

## ***ANEXO V: FICHAS TÉCNICAS***



# CitySpirit Street LED

## CitySpirit Street LED

Vibrant outdoor lighting has the power to revitalize a city's spirit, transforming it into an exciting, uplifting space where residents and visitors feel safe and at home even after dark. Philips CitySpirit Street LED is a luminaire designed to provide quality, environmentally friendly lighting that seamlessly integrates into the urban landscape. Equipped with LED technology and consistent light output, this luminaire delivers efficient and excellent lighting to any city.

### Benefits

- Reduced energy and maintenance costs - 50,000 hour lifetime (at 70% lumen maintenance).
- Serviceability - LED driver module is easy replaceable.
- CityTouch ready - (upon request) function Cloud based intelligent control.

### Features

- Stylish lighting possibilities
- Excellent light quality

### Application

- Public and residential areas, pathway, etc.

# CitySpirit Street LED

## Versions



CitySpirit Street BDS480

### Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	4/2 kV

### General Information

Luminaire light beam spread	-
CE mark	-
Optical cover/lens type	Acrylate micro-lens optic clear
Driver included	Yes
ENEC mark	-
Flammability mark	-
Lamp family code	-
Light source replaceable	Yes
Number of gear units	-
Optic type	Distribution street pedestrian

### Initial Performance (IEC Compliant)

Init. Color Rendering Index	70
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### Light Technical

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

### Mechanical and Housing

Color	Dark gray
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### Application Conditions

Order Code	Full Product Name	Maximum dim level
911401617803	BDS480 LED70/WW PSU 220-240V DW2 MP1	0% (digital)
911401617903	BDS480 LED37/NW PSU 220-240V DW2 MP1	0% (digital)
911401618003	BDS480 LED35/WW PSU 220-240V DW2 MP1	0% (digital)
911401618103	BDS480 LED76/NW PSU 220-240V DW2 MP1	0% (digital)
911401618703	BDS480 LED76/NW PSD 220-240V DW2 MP1	0% (digital)
911401619003	BDS480 LED35/WW PSD 220-240V DW2 MP1	0% (digital)
911401619203	BDS480 LED70/WW PSD 220-240V DW2 MP1	0% (digital)
911401619303	BDS480 LED37/NW PSD 220-240V DW2 MP1	0% (digital)
911401620604	BDS480 LED70/WW PSU 220-240V DW2 MP1 AUS	0% (digital)
911401620704	BDS480 LED76/NW PSU 220-240V DW2 MP1 AUS	Not applicable
911401621204	BDS480 LED37/NW PSD 220-240V DW2 MP1 AUS	0% (digital)
911401621404	BDS480 LED37/NW PSU 220-240V DW2 MP1 AUS	0% (digital)
911401621504	BDS480 LED35/WW PSD 220-240V DW2 MP1 AUS	0% (digital)
911401621604	BDS480 LED70/WW PSD 220-240V DW2 MP1 AUS	0% (digital)
911401621704	BDS480 LED35/WW PSU 220-240V DW2 MP1 AUS	0% (digital)
911401621904	BDS480 LED76/NW PSD 220-240V DW2 MP1 AUS	0% (digital)

## Controls and Dimming

Order Code	Full Product Name	Dimmable
911401617803	BDS480 LED70/WW PSU 220-240V DW2 MP1	Yes
911401617903	BDS480 LED37/NW PSU 220-240V DW2 MP1	Yes
911401618003	BDS480 LED35/WW PSU 220-240V DW2 MP1	Yes
911401618103	BDS480 LED76/NW PSU 220-240V DW2 MP1	Yes
911401618703	BDS480 LED76/NW PSD 220-240V DW2 MP1	Yes

Order Code	Full Product Name	Dimmable
911401619003	BDS480 LED35/WW PSD 220-240V DW2 MP1	Yes
911401619203	BDS480 LED70/WW PSD 220-240V DW2 MP1	Yes
911401619303	BDS480 LED37/NW PSD 220-240V DW2 MP1	Yes
911401620604	BDS480 LED70/WW PSU 220-240V DW2 MP1 AUS	Yes
911401620704	BDS480 LED76/NW PSU 220-240V DW2 MP1 AUS	No

