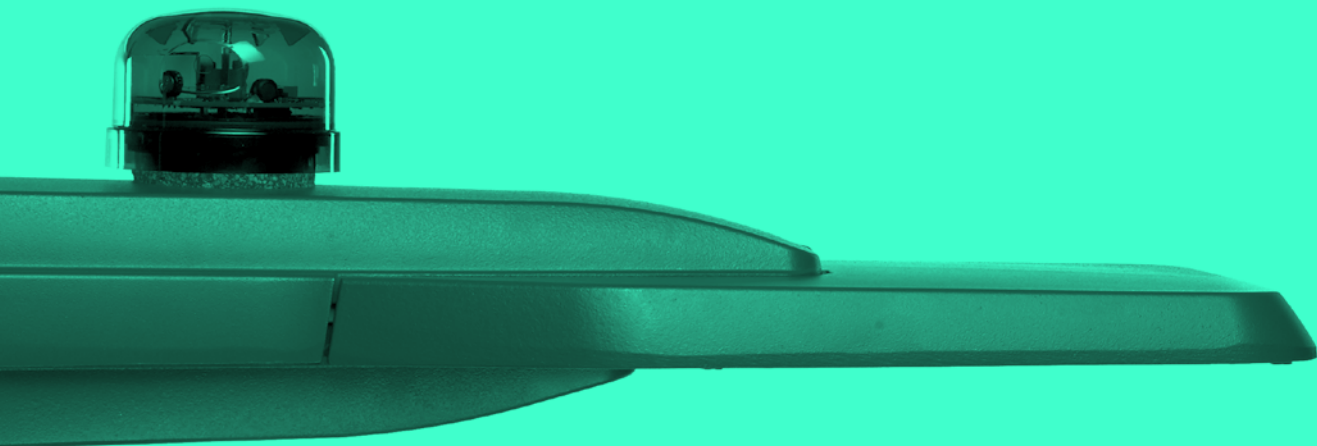


## Telecell: universal streetlight controller



# Telecell: universal streetlight controller

## Overview

Telensa's Telecell is the world's most deployed wireless streetlight controller, with a footprint of 2 million nodes and over 10 years of continuous service. No larger than a regular photocell, Telecell variants are available for every type of streetlight, including decorative fixtures.

<b>Long range system</b>	non-line-of-sight range up to 10 miles (16km)
<b>Very low power consumption</b>	up to 4x less than mesh networks
<b>GPS</b>	GPS plots lights in central management system and in asset management map system
<b>Revenue grade meter system</b>	for time-of-use energy consumption
<b>Full coverage</b>	relay function means all lights and street furniture covered
<b>Robust</b>	operates normally and logs activity even when disconnected from the network
<b>Resilient</b>	automatically connects to best available base station, always covered by multiple base stations
<b>NFC</b>	NFC chip and smart device app for no-touch provisioning





### NEMA

### Conduit

### 2-Part

### Post Top

### 480 V NEMA

<b>Regulatory</b>	Standards available	FCC/ETSI/UL/IC/EN/CE	FCC/ETSI/IC/EN/CE	FCC/ETSI/IC/EN/CE	FCC/ETSI/UL/IC/EN/CE	FCC/UL/IC
	Country approvals	Contact Telensa for detail	Contact Telensa for detail	Contact Telensa for detail	Contact Telensa for detail	US/Canada
	Manufacturing	ISO9001 and ISO14001	ISO9001 and ISO14001	ISO9001 and ISO14001	ISO9001 and ISO14001	ISO9001 and ISO14001
<b>UNB Radio</b>	Supported bands; International:	902–928MHz	902–928MHz	902–928MHz	902–928MHz	902–928MHz
	EU:	868.0 – 869.6MHz	868.0 – 869.6MHz	868.0 – 869.6MHz	868.0 – 869.6MHz	
	Receiver sensitivity (minimum)	–124dBm	–124dBm	–124dBm	–124dBm	–124dBm
	Transmit power (Maximum ERP)	25 – 100mW	25 – 100mW	25 – 100mW	25 – 100mW	25 – 100mW
<b>NFC Radio</b>	Supported	Supported	Supported	Supported	Supported	Supported
<b>Environmental</b>	IP rating	IP66	IP66	IP66	IP66	IP66
	IK rating	IK08	IK06	IK05	IK07	IK07
	Temperature (°C/ °F)	–40 to +70 / –40 to +158	–40 to +70 / –40 to +158	–40 to +70 / –40 to +158	–40 to +70 / –40 to +158	–40 to +70 / –40 to +158
	Relative Humidity Range	5% – 95%	5% – 95%	5% – 95%	5% – 95%	5% – 95%
	UV resistance	UL UV (f1) rated	UL UV (f1) rated	UL UV (f1) rated	UL UV (f1) rated	UL UV (f1) rated
<b>Power</b>	Voltage (nominal VAC)	100–240 or 100–277 for US	100–240 or 100–277 for US	100–240 or 100–277 for US	100–240 or 100–277 for US	347 – 480
	Consumption (typical)	0.7W	0.7W	0.7W	0.7W	2.2W
	Switching	10A	10A	10A	10A	5A
	Dimming (on-board)	0 – 10V or DALI	0 – 10V or DALI	0 – 10V or DALI	0 – 10V or DALI	0 – 10V or DALI
	Surge protection	10kV/5kA	10kV/5kA	10kV/5kA	10kV/5kA	6kV/3kA
		(tested to ANSI 136.10)	(tested to ANSI 136.10)	(tested to ANSI 136.10)	(tested to ANSI 136.10)	(tested to ANSI 136.10)
<b>Metering</b>	Accuracy	High-Accuracy Revenue Grade	High-Accuracy Revenue Grade	High-Accuracy Revenue Grade	High-Accuracy Revenue Grade	High-Accuracy Revenue Grade
<b>Physical</b>	Connections	5/7 PIN (ANSI C136.41)	5 wire (dimming)	5 wire (dimming)	5/7 PIN (ANSI C136.41)	5/7 PIN (ANSI C136.41)
		3 PIN (ANSI C136.10)	3 wire (on/off only)	3 wire (on/off only)	3 PIN (ANSI C136.10)	3 PIN (ANSI C136.10)
	Dimensions (H x D)	58.6x 86.6mm [2.31 x 3.41"]	58.6x 86.6mm [2.31 x 3.41"]	34 x 89mm [1.34 x 3.5"]	58.6x 86.6mm [2.31 x 3.41"]	113.5x 87.9mm [4.47 x 3.46"]
	Antenna	Internal	Internal	External* (purchased separately)	External* (purchased separately)	Internal
<b>Location</b>	2.5m CEP	2.5m CEP	2.5m CEP	2.5m CEP	2.5m CEP	2.5m CEP

\*External antenna options

<p><b>Twig</b></p>  <p>H: 102mm [4.02"]</p>	<p><b>Low profile</b></p>  <p>H: 104mm [4.09"]</p>	<p><b>Easy-fit</b></p>  <p>H: 130mm [5.12"]</p>
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# Telensa

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## HQ and EMEA

Telensa Limited, Iconix 3,  
London Road, Pampisford,  
Cambridge, CB22 3EG, UK

**Sales & General** +44 (0)1799 588800

**Support** +44 (0)1799 399200  
support@telensa.com

## Americas

**Sales** +1 770 551 8156

**Support** +1 855 399 7900  
support@telensa.com

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## Asia Pacific

**Sales** +61 419 475 878

**Support** support@telensa.com