Philips Copenhagen City LED Gen2: comfortable, future-ready light for your city

Copenhagen City LED gen2 small

The original Copenhagen luminaire was co-designed with Copenhagen's Office of City Architecture in the 1960s with the aim of enhancing the aesthetic appeal of the city through lighting. This timeless luminaire design comes in two types: Copenhagen City LED Gen2 is for city and residential areas where light comfort is important; Copenhagen LED Gen2 delivers high performance for road lighting applications. The second generation of Copenhagen City LED offers a very comfortable light distribution with minimum glare, enabled by a round LED engine, which follows the shape of the luminaire. The opal canopy option provides even more ways to enhance the impact of lighting. It is also perfect for city branding as it can be used to create both static and dynamic uplight with any color of light. The luminaire comes with a variety of suspensions and optics, offering maximum freedom in lighting design for downtown and residential areas. A variety of dedicated brackets are also available to enable you to create a consistent lighting design across multiple applications. It is also available with one or two Zhaga-D4i (ZD4i) System Ready (SR) sockets, which makes the luminaire future ready. This means Copenhagen City LED Gen2 is ready to pair with advanced control and lighting software applications such as Interact, or sensors such as the Philips Outdoor Sensor Bundle (OSB). And because the top SR socket is integrated into the canopy, it has no impact on the beautiful, clean design of the luminaire. Furthermore, every Copenhagen City LED Gen2 BRS761, BRS762 and BRS763 luminaire 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

Copenhagen City LED gen2 small

luminaire. This makes maintenance and programing operations faster and easier and enables you to create a digital library of lighting assets and spare parts.

Benefits
· Unique aesthetic design with perfect LED integration and excellent finishing
· Very comfortable lighting with lifted LED engine, round shape, and optional satin diffuser
· City branding possibilities via static and dynamic uplight options in choice of colors
· Future-ready with Zhaga-D4i SR sockets to connect with Interact controls and sensors
· Easy installation and maintenance enabled by Service tag
· One coherent design concept for luminaires and brackets

Features
· 3 sizes to fit all mounting heights (small, large, and mega) and possibilities: side entry, post-top, catenary, or central fixing
· Choice of color temperatures and color rendering for different ambiences: 2200K, 2700K, 3000K and 4000K
· Efficacy up to 157 lm/W
· Marine salt protection
· 5-year standard warranty (option to extend up to 10 years)

Application
· Major city roads (mega and large versions)
· Downtown, city center streets (large)
· Residential streets, car parks, pedestrian places, and parks (small)

Specifications

Type	BRS761: Side entry		Accessories	Back light cover
	BPS771: ø60 mm post top			Satin diffuser
	BDS761: Center, 3/4" thread suspended		Ingress protection	IP66
	BSS761: Suspended/ Wire		Certification	CE
Material	Housing: PE			ENEC+
	Front glass: tempered glass, silk screen printed		Serviceability class	Class A
Installation	Side entry			
	ø60 mm post top			
	Center, 3/4" thread suspended			
	Suspended/ Wire			
Luminous flux	1800 lm to 11000 lm			
Correlated color temperature – CCT	722, 727, 730, 740, 827, 830, 840			
Luminaire efficacy	up to 157 lm/W			
Dimming	PSU: Non-dimmable power supply unit,			
	PSR: Dimmable driver with LineSwitch,			
	PSD: Dimmable Power supply unit with DALI interface (integrated),			
	PSA: Dimmable driver with AmpDim integrated,			
	PSDD: Dimmable driver Dynadim integrated,			
	PSD-SR: Power supply unit with DALI and SystemReady interface,			
	PSM: Power supply unit with Coded Mains integrated			

Copenhagen City LED gen2 small

Versions

Copenhagen City LED gen2 small
BSS761

Copenhagen LED gen2 large
centered

Small Copenhagen City LED gen2
with side entry adaptor diam 48
mm with top (hidden) and bottom
socket

Dimensional drawing
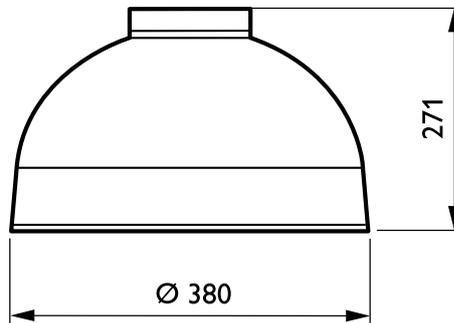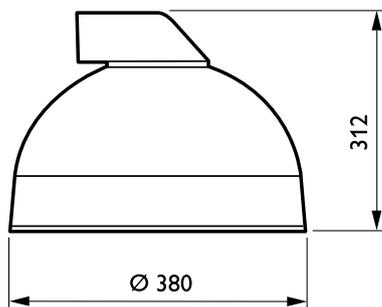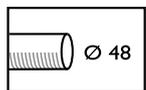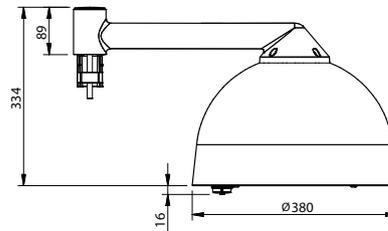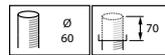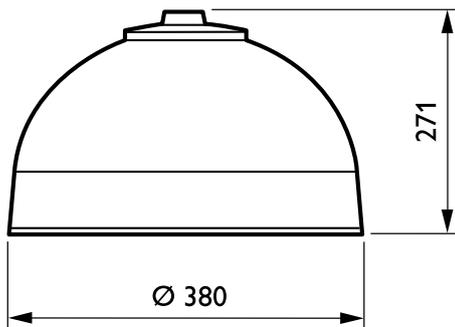
Copenhagen City LED gen2 small