## CitySpirit Street LED

Order Code	Full Product Name	Dimmable
911401621204	BDS480 LED37/NW PSD 220-240V DW2 MP1 AUS	Yes
911401621404	BDS480 LED37/NW PSU 220-240V DW2 MP1 AUS	Yes
911401621504	BDS480 LED35/WW PSD 220-240V DW2 MP1 AUS	Yes

Order Code	Full Product Name	Dimmable
911401621604	BDS480 LED70/WW PSD 220-240V DW2 MP1 AUS	Yes
911401621704	BDS480 LED35/WW PSU 220-240V DW2 MP1 AUS	Yes
911401621904	BDS480 LED76/NW PSD 220-240V DW2 MP1 AUS	Yes

### General Information

Order Code	Full Product Name	Light source color
911401617803	BDS480 LED70/WW PSU 220-240V DW2 MP1	Warm white
911401617903	BDS480 LED37/NW PSU 220-240V DW2 MP1	Neutral white
911401618003	BDS480 LED35/WW PSU 220-240V DW2 MP1	Warm white
911401618103	BDS480 LED76/NW PSU 220-240V DW2 MP1	Neutral white
911401618703	BDS480 LED76/NW PSD 220-240V DW2 MP1	Neutral white
911401619003	BDS480 LED35/WW PSD 220-240V DW2 MP1	Warm white
911401619203	BDS480 LED70/WW PSD 220-240V DW2 MP1	Warm white
911401619303	BDS480 LED37/NW PSD 220-240V DW2 MP1	Neutral white

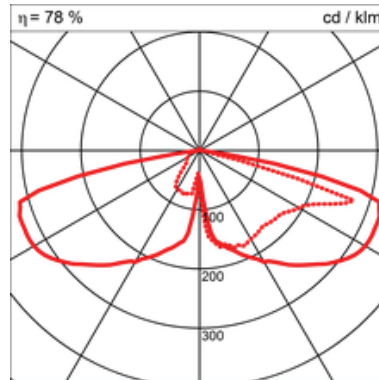
Order Code	Full Product Name	Light source color
911401620604	BDS480 LED70/WW PSU 220-240V DW2 MP1 AUS	Warm white
911401620704	BDS480 LED76/NW PSU 220-240V DW2 MP1 AUS	Neutral white
911401621204	BDS480 LED37/NW PSD 220-240V DW2 MP1 AUS	Neutral white
911401621404	BDS480 LED37/NW PSU 220-240V DW2 MP1 AUS	Neutral white
911401621504	BDS480 LED35/WW PSD 220-240V DW2 MP1 AUS	Warm white
911401621604	BDS480 LED70/WW PSD 220-240V DW2 MP1 AUS	Warm white
911401621704	BDS480 LED35/WW PSU 220-240V DW2 MP1 AUS	Warm white
911401621904	BDS480 LED76/NW PSD 220-240V DW2 MP1 AUS	Neutral white

