400 lm, LED, 830 warm white, Power supply unit with DALI and SystemReady interface, 220 to 240 V, 50 to 60 Hz, Safety class I, Distribution wide 10, Polycarbonate bowl/cover UV-resistant, Grey, Philips standard surge-protection level, Post-top for diameter 62 mm

Designed to enhance existing and scalable urban spaces, the Philips TownTune family offers all the latest lighting innovations in terms of performance, quality of light and connectivity. The family consists of four solutions: a Central Post Top (CPT), an Asymmetric Spigot Post Top/Side Entry version (ASY), a version with an extending Lyre post top bracket (Lyre) and a Central Post Top with a Conical Comfort Bowl (CCB). Each TownTune luminaire can be customised with a choice of different shapes on top of the housing, plus there's the option to add a decorative ring, which comes in two colours (excluding CCB). Design options that enable you to create your very own lighting signature and bring a distinctive identity to districts and cities. In addition, every luminaire in the TownTune family is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programming operations faster and easier and enables you to create your own digital library of lighting assets and spare parts. TownTune also uses the Philips LEDGINE-O lighting platform, ensuring that you always have the right amount and direction of light on your street. Furthermore, thanks to being system-ready (SR), TownTune is also future-proof. A solution that's ready to be paired with both standalone and advanced control and lighting software applications, such as Interact City.

TownTune Central Post-Top DTD

Product data

General Information

Lamp family code	LED74 [LED module 7400 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components *- 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. Zhaga-D4i/SR compatibility: luminaire prepared for D4i/SR drivers and the Zhaga Book18 socket, offering a standardised 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). The functional compatibility of 2 Zhaga-D4i/SR-certified) components/sensors to be used in combination, as well as override the possibility of any lineswitch function used in an 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 this advice can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility.
Light source engine type	LED
Product family code	BDP263 [TOWNTUNE CENTRAL POST-TOP DTD]
Lighting Technology	LED
Value ladder	Performance
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

Upwards light output ratio	0
Luminous Flux	5,180 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	–
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	98 lm/W

Colour rendering index (CRI)	>80
Light source colour	830 warm white
Optical cover type	Polycarbonate bowl/cover UV-resistant
Luminaire light beam spread	52° - 7° x 151°
Optic type outdoor	Distribution wide 10

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	53 W
Average CLO power consumption	54 W
End CLO power consumption	55 W
Inrush current	9.6 A
Inrush time	0.13 ms
Power Consumption	53 W
Power Factor (Fraction)	0.97
Connection	Internal connector
Cable	–
Number of products on MCB of 16 A type B	31

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface
Control interface	DALI
Constant light output	Yes

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Acrylate
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Post-top for diameter 62 mm
Optical cover/lens shape	Convex lens
Optical cover/lens finish	Clear
Overall height	313 mm
Overall diameter	477 mm
Effective projected area	0.082 m²

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]

TownTune Central Post-Top DTD

Surge Protection (Common/ Differential)	Philips standard surge-protection level
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.410, 0.390) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful life 100,000 h	0.1 %
Lumen maintenance at median useful life* 100,000 h	L100

Application Conditions

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

Product Data

Order product name	BDP263 LED74-4S/830 DW10 CLO SRTB 62P
Full product name	BDP263 LED74-4S/830 DW10 CLO SRTB 62P
Full EOC	871869949031700
Order code	49031700
Material no. (12 NC)	912300024162
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699490317
Numerator – packs per outer box	1
EAN/UPC – Case	8718699490317

Dimensional drawing