Product details

Small Copenhagen LED gen2 and Copenhagen City LED gen2 Top System Ready socket location

Small Copenhagen City LED gen2 glass serigraphy

Small Copenhagen LED gen2 and Copenhagen City LED gen2 CityTouch node location

Small Copenhagen City LED gen2 canopy and glass flush transition

Small Copenhagen City LED gen2 glass serigraphy

Copenhagen City LED gen2 small

General Information

CE mark	Yes
Driver included	Yes
Flammability mark	–
Light source replaceable	Yes
Number of gear units	1 unit

Light Technical

Luminaire light beam spread	–
Light source color	830 warm white
Correlated Color Temperature (Nom)	3000 K
Optical cover type	Flat glass
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°

Controls and Dimming

Dimmable	Yes

Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP66

General Information

Order Code	Full Product Name	Lamp family code	Product family code
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	50S	BSS761
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	50S	BDS761
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	LED30	BRS761
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	LED50	BRS761
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	LED40	BRS761
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	LED40	BRS761
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	LED40	BPS771
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	LED40	BPS771
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	LED30	BRS761

Light Technical

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Flux	Optic type outdoor	Upward light output ratio
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	>80	4,116 lm	Metronomis distribution medium	0
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	>80	4,200 lm	Metronomis distribution medium	0
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	≥80	2,436 lm	Metronomis distribution wide	0
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	≥80	4,116 lm	Metronomis distribution wide	0
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	≥80	3,154 lm	Metronomis distribution wide	0

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Flux	Optic type outdoor	Upward light output ratio
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	≥80	3,154 lm	Metronomis distribution wide	0
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	80	3,192 lm	Metronomis distribution medium	0
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	80	3,192 lm	Metronomis distribution medium	0.5
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	≥80	2,670 lm	Distribution wet road (DK)	0

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	37 W
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	37.5 W
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	23.5 W
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	36.5 W

Order Code	Full Product Name	Power Consumption
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	31.5 W
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	31.5 W
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	31.5 W
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	31.5 W

Copenhagen City LED gen2 small

Order Code	Full Product Name	Power Consumption
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	24 W

Mechanical and Housing

Order Code	Full Product Name	Housing Color
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	White
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	White
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	White
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	White
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	White

Order Code	Full Product Name	Housing Color
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	Gray
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	Grey
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	Opal
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	White

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/ Differential)
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	Luminaire surge protection level until 6 kV differential mode and 10 kV common mode
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	Luminaire surge protection level until 6 kV differential mode and 10 kV common mode
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

Order Code	Full Product Name	Surge Protection (Common/ Differential)
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	Luminaire surge protection level until 6 kV differential mode and 10 kV common mode
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	Luminaire surge protection level until 6 kV differential mode and 10 kV common mode
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	–
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	–
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	0.01 %
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	0.01 %
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	–

Order Code	Full Product Name	Driver failure rate at 5000 h
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	–
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	–
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	–
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	0.01 %

Application Conditions

Order Code	Full Product Name	Maximum dim level
919008636277	BSS761 LED50/830IIGL-MDMCLO-SRTBSTDEC10K	10%
919008636276	BDS761 LED50/830II GL-MDM SRTB STDE C10K	10%
919008633848	BRS761 LED30/830II GL-MDW CLOLS850 C10K	50%
919008633849	BRS761 LED50/830 II GL-MDW CLOLS850 C10K	50%
919008634898	BRS761LED40/830II GL-MDW CLOLS850 C10K	–

Order Code	Full Product Name	Maximum dim level
919008635353	BRS761 LED40/830 II MDW GR CLOLS850 C10K	–
919008636732	BPS771 LED40/830II MDM CLO-SRTB C10K 60P	10%
919008636733	BPS771 LED40/830 II MDM GW CLO C10K 60P	10%
919008633846	BRS761 LED30/830 II GL-DK SRTB C10K	50%

Copenhagen City LED gen2 small

Polar Wide Diagrams

Polar Normal (separate) – BRS761I – 919008633846

Polar Normal (separate) – BRS761I – 919008633849

Polar Normal (separate) – BRS761I – 919008633848

Polar Normal (separate) – BRS761I – 919008635353

www.lighting.philips.com

2023, December 6 – data subject to change