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
911401617803	BDS480 LED70/WW PSU 220-240V DW2 MP1	3000 K	7000 lm
911401617903	BDS480 LED37/NW PSU 220-240V DW2 MP1	4000 K	3700 lm
911401618003	BDS480 LED35/WW PSU 220-240V DW2 MP1	3000 K	3500 lm
911401618103	BDS480 LED76/NW PSU 220-240V DW2 MP1	4000 K	7600 lm
911401618703	BDS480 LED76/NW PSD 220-240V DW2 MP1	4000 K	7600 lm
911401619003	BDS480 LED35/WW PSD 220-240V DW2 MP1	3000 K	3500 lm
911401619203	BDS480 LED70/WW PSD 220-240V DW2 MP1	3000 K	7000 lm
911401619303	BDS480 LED37/NW PSD 220-240V DW2 MP1	4000 K	3700 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
911401620604	BDS480 LED70/WW PSU 220-240V DW2 MP1 AUS	3000 K	7000 lm
911401620704	BDS480 LED76/NW PSU 220-240V DW2 MP1 AUS	4000 K	7600 lm
911401621204	BDS480 LED37/NW PSD 220-240V DW2 MP1 AUS	4000 K	3700 lm
911401621404	BDS480 LED37/NW PSU 220-240V DW2 MP1 AUS	4000 K	3700 lm
911401621504	BDS480 LED35/WW PSD 220-240V DW2 MP1 AUS	3000 K	3500 lm
911401621604	BDS480 LED70/WW PSD 220-240V DW2 MP1 AUS	3000 K	7000 lm
911401621704	BDS480 LED35/WW PSU 220-240V DW2 MP1 AUS	3000 K	3500 lm
911401621904	BDS480 LED76/NW PSD 220-240V DW2 MP1 AUS	4000 K	7600 lm





### Luminaires

Manufacturer	Philips Lighting
Article number	BDS480 T25 1xGRN29-3S/740 DRW
Product name	CitySpirit Street LED
Product group	Outdoor - Road and Urban Lighting
Mounting place	Pole
Test mark	CE

### Model / Variant / Configuration

Number / Name	---
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### Description

Product without accessories

### Dimensions

Diameter/Height	640mm/454mm
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### Luminaires

Lamp type	1 x LED
Lamp power	25 W
System power	25 W
Light flux	2900 lm
Colour temperature	4000
Colour rendering	70

### Description

CitySpirit Street – reveal the spirit of your City CitySpirit Street is part of the CitySpirit gen2 range, a hybrid range designed to provide excellent, environmentally friendly lighting without compromising on architectural appearance. The range consists of indirect lighting solutions, such as the Cone, Torch,

Modern Lantern, Classic Lantern, Wall-mounted and Bollards and a direct lighting solution, namely CitySpirit Street and CitySpirit Street LED. CitySpirit Street LED incorporates our LEDGINE module, providing a long-lasting solution that can be upgraded simply by replacing the module. This enables significant energy savings through 1-to-1 replacement of HID installations without any compromise on lighting quality or safety. Together with its constant light output and dimming functionality, the LED version ensures the highest operational efficiency.



# Luma – the vision is reality

## Luma

Luma is a high-performance road-lighting luminaire with a clear design identity, offering a perfectly cooled, fit-and-forget solution for all streets and roads. The lumen package, lifetime and energy profile can be tuned to create the desired solution in terms of energy and cost savings. Luma can be programmed to keep the flux of the LEDs at a predefined constant level over the lifetime of the luminaire – by increasing the operating current over time to compensate for the LED lumen depreciation. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover Luma's trully flat design prevents upward light to optimize the light distribution for varying road geometries and/or glare restrictions, the tilt angle can easily be adjusted on installation.

## Benefits

- Choice of lens optics to match international road and street geometries
- Combination of lenses and tilt adjustment options ensures high project flexibility
- Dedicated lumen packages deliver energy savings of over 50%, with a related reduction in CO<sub>2</sub> emissions

## Features

- LEDGINE-O engine technology for an integrated, uncompromised approach to LED luminaire design
- COO-LED™ thermal management – the integral design approach taken ensures that many luminaire parts contribute to the coolest and therefore most efficient lighting solution
- L-Tune tool
- Adjustable tilt angle

## Application

- Motorways, inter-urban main roads, boulevards and avenues, roundabouts, pedestrian crossings
- Residential streets, side streets, squares, parks, cycle and pedestrian paths, playgrounds
- Parking areas, industrial areas, petrol stations, rail yards, airports, harbors, waterways

