



Copenhagen gen2 LED small - timeless design and future- ready technology

Copenhagen gen2 LED small

Copenhagen LED gen2 Small was co-designed with the Copenhagen's Office of City Architecture in the 1960s with the purpose of enhancing the aesthetic appeal of the city through lighting. The luminaire with the timeless design comes in small size to ensure that the dimensions of the luminaire and pole are well balanced, and that the installation blends harmoniously into its surroundings. A variety of suspensions are available, enabling a variety of mounting options and providing maximum freedom during installation. Thanks to the built-in Philips Ledgine optimized LED platform, and the wide range of available application-tailored optics, Copenhagen gen2 LED small delivers the right amount of light and in the right direction on your street, enabling further energy savings. The luminaire comes with one or two Philips SR (System Ready) sockets, which makes the luminaire future-ready. What this means is that Copenhagen City LED gen2 is ready to be paired with both standalone and advanced control and lighting software applications such as Interact City from Signify. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door or directly on the luminaire, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, and enabling you to create your digital library of lighting assets and spare parts.

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Benefits

- Comfortable lighting, aesthetically appealing design, and easy servicing
- Offering new possibilities for city branding via static and dynamic uplight options
- Wide application coverage addressing needs and requirements of roads and streets with different geometries
- Ease of serviceability thanks and ready to be paired with standalone lighting controls and software applications such as Interact City from Signify

Features

- Freedom of installation: side entry, catenary, or central
- Large choice of different beams and internal louvers to ensure minimized glare
- Pleasant design: enabled by a round LED platform following the round shape of the luminaire using Philips Ledgine LED platform and offers a wide range of available optics
- Option of creating static and dynamic uplight
- Ready to be paired with controls, by being equipped with the SR (System Ready) socket
- Easy luminaire is uniquely identifiable thanks to the Philips Service tag

Application

- Traffic roads
- Urban and residential areas
- Cycle paths, footpaths, pedestrian crossings
- Car parks

Specifications

Ambient Temperature	-30 to +25 °C
Beam spread luminaire	-
Main color of the Luminaire	Gray, white
Connection	- (-)
Dimming	Yes
Driver	Power supply unit with DALI and SystemReady interface (Power supply unit with DALI and SystemReady interface) Power supply unit with DALI interface and constant light output (Power supply unit with DALI interface and constant light output) Power supply unit with DynaDimmer and constant light output (integrated) (Power supply unit with DynaDimmer and constant light output (integrated))
Driver failure rate at 5000 h in %	0.01 %
Initial correlated color temperature	2200 K, 2700 K, 3000 K, 4000 K

Initial input power	14.8 W, 19.2 W, 24.5 W, 25 W, 29 W, 32 W, 34.5 W
Initial LED luminaire efficacy	110, 111, 113, 120, 140, 141 lm/W
Initial luminous flux	2088 lm, 2697 lm, 2728 lm, 2816 lm, 3480 lm, 3520 lm, 4136 lm
Input frequency	50 to 60 Hz
Input voltage	220/240 V
Inrush current (A)	4, 21, 47 A
Light source color	722 warm white, 727 warm white, 740 neutral white, 830 warm white
Light source replaceable	Yes
Optic	Distribution medium 11, distribution medium 31, distribution medium 50, distribution narrow 10
Optical cover	Polymethyl methacrylate
Surge protection	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
Type	BRS561
Warranty period	5 years

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Versions



Copenhagen2 Small - LED module
3200 lm - LED - Power supply unit
with DynaDimmer and constant
light output (integrated) -
Distribution medium 50 - Flat
glass - - - - Side-entry for
diameter 48 mm



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Product details



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



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

Copenhagen gen2 LED small

Approval and Application

Mech. impact protection code	IK08
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

Luminaire light beam spread	-
CE mark	CE mark
Optical cover/lens type	Flat glass
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit
Optical element	-
Product Family Code	BRS561

Light Technical

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

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Order Code	Full Product Name	Driver failure rate at 5000 h
919008633835	BRS561 LED32/830 II GL-DM50 SRTB C10K	0.01 %
919008634807	BRS561 LED40/727 II DM31 SRTB C10K	-
919008634808	BRS561 LED40/722 II GL-DM31 SRTB C10K	-
919008633837	BRS561LED32/830 II GL-DM50 CLOLS850 C10K	0.01 %
919008633838	BRS561 LED48/830II GL-DM50 CLOLS850 C10K	0.01 %
919008635240	BRS561 LED24/740 II DN10 GR CLO C10K FQQ	-
919008635241	BRS561 LED32/740 II DM11 GR CLO C10K FQQ	-

General Information

Order Code	Full Product Name	Light source color	Lamp family code	Optic type
919008633835	BRS561 LED32/830 II GL-DM50 SRTB C10K	830 warm white	LED32	Distribution medium 50
919008634807	BRS561 LED40/727 II DM31 SRTB C10K	727 warm white	LED40	Distribution medium 31
919008634808	BRS561 LED40/722 II GL-DM31 SRTB C10K	722 warm white	LED40	Distribution medium 31
919008633837	BRS561LED32/830 II GL-DM50 CLOLS850 C10K	830 warm white	LED32	Distribution medium 50

Order Code	Full Product Name	Light source color	Lamp family code	Optic type
919008633838	BRS561 LED48/830II GL-DM50 CLOLS850 C10K	830 warm white	LED48	Distribution medium 50
919008635240	BRS561 LED24/740 II DN10 GR CLO C10K FQQ	740 neutral white	LED24	Distribution narrow 10
919008635241	BRS561 LED32/740 II DM11 GR CLO C10K FQQ	740 neutral white	LED32	Distribution medium 11

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
919008633835	BRS561 LED32/830 II GL-DM50 SRTB C10K	3000 K	≥80	2816 lm
919008634807	BRS561 LED40/727 II DM31 SRTB C10K	2700 K	≥70	3480 lm
919008634808	BRS561 LED40/722 II GL-DM31 SRTB C10K	2200 K	≥70	3520 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
919008633837	BRS561LED32/830 II GL-DM50 CLOLS850 C10K	3000 K	≥80	2728 lm
919008633838	BRS561 LED48/830II GL-DM50 CLOLS850 C10K	3000 K	≥80	4136 lm

Copenhagen gen2 LED small

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
919008635240	BRS561 LED24/740 II DN10 GR CLO C10K FQQ	4000 K	≥70	2088 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
919008635241	BRS561 LED32/740 II DM11 GR CLO C10K FQQ	4000 K	≥70	2697 lm

Mechanical and Housing

Order Code	Full Product Name	Color
919008633835	BRS561 LED32/830 II GL-DM50 SRTB C10K	White
919008634807	BRS561 LED40/727 II DM31 SRTB C10K	Gray
919008634808	BRS561 LED40/722 II GL-DM31 SRTB C10K	White
919008633837	BRS561 LED32/830 II GL-DM50 CLOLS850 C10K	White

Order Code	Full Product Name	Color
919008633838	BRS561 LED48/830II GL-DM50 CLOLS850 C10K	White
919008635240	BRS561 LED24/740 II DN10 GR CLO C10K FQQ	Gray
919008635241	BRS561 LED32/740 II DM11 GR CLO C10K FQQ	Gray

