PHILIPS

Starsense Wireless

Specification Sheet

LCN73X0/00

Starsense Wireless Segment Controller RF Module

The Segment Controller (SC) serves as the connection point between the Philips RF Outdoor Luminaire Controller (RF OLC) and the monitoring and control interface.

The SC assembly is a combination of:

- Segment Controller RF Module
- Segment Controller Kit

LCN73X0/00

The Segment Controller RF module (SC RF Module) is based on the same Radio Frequency (RF) technology as the RF OLC and is connected to the CPU via the USB cable. This connection transfers all commands and data from and to the SC RF module. For optimal communication the Starsense Wireless SC Antenna is connected to the SC RF module. The SC RF module for Starsense Wireless operates at different frequencies depending on the region in the world where it will be installed. All region specific SC RF modules use sub-GHz frequency (IEEE802.15.4) and connect to the RF OLCs using mesh networking.
It is designed and produced by Signify and is mountable on a DIN rail.

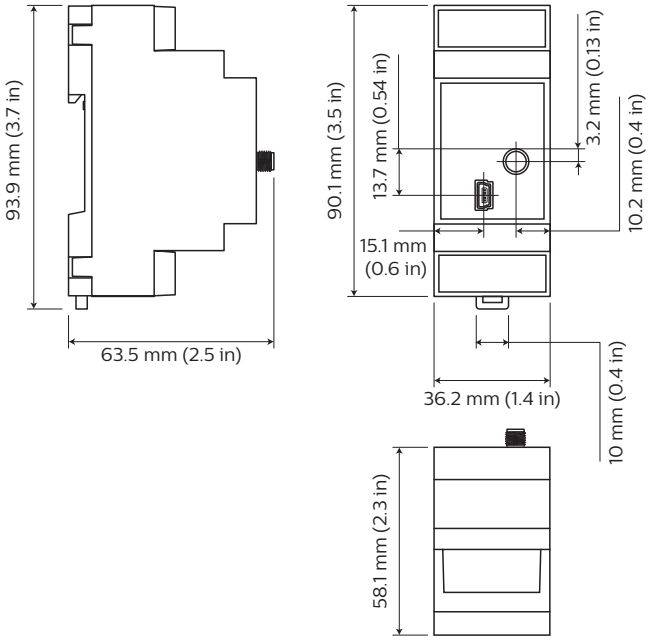
The Segment Controller Kit (SC Kit) consists of the following components required to monitor, control and manage RF OLCs to form a Starsense Wireless system.

The LFC7300/00 SC Kit includes:
- LCA7302/00 Starsense Wireless SC PSU
- LCA7303/00 Starsense Wireless SC Antenna
- LFC7301/00 Starsense Wireless SC CPU
- LCA7301/00 Starsense Wireless SC CF Card
- LCC7303/00 Starsense Wireless SC Power Cord
- LCC7302/00 Starsense Wireless SC USB Cable.

Benefits and advantages

The major benefits and advantages of using the Starsense Wireless Telemanagement system are:
- Improve safety by detecting, reporting and reducing night black-outs
- Reduce energy consumption through dimming and switching
- Save costs on maintenance through reduced lamp scouting and improved predictive maintenance
- Reduce light nuisance so that the light levels are in harmony with their surroundings and dim-up on-demand when required.

Dimensional drawing



Specifications

Operating conditions

Ambient temperature (ta)	-30 °C to +65 °C
Relative humidity	10 to 90%
Max. housing temp. (tc)	80 °C

Non-operating conditions

Storage Temperature	-40 °C to +85 °C

Power consumption

Typical	0.3 W

Radio Frequency

Protocol	IEEE802.15.4
Frequency band	sub GHz Range Open field: 50 m from SC to OLC at a minimum antenna height of 0.5 m above ground level

Housing

Ingress Protection	IP20
DIN Rail Mounting	Compatible with TS35/7.5 or TS35/15
Dimensions	36.2 x 93.9 x 63.5 mm (1.42 x 3.7 x 2.5 in)
Weight	0.05 kg (0.11 lb)
Glow wire test	650 °C
Antenna connection	SMA
USB connection	mini B receptacle

Safety

Approvals	R&TTE directive 1999/5/EC EMC directive 004/108/EC LV directive 2006/95/EC RoHS directive 2002/95/EC REACH directive 2006/1907/EC AS/NZS 4268:2008 + Amdt 1:2010
Safety	EN60950-1
EMC	EN61000 EN55015 ETSI EN 300-220

CE

Packing data

Type	Box dimensions	Qty	Material	Weight net	Weight gross
LCN73X0/00	97 x 37 x 67 mm (3.8 x 1.5 x 2.6 in)	1	Card board	0.061 kg (0.13 lb)	0.08 kg (0.18 lb)

Ordering Data

Type	MOQ	Ordering number	EAN code level 1	EAN code level 3	EOC
LCN7310/00 Starsense Wireless SC RF mod. (868MHz)	1	9137 003 42404	8718291 547440	8718291 547457	547440 00
LCN7340/00 Starsense Wireless SC RF mod. (922MHz)	1	9137 003 49703	8718291 219873	8718291 219880	219873 00
LFC7300/00 Starsense Wireless SC Kit	1	9137 003 44403	8718291 137450	8718291 137467	137450 00

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