## Specifications

<b>Type</b>	BGP621 (Mini Luma version)	<b>Useful life</b>	BGP621: 100,000 hours min L91B10 (up to L96B10) at 25 °C ambient temperature
	BGP623 (Luma 1 version)		BGP623: 100,000 hours min L89B10 (up to L95B10) at 25 °C ambient temperature
	BGP625 (Luma 2 version)		BGP625: 100,000 hours min L89B10 (up to L95B10) at 25 °C ambient temperature
	BGP627 (Luma 3 version)		BGP627: 100,000 hours min L88B10 (up to L95B10) at 25 °C ambient temperature
<b>Light source</b>	Built-in LED-module	<b>Operating temperature range</b>	-20 to +35 °C
<b>Power</b>	BGP621: 23 to 85 W depending on configuration	<b>Driver</b>	Programmed LED drivers
	BGP623: 39 to 174 W depending on configuration	<b>Mains voltage</b>	220-240 V / 50-60 Hz
	BGP625: 79 to 245 W depending on configuration	<b>Dimming</b>	1-10 V or stand alone DynaDimmer
	BGP627: 124 to 384 W depending on configuration		DALI
<b>Luminous flux</b>	BGP621: Neutral and Cool white:	<b>Options</b>	Wired for cell (WFC), mini Photocell or NEMA socket
	nominal: 3500 to 10,900 lm		Including cable
	system: 3200 to 9700 lm	<b>Optic</b>	Narrow, medium, wide or extra wide road optics: DM10, DM11, DM12, DM30, DM31, DM50, DM70, DN10, DN11, DPR1, DPL1, DS50, DW10, DW12, DW50, DX10, DX50, DX51, DX70
	Warm white:	<b>Optical cover</b>	Flat cover, glass
	nominal: 3500 to 9400 lm	<b>Material</b>	Housing: die-cast aluminum, non corrosive
	system: 3200 to 8300 lm		Cover: toughened glass
	BGP623: Neutral and Cool white:		Gear tray: aluminum
	nominal: 6000 to 22,000 lm		Spigot: die-cast aluminum
	system: 5400 to 19,200 lm	<b>Color</b>	Antracite or light grey
	Warm white:		Other RAL or AKZO Futura colors or duo colors available on request
	nominal: 6000 to 22,000 lm	<b>Connection</b>	M20 cable gland with strain relief, for cable Ø 10-14 mm
	system: 5400 to 19,000 lm	<b>Maintenance</b>	Canopy with LED module and gear tray hinges upwards and is secured by a stainless steel locking bar (2 positions), making the LED module and gear tray safely accessible from below
	BGP625: Neutral and Cool white:		Safe Maintenance Technology (SMT) safety switch disconnects power on opening
	nominal: 13,000 to 34,000 lm	<b>Installation</b>	BGP621/623: post top / side entry mounting Ø 32-60 mm
	system: 11,700 to 29,400 lm		BGP625/627: post top / side entry mounting Ø 42-62 mm
	Warm white:		Recommended mounting height: 6-18 m
	nominal: 13,000 to 28,000 lm		Standard tilt angle post top: 0°
	system: 11,700 to 24,200 lm		Adjustable tilt angle: 0-5-10°
	BGP627: Neutral and Cool white:		Max SCx: 0.055 m² (BGP621), 0.057 m² (BGP623), 0.067 m² (BGP625), 0.079 m² (BGP627)
	nominal: 18,900 to 55,000 lm	<b>Accessories</b>	Dedicated spigot for post top Ø 76 mm
	system: 17,000 to 47,200 lm		
	Warm white:		
	nominal: 18,900 to 45,000 lm		
	system: 17,000 to 38,600 lm		
	Or tailor flux using L-Tune software		
<b>Luminaire efficacy</b>	BGP621: up to 137 lm/W		
	BGP623: up to 146 lm/W		
	BGP625: up to 148 lm/W		
	BGP627: up to 144 lm/W		
<b>Correlated Color Temperature</b>	3000, 4000 or 5700 K		
<b>Color Rendering Index</b>	>70 (for CW, NW)		
	>80 (for WW)		



Luma

Versions



Product details



Toolless opening luminaire



Also side-entry mounting possible

**Application Conditions**

Average ambient temperature	25 °C
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**Approval and Application**

