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

Copenhagen City LED gen2 large & mega

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

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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
- Service tag for easy installation and maintenance

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)

Versions

Copenhagen City LED gen2 large centered

Copenhagen City LED gen2 large suspended with bottom socket

Copenhagen City LED gen2 mega centered
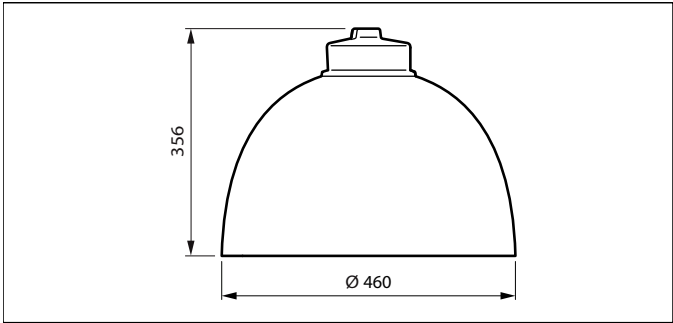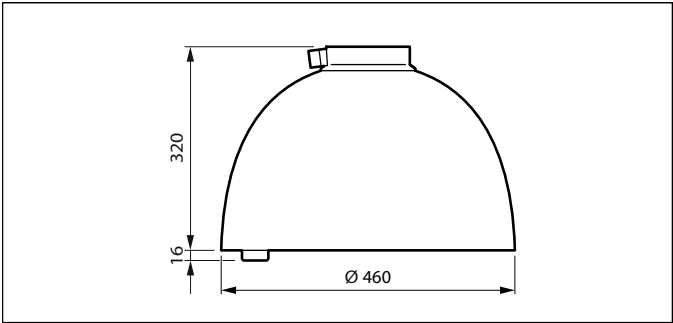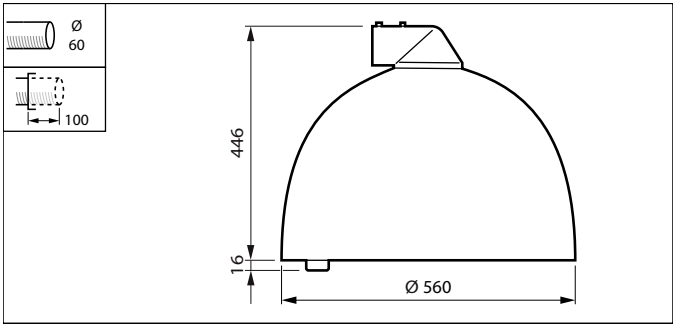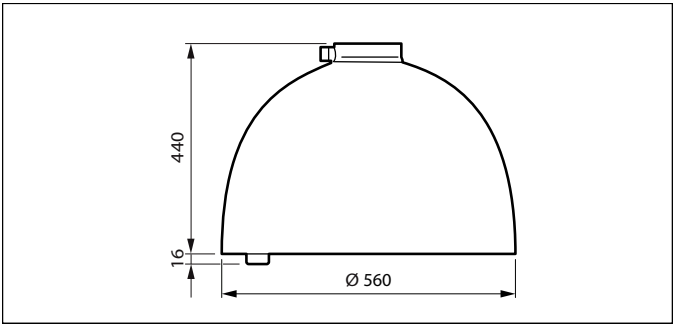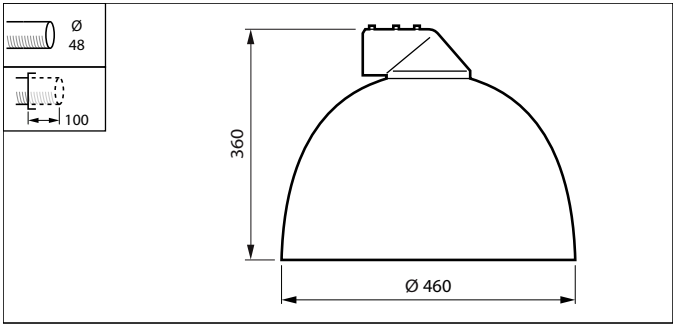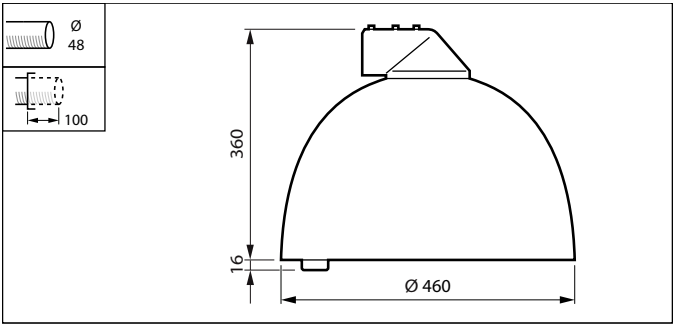
Copenhagen City LED gen2 large & mega

