



Copenhagen LED Gen2: timeless design and future-ready technology

Copenhagen LED gen2 mini

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 LED is available in a range of sizes, from mini to mega. This makes it suitable for any type of application while ensuring the dimensions of the luminaire and pole are well balanced, so every installation blends harmoniously into its surroundings. Various suspensions are available, allowing a variety of mounting options to provide maximum freedom during installation. Thanks to the built-in LEDGINE-O engine, and the wide range of application-tailored optics, Copenhagen LED luminaires deliver the right amount of light and in the right direction on your street, enabling important energy savings. The luminaire is available with one or two Zhaga-D4i (ZD4i) System Ready (SR) sockets, which makes the luminaire future ready. This means Copenhagen LED Gen2 is ready to pair with advanced control and lighting software applications such as Interact, or sensors such as the 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 LED Gen2 BPS559, BRS561, BRS562 and BRS563 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 programming operations faster and easier and enables you to create a digital library of lighting assets and spare parts.

Copenhagen LED gen2 mini

Benefits

- Excellent energy savings and light distribution thanks to LEDGINE-O high system efficacy and a large choice of optics
- Future-ready with Zhaga-D4i SR sockets to connect with Interact controls and sensors
- Service tag for easy installation and maintenance

Features

- 4 sizes (mini, small, large, and mega) to fit all mounting heights and possibilities: side entry, wall-arm, post-top, catenary, or central fixing
- 50+ choice of beams, and internal louvers to match all configurations
- Choice of color temperatures and color rendering for different ambiances: 2200K, 2700K, 3000K and 4000K
- Efficacy up to 167 lm/W
- Marine salt protection
- 5-year standard warranty (option to extend up to 10 years)

Application

- Traffic roads: motorways, highways (mega and large versions)
- Large streets and industrial areas (large)
- Small streets and car parks (small)
- Cycle paths, footpaths, pedestrian crossings (mini)

Specifications

Type	BPS559: ø60 mm post top
	BDS559: Suspended
	BWS559: Wall-arm
	BVS559: ø60 mm double post top
Material	88% bio-based polyethylene canopy
	88% recycled aluminum bracket and heatsink
	silk screen printed, tempered front glass
Installation	Suspended
	ø60 mm post top
	ø60 mm double post-top
	Wall-arm
Luminous flux	600 lm to 3300 lm system flux
Correlated color temperature - CCT	722, 727, 730, 740, 827, 830, 840
Luminaire efficacy	up to 167 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
Accessories	PSD-SR: Power supply unit with DALI and SystemReady interface
	PSM: Power supply unit with Coded Mains integrated
	Back light cover
Ingress protection	Satin diffuser
	IP66
Certification	CE
	ENEC+
Serviceability class	Class A

Copenhagen LED gen2 mini

Versions



Copenhagen LED gen2 mini
BPS559



Copenhagen LED gen2 mini
BPS559

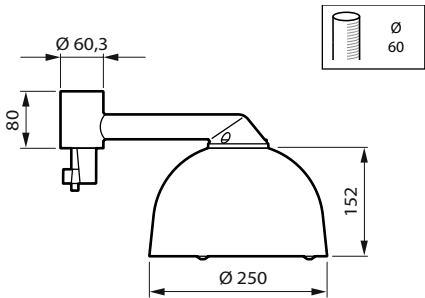
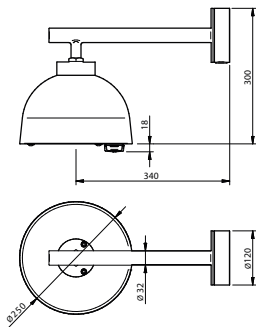
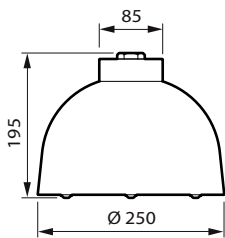


Copenhagen LED gen2 mini
BDS559



Copenhagen LED gen2 mini wall-
arm with translucent canopy and
bottom SR socket

Dimensional drawing



Copenhagen LED gen2 mini

Product details



Copenhagen LED gen2 mini
BDS559



Copenhagen LED gen2 mini
BPS559



Copenhagen LED gen2 mini
BDS559 driver maintenance



Copenhagen LED gen2 mini
BPS559 driver maintenance and
top socket



Copenhagen LED gen2 mini
BPS559 serigraphy detail



Copenhagen LED gen2 mini
BPS559 LED20 and bottom socket



Copenhagen LED gen2 mini wall-
arm fixation



Copenhagen LED gen2 mini
BPS559 bracket

Copenhagen LED gen2 mini

General Information	
Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Luminaire light beam spread	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Optical cover type	Flat glass
Mech. impact protection code	IK08
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Approval and Application	
CE mark	Yes
Flammability mark	-

General Information

Order Code	Full Product Name	Lamp family code
919008635355	BPS559 LED20/830IIGRDM10 CROLS850 C4K60P	LED20
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	LED15
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	LED15
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	LED15
919008635356	BPS559 LED20/830IIGLDM10 CROLS850 C4K60P	LED20
919008634905	BDS559 LED15/830 II GL-DS50 CLO C4K	LED15
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	LED8
919008636707	BWS559 LED8/830 II DS50 GW CLO STDE	LED8