Mech. impact protection code	IK09
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**General Information**

Supply cable type	-
CE mark	CE mark
Parts color	All parts colored
Light source color	Neutral white
Optical cover/lens type	Flat glass
Driver included	Yes
ENEC mark	ENEC mark
Luminaire fixation bolts	Length 30 mm
Flammability mark	-
Light source replaceable	Yes

**Initial Performance (IEC Compliant)**

Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70

**Light Technical**

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

**Mechanical and Housing**

Color	Gray
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**Over Time Performance (IEC Compliant)**

Driver failure rate at 5000 h	0.23 %
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**Application Conditions**

Order Code	Full Product Name	Maximum dim level
912300022999	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6	-
912300025535	BGP627 180x/NW PSU II OFR1 AL GR SRG10 6	-
912300023098	BGP623 80x/NW PSU II OFR4 AL GR SRG10 62	-
912300023099	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62	-
912300023101	BGP623 40x/NW PSU II OFR4 AL GR SRG10 62	-
912300023103	BGP623 60x/NW PSU II OFR4 AL GR SRG10 62	-
912300023273	BGP623 GRN137/NW PSD I OFR6 AL GR D9	25%
912300023274	BGP625 GRN176/NW PSD I OFR2 AL GR D9	25%

**Approval and Application**

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300022999	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300025535	BGP627 180x/NW PSU II OFR1 AL GR SRG10 6	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300023098	BGP623 80x/NW PSU II OFR4 AL GR SRG10 62	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300023099	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300023101	BGP623 40x/NW PSU II OFR4 AL GR SRG10 62	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300023103	BGP623 60x/NW PSU II OFR4 AL GR SRG10 62	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300023273	BGP623 GRN137/NW PSD I OFR6 AL GR D9	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
912300023274	BGP625 GRN176/NW PSD I OFR2 AL GR D9	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

**Controls and Dimming**

Order Code	Full Product Name	Dimmable
912300022999	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6	No
912300025535	BGP627 180x/NW PSU II OFR1 AL GR SRG10 6	No
912300023098	BGP623 80x/NW PSU II OFR4 AL GR SRG10 62	No
912300023099	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62	No

Order Code	Full Product Name	Dimmable
912300023101	BGP623 40x/NW PSU II OFR4 AL GR SRG10 62	No
912300023103	BGP623 60x/NW PSU II OFR4 AL GR SRG10 62	No
912300023273	BGP623 GRN137/NW PSD I OFR6 AL GR D9	Yes
912300023274	BGP625 GRN176/NW PSD I OFR2 AL GR D9	Yes

## General Information (1/2)

Order Code	Full Product Name	Luminaire light		Lamp family code	Number of gear units
		beam spread	Coating		
912300022999	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6	27° - 7° x 146°	-	LED-HB	3 units
912300025535	BGP627 180x/NW PSU II OFR1 AL GR SRG10 6	23° - 8° x 149°	-	LED-HB	3 units
912300023098	BGP623 80x/NW PSU II OFR4 AL GR SRG10 62	23° - 12° x 151°	-	LED-HB	1 unit
912300023099	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62	27° - 7° x 146°	-	LED-HB	1 unit

Order Code	Full Product Name	Luminaire light		Lamp family code	Number of gear units
		beam spread	Coating		
912300023101	BGP623 40x/NW PSU II OFR4 AL GR SRG10 62	23° - 12° x 151°	-	LED-HB	1 unit
912300023103	BGP623 60x/NW PSU II OFR4 AL GR SRG10 62	23° - 12° x 151°	-	LED-HB	1 unit
912300023273	BGP623 GRN137/NW PSD I OFR6 AL GR D9	27° - 7° x 146°	-	GRN137	1 unit
912300023274	BGP625 GRN176/NW PSD I OFR2 AL GR D9	21° - 10° x 144°	-	GRN176	2 units