Versions

Copenhagen City LED gen2 large side entry diam 48mm with bottom socket

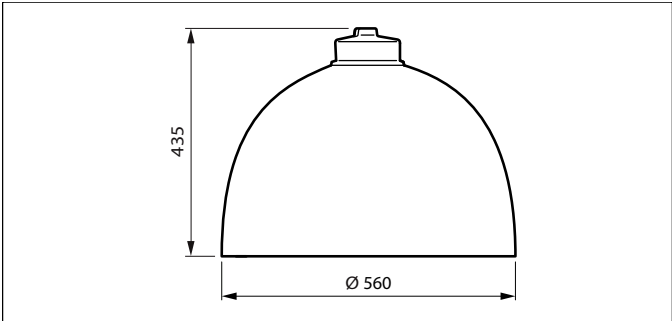Copenhagen City LED gen2 large side entry diam 48mm

Dimensional drawing

Ø 48
100
360
16
Ø 460

Ø 48
100
360
Ø 460

440
16
Ø 560

Ø 60
100
446
16
Ø 560

320
16
Ø 460

356
Ø 460

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Dimensional drawing

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	–
Optical cover type	Flat glass
Optic type outdoor	Metronomis distribution wide
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Controls and Dimming

Dimmable	Yes

Approval and Application

Ingress protection code	IP66
Surge Protection (Common/ Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

General Information

Order Code	Full Product Name	Lamp family code	Product family code
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	LED100	BDS762
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	LED100	BSS762
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	LED110	BDS763
919008634409	BRS762 LED60/830IIGL-MDW CLO-LS850SRTB	LED60	BRS762
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	LED60	BRS762
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	LED60	BRS762
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	LED110	BSS763
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	LED140	BRS763
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	LED140	BRS763

Light Technical

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	830 warm white	3000 K	≥80	8,134 lm

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	830 warm white	3000 K	≥80	8,134 lm

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Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	830 warm white	3000 K	≥80	8,820 lm
919008634409	BRS762 LED60/830IIGL–MDW CLO-LS850SRTB	830 warm white	3000 K	≥80	4,872 lm
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	830 warm white	3000 K	≥80	4,872 lm
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	830 warm white	3000 K	≥80	4,872 lm

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	830 warm white	3000 K	≥80	8,820 lm
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	727 warm white	2700 K	≥70	11,480 lm
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	722 warm white	2200 K	≥70	11,480 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	71 W
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	72 W
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	79 W
919008634409	BRS762 LED60/830IIGL-MDW CLO-LS850SRTB	44 W
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	43.5 W

Order Code	Full Product Name	Power Consumption
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	43.5 W
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	81 W
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	98 W
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	116 W

Mechanical and Housing

Order Code	Full Product Name	Housing Color
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	White
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	White
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	White
919008634409	BRS762 LED60/830IIGL-MDW CLO-LS850SRTB	White
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	White

Order Code	Full Product Name	Housing Color
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	Gray
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	White
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	White
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	Gray

Approval and Application

Order Code	Full Product Name	Mech. impact protection code
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	IK07
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	IK07
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	IK08
919008634409	BRS762 LED60/830IIGL-MDW CLO-LS850SRTB	IK07
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	IK07

Order Code	Full Product Name	Mech. impact protection code
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	IK07
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	IK08
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	IK08
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	IK08

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	0.01 %
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	0.01 %

Order Code	Full Product Name	Driver failure rate at 5000 h
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	0.01 %
919008634409	BRS762 LED60/830IIGL–MDW CLO-LS850SRTB	0.01 %

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Order Code	Full Product Name	Driver failure rate at 5000 h
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	0.01 %
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	–
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	0.01 %

Order Code	Full Product Name	Driver failure rate at 5000 h
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	–
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	–

Application Conditions

Order Code	Full Product Name	Maximum dim level
919008634402	BDS762 LED100/830II GL-MDW CLOLS850 C10K	50%
919008634403	BSS762 LED100/830II GL-MDW CLOLS850 SRTB	50%
919008634407	BDS763 LED110/830II GL-MDW CLOLS850 C10K	50%
919008634409	BRS762 LED60/830IIGL-MDW CLO-LS850SRTB	50%
919008634401	BRS762 LED60/830II GL-MDW CLO-LS850 C10K	50%

Order Code	Full Product Name	Maximum dim level
919008635354	BRS762 LED60/830 II GR MDW CLOLS850 C10K	–
919008634408	BSS763LED110/830 II GL-MDW CLOLS850 SRTB	50%
919008634805	BRS763 LED140/727II GL-MDW SRTB 60S C10K	–
919008634806	BRS763 LED140/722 II MDW SRTB 60S C10K	–

Polar Wide Diagrams

Polar Normal (separate) – BRS762I – 919008634401

Polar Normal (separate) – BRS762I – 919008634402

Polar Normal (separate) – BRS762I – 919008634403

Polar Normal (separate) – BRS763I – 919008634408

Polar Normal (separate) – BRS763I – 919008634407

Polar Normal (separate) – BRS763I – 919008634805

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