



# Copenhagen LED – discreet and timeless design

## Copenhagen LED Big

Copenhagen LED was co-designed together with Copenhagen's Office of City Architecture in order to enhance the aesthetic appeal of the city's lighting. The luminaire's timeless design comes in two sizes – mini and large – to ensure that the dimensions of the luminaire and pole are well balanced, and that the installation blends in harmoniously with its surroundings. A variety of suspensions are available, offering maximum freedom in the overall design of the installation. A choice of symmetrical or asymmetrical distributions and state-of-the-art LED technology complete the specification of an extremely adaptable luminaire.

### Benefits

- Unique opal canopy enables creation of a comfortable lighting ambience
- Cutting-edge LED technology in combination with the latest lighting controls
- Future-proof: LED engine and driver serviceable and upgradeable

### Features

- LEDGINE inside – state-of-the-art, future-proof LED technology
- Timeless design
- Application flexibility thanks to the choice of mounting options

### Application

- Residential streets
- Pedestrian and cycle paths
- Minor roads

### Specifications

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<b>Type</b>	BRS441 (side entry version)
	BDS441 (central version)
	BSS441 (suspended version)
<b>Light source</b>	Build-in LED-module
<b>Power (steady state in W, +/- 10%)</b>	19 up to 136 W
<b>Correlated Color</b>	3000 K (Warm white)
<b>Temperature</b>	4000 K (Neutral white)
<b>Luminous flux</b>	GreenLine: 1600 up to 9760 lm
	EconomyLine: 2322 up to 14161 lm
<b>Luminaire efficacy</b>	Up to 79 lm/W (for 3000 K)
	Up to 104 lm/W (for 4000 K)
<b>Color Rendering Index</b>	84 (3000 K)
	76 (4000 K)
<b>Lumen maintenance at median useful life* 100000 h</b>	GreenLine: min L80
<b>Lumen maintenance at median useful life* 75000 h</b>	EconomyLine: min L80
<b>Control gear failure rate at median useful life 100000 h</b>	GreenLine: 10%
<b>Control gear failure rate at median useful life 75000 h</b>	EconomyLine: 7.5%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-20 °C to +25 °C
<b>Driver</b>	Built-in (self ballasted LED-module)
<b>Mains voltage</b>	220-240 V / 50-60 Hz

<b>Inrush current</b>	130 A / 165 µs (50%)
<b>Dimming</b>	LumiStep: 6 and 8 hours
	DynaDimmer
	SDU
	External Dimming 1-10 V and DALI
<b>Optic</b>	StarSense RF
	AmpDim
	Distribution comfort (DC)
	Distribution medium (DM)
	Distribution wide (DW)
	Distribution wet road (DK)
	Distribution pedestrian crossing right (DP-R)
	Distribution symmetrical narrow (DSN)
<b>Optical cover</b>	Asymmetrical (A)
	Glass, flat
<b>Material</b>	Housing: PMMA, impact resistant
	Top flange: cast aluminum
	Heat sink: cast aluminum
	Cover: glass, tempered
<b>Color</b>	Top flange standard: light gray
	Housing standard: light gray (RAL7035) or opal
	Other RAL colors available on request
<b>Maintenance</b>	Three tools to open the luminaire for all maintenance activities (Torx15, Torx25, Torx25)
<b>Installation</b>	Delivered with 10.5 m cable
	Recommended mounting height: 6 to 10 m
	Standard tilt angle: 0°
	Adjustable tilt angle: 2°
<b>Accessories</b>	Max SCx: 0,13 m²
	Mounting brackets for suspended version BSS441
<b>Remarks</b>	BSS441: order mounting bracket separately

