

T-Light™ Galaxy Base Station

T-Light Base Station Galaxy is a principal component of the T-Light Galaxy long-range street light control network. Base Station Galaxy is installed on a strategically chosen site with a high antenna, and can control up to 50,000 light poles within a 20 kilometer radius. Base Station is the key component of the T-Light CMS.

The Base Station uses robust and encrypted two-way communications to manage information traffic and commands for both individual lighting units and for groups of lights. Storing all status and energy consumption information of the remote Luminaire Control Units (T-Light LCU), the Base Station communicates with the Central Management System (CMS) and transmits all control commands to the luminaires. The Base Station provides the monitoring status of each luminaire, including aggregative energy and active power consumption. It provides detailed parameters and values, such as voltage, current, power and temperature.



Base Station Galaxy

Key Features

- Licensed Frequency band
- Long communication range enabling wide area coverage
- Control, Monitor, and Manage up to 50,000 Luminaires with a single Gateway
- Supports over the air firmware upgrade
- Manages the light pole network remotely using advanced management software
- Configurable alerts provided by SMS or EMAIL
- Key component of the CMS
- Back-up option
- Control all fixtures within a 6-15 mile radius
- Can read, monitor, and control Galaxy enabled utility meters
- Stores network and individual luminaire data and history
- Easy remote management and upgrading
- On-Board NMS
- Highest level of security and encryption

T-Light™ Smart Lighting System

T-Light™ Galaxy Base Station

RF Specification

Frequency:	400-470 MHz - Licensed band
Bandwidth:	6.25 kHz
Receiver Sensitivity:	-120 dBm @ 4.8 kbps
Output Transmit Power:	Up to +43 dBm / 20 Watt max
FCC Part 90.210 Certification (Spectrum mask E)	

External Interface

Ethernet, RS232/RS485
USB PORTS
I/Os

Electrical Specifications

AC Input Voltage:	110/230 VAC @ 50-60 Hz
Operating Temperature:	-40°C to +72°C

Mechanical Specification

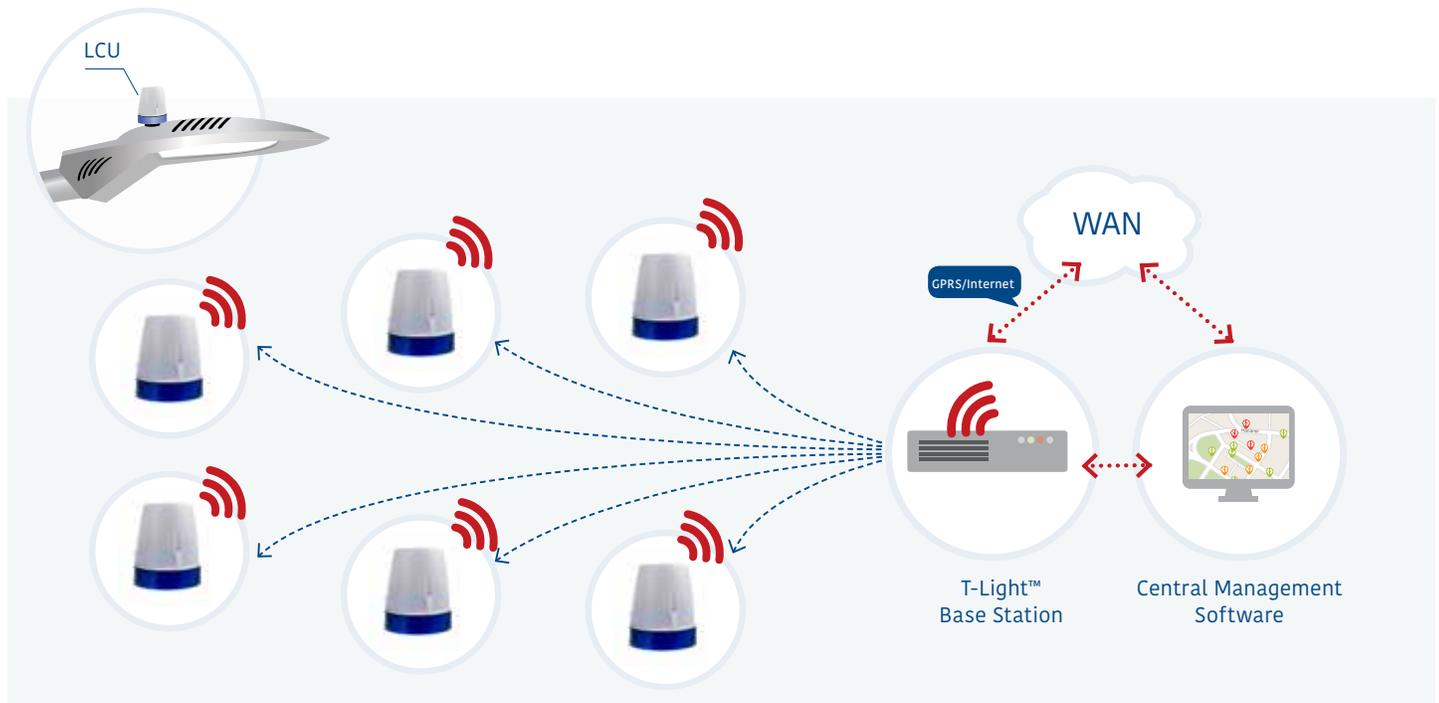
Base Station enclosure:	Rack-mount 19-inch
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Per Customer Request

Installations:	Base Station in IP65 enclosure
Physical Dimensions:	260 x 180 x 65 mm

External Cellular Modem

GSM / GPRS / WCDMA
External antenna
SIM card



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