



# CitySwan LED gen3

## BRS639 LED40/830 II MDS GW CLO C10K

CitySwan LED gen3, Urban road & street light, 33 W, 3804 lm, 3000 K, CRI80, Metronomis distribution symmetrical, Safety class II, IP66, SRG6-10

The beautiful CitySwan LED Gen3 luminaire was designed by Danish architects Bjarne Schläger and Morten Weeke Borup. The simple shape is designed around an ellipse. With minimal materials, clean lines and a white opal 'lampshade', CitySwan LED Gen3 offers discreet, yet visible, presence in any city environment. At night, patented glowing light technology highlights the design of the luminaire and illuminates streets and spaces with soft, functional light that is completely at peace with its surroundings. CitySwan LED Gen3 can also be used to create colorful light moods to emphasize local identity or give urban spaces an innovative setting. This distinctive and elegant Urban Styling solution has a choice of mounting options including pole or suspended. It is also available as a wall-mounted luminaire and a bollard. The third generation of CitySwan LED integrates our latest round LED board for best-in-class performance and a wide range of color temperatures. It can also be configured with the System Ready (SR) driver, and one or two Zhaga-D4i (ZD4i) SR sockets. This makes it possible to connect the luminaire via our Interact proposition and add sensors using the bottom socket. The accessibility of CitySwan LED Gen3 has also been improved for even easier maintenance. Furthermore, every CitySwan LED Gen3 BPS639 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.

### Product data

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General Information	
Lamp family code	LED40 [LED module 4000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Unclassified

Light Technical	
Upward light output ratio	0
Luminous Flux	3,804 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	97 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Luminaire light beam spread	-
Optic type outdoor	Metronomis distribution symmetrical
Effective projected area	0.08 m <sup>2</sup>

Sustainability Data	
Embedded carbon (A1-A3)	34.6 kg CO <sub>2</sub> e
Recyclable content ratio of the finished product	28.8 %
Product non-virgin material ratio	22 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)

Operating and Electrical	
Input Voltage	230 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	31.5 W
Average CLO power consumption	32 W
End CLO power consumption	32.5 W
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	33 W

Power Factor (Fraction)	0.98
Connection	Flying leads/wires
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	26
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 10 kV common mode

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DALI interface and constant light output
Control interface	-
Constant light output	Yes
DALI Standard	DALI-2™
Maximum dim level	10%
Embedded control	Constant light output

Mechanical and Housing	
Housing Material	Polyethylene
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Opal
Mounting device	Side-entry for diameter 48 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	369 mm
Overall width	340 mm
Overall height	250 mm
Dimensions (Height x Width x Depth)	250 x 340 x 369 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	5.400 kg

Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	-
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +25 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.4339, 0.4032) SDCM <5

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Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5
<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L100

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Order product name	BRS639 LED40/830 II MDS GW CLO C10K
Full product name	BRS639 LED40/830 II MDS GW CLO C10K
Full product code	871951466644300
Order code	919008635819
Material Nr. (12NC)	919008635819
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514666443
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514666443
Product family code	BRS639 [CitySwan LED gen3]

## Dimensional drawing