## General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code
912300022999	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6	200 pcs	Optiflux version R6	BGP627
912300025535	BGP627 180x/NW PSU II OFR1 AL GR SRG10 6	180 pcs	Optiflux version R1	BGP627
912300023098	BGP623 80x/NW PSU II OFR4 AL GR SRG10 62	80 pcs	Optiflux version R4	BGP623
912300023099	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62	80 pcs	Optiflux version R6	BGP623

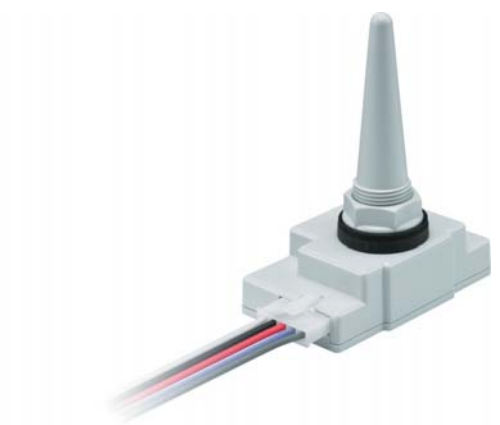
Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code
912300023101	BGP623 40x/NW PSU II OFR4 AL GR SRG10 62	40 pcs	Optiflux version R4	BGP623
912300023103	BGP623 60x/NW PSU II OFR4 AL GR SRG10 62	60 pcs	Optiflux version R4	BGP623
912300023273	BGP623 GRN137/NW PSD I OFR6 AL GR D9	80 pcs	Optiflux version R6	BGP623
912300023274	BGP625 GRN176/NW PSD I OFR2 AL GR D9	120 pcs	Optiflux version R2	BGP625

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
912300022999	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6	28600 lm
912300025535	BGP627 180x/NW PSU II OFR1 AL GR SRG10 6	40000 lm
912300023098	BGP623 80x/NW PSU II OFR4 AL GR SRG10 62	11450 lm
912300023099	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62	11450 lm

Order Code	Full Product Name	Initial luminous flux
912300023101	BGP623 40x/NW PSU II OFR4 AL GR SRG10 62	5700 lm
912300023103	BGP623 60x/NW PSU II OFR4 AL GR SRG10 62	8550 lm
912300023273	BGP623 GRN137/NW PSD I OFR6 AL GR D9	13700 lm
912300023274	BGP625 GRN176/NW PSD I OFR2 AL GR D9	17600 lm





# Starsense Wireless

## LLC7300/00 Starsense Wireless 1-10V/DALI

Starsense Wireless is a networked controls system based on two-way wireless communication using the latest in mesh network technology. The system enables individual light points to be controlled remotely and to be managed via online platforms, like CityTouch. Lighting operators can control remotely the outdoor lighting infrastructure setting dimming levels to achieve considerable energy savings and can get real time feedback from the luminaires reducing operating and maintenance costs via accurate scheduling of on-site maintenance service tasks, while improving both the quality and reliability of outdoor lighting.

### Product data

Product Data	
Full product code	871829118542000
Order product name	LLC7300/00 Starsense Wireless 1-10V/DALI
EAN/UPC - Product	8718291185420
Order code	913700347903
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	24
Material Nr. (12NC)	913700347903
Net Weight (Piece)	0.120 kg



# Starsense Wireless

## LFC7300/00 Starsense Wireless SC Kit

Starsense Wireless is a networked controls system based on two-way wireless communication using the latest in mesh network technology. The system enables individual light points to be controlled remotely and to be managed via online platforms, like CityTouch. Lighting operators can control remotely the outdoor lighting infrastructure setting dimming levels to achieve considerable energy savings and can get real time feedback from the luminaires reducing operating and maintenance costs via accurate scheduling of on-site maintenance service tasks, while improving both the quality and reliability of outdoor lighting.

### Product data

Product Data	
Full product code	871829113745000
Order product name	LFC7300/00 Starsense Wireless SC Kit
EAN/UPC - Product	8718291137450
Order code	913700344403
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	1
Material Nr. (12NC)	913700344403
Net Weight (Piece)	2.240 kg