Light Technical (1/2)

Order Code	Full Product Name	Light	Correlated	Color	Luminous
		source color	Color Temperature (Nom)	rendering index (CRI)	
919008635355	BPS559 LED20/830IIGRDM10 CROLS850 C4K60P	830 warm white	3000 K	80	1,634 lm
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	830 warm white	3000 K	80	1,276 lm
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	727 warm white	2700 K	70	1,276 lm
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	722 warm white	2200 K	70	1,276 lm
919008635356	BPS559 LED20/830IIGLDM10 CROLS850 C4K60P	830 warm white	3000 K	80	1,634 lm
919008634905	BDS559 LED15/830 II GL-DS50 CLO C4K	830 warm white	3000 K	80	1,247 lm
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	830 warm white	3000 K	80	670.8 lm
919008636707	BWS559 LED8/830 II DS50 GW CLO STDE	830 warm white	3000 K	80	670.8 lm

Light Technical (2/2)

Order Code	Full Product Name	Optic type outdoor	Upward
			light output ratio
919008635355	BPS559 LED20/830IIGRDM10 CROLS850 C4K60P	Distribution medium 10	0
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	Distribution medium 31	0
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	Distribution medium 31	0
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	Distribution medium 31	0

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			Upward light output ratio
Order Code	Full Product Name	Optic type outdoor	
919008635356	BPS559 LED20/830IIGLDM10	Distribution medium	0
	CLOLS850 C4K60P	10	
919008634905	BDS559 LED15/830 II GL-DS50 CLO	Distribution	0
	C4K	symmetrical 50	

			Upward light output ratio
Order Code	Full Product Name	Optic type outdoor	
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	Distribution	0
		symmetrical 50	
919008636707	BWS559 LED8/830 II DS50 GW CLO	Distribution	0.5
	STDE	symmetrical 50	

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
919008635355	BPS559	15.8 W	Surge protection level until 6 kV differential mode and 6 kV common mode
	LED20/830IIGRDM10		
	CLOLS850 C4K60P		
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	12.2 W	Surge protection level until 6 kV differential mode and 6 kV common mode
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	11.4 W	Surge protection level until 6 kV differential mode and 6 kV common mode
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	13 W	Surge protection level until 6 kV differential mode and 6 kV common mode

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
919008635356	BPS559	15.8 W	Surge protection level until 6 kV differential mode and 6 kV common mode
	LED20/830IIGLDM10		
	CLOLS850 C4K60P		
919008634905	BDS559 LED15/830 II GL-DS50 CLO C4K	12 W	Surge protection level until 6 kV differential mode and 6 kV common mode
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	7.2 W	Surge protection level until 6 kV differential mode and 10 kV common mode
919008636707	BWS559 LED8/830 II DS50 GW CLO STDE	7 W	Surge protection level until 6 kV differential mode and 10 kV common mode

Controls and Dimming

Order Code	Full Product Name	Maximum dim level
919008635355	BPS559 LED20/830IIGRDM10 CLOLS850 C4K60P	-
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	0% (digital)
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	0% (digital)
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	0% (digital)

Order Code	Full Product Name	Maximum dim level
919008635356	BPS559 LED20/830IIGLDM10 CLOLS850 C4K60P	-
919008634905	BDS559 LED15/830 II GL-DS50 CLO C4K	Not applicable
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	10%
919008636707	BWS559 LED8/830 II DS50 GW CLO STDE	10%

Mechanical and Housing

Order Code	Full Product Name	Housing Color
919008635355	BPS559 LED20/830IIGRDM10 CLOLS850 C4K60P	Gray
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	White
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	White
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	Gray

Order Code	Full Product Name	Housing Color
919008635356	BPS559 LED20/830IIGLDM10 CLOLS850 C4K60P	White
919008634905	BDS559 LED15/830 II GL-DS50 CLO C4K	White
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	Grey
919008636707	BWS559 LED8/830 II DS50 GW CLO STDE	Opal

Product Data

Order Code	Full Product Name	Product family code
919008635355	BPS559 LED20/830IIGRDM10 CLOLS850 C4K60P	BPS559

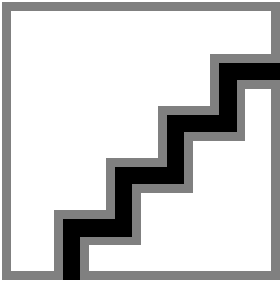
Order Code	Full Product Name	Product family code
919008634903	BPS559 LED15/830II GL-DM31 CLOSRTBC4K60P	BPS559

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Order Code	Full Product Name	Product family code
919008634909	BPS559 LED15/727II GL-DM31 CLOSRTBC4K60P	BPS559
919008634916	BPS559 LED15/722II DM31 CLO SRTB C4K 60P	BPS559
919008635356	BPS559 LED20/830IIGLDM10 CLOLS850 C4K60P	BPS559

Order Code	Full Product Name	Product family code
919008634905	BDS559 LED15/830 II GL-DS50 CLO C4K	BDS559
919008636706	BWS559 LED8/830 II DS50 CLO-SRB STDE	BWS559
919008636707	BWS559 LED8/830 II DS50 GW CLO STDE	BWS559

Polar Wide Diagrams



Polar Normal (separate) - BPS559I -
919008634905

