EliteControl

FULHAM

SIG Qualified Bluetooth® Mesh Lighting Control System

A complete hardware and software solution

The next phase in the evolution of lighting is here. Wireless lighting control provides endless potential for cost savings, asset management, and enhanced user experience. And the communication technology driving this revolution is Bluetooth mesh, a simple, intuitive system that opens up a world of new possibilities.

Why Light with Bluetooth?

Bluetooth

Bluetooth mesh is an emerging platform for connected lighting that is paving the way to IoT smart lighting. It provides fast, reliable performance, unmatched scalability, high-level security and out-of-the-box interoperability, creating opportunities for larger, more efficient lighting networks.

WIRELESS

High speed communication at distances of over 300 feet, creating massive savings on installation and wiring

SCALABLE

Start small with a single room, or connect thousands of devices in a building-wide installation

SECURE

Advanced encryption standards with multiple authentication keys for maximum protection

RELIABLE

Self-healing network prevents communication losses and allows devices to be added or removed without disruption

INTEROPERABLE

All SIG Qualified Bluetooth mesh devices can communicate seamlessly, regardless of manufacturer

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IoT (Internet of Things) Gateway

An IoT gateway that extends the mesh network with Internet access. It allows our partners to collect data from their Bluetooth mesh lighting networks and transmit them to the Fulham Cloud, from where it can be visualized and analyzed. The CTGATBPOE also allows the partners to have control over lighting control functions.

Specifications

Model Number	DC Power Supply	Communication Protocols	Dimensions (L x W x H)	Computing & Storage	Ethernet	Security
CTGATBPOE	12V, 1-1.5A or PoE 802.3 af	Bluetooth mesh, TCP/IP, IPv4	4.7" x 4.7" x 1.0"	800 MHz ARM A7 with 512 MB RAM; 8GB of Storage	10/100 Ethernet with PoE 802.3 af	Linux OS, secure boot & encrypted file system; automatic security updates

Connected Driver

WORKHORSE FULHAM

A 40W, 0-10V constant current driver with the unique ability to add Bluetooth mesh connectivity by attaching an intelligent Bluetooth antenna. Compatible with third-party sensors, wall switches, and other devices, the connected driver serves as the core component for powerful, easy-to-expand connected systems.

- 0-10V dimming standard. Add Bluetooth dimming with optional ESLI01HB01 SmartLink
- Compatible with Fulham's SmartSet programming platform

Specifications

Model Number	Input Voltage (VAC)	Watts	Output Voltage (VDC)	Dimensions (L x W x H)	Case Type	Case Qty.
T2C1UNV150P-40L	UNV (120-277)	40	10-57	6.61" x 1.97" x 1.18"	Compact w/End Leads	30

2018 PROGRESS Report SELECTION

EC&M Product of the Year 2019 Category Winner

Bluetooth to 0-10V SmartBridge

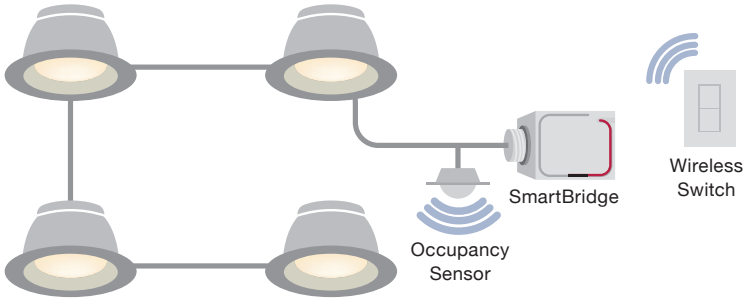
A simple, easy-to-install component that connects to an existing 0-10V driver to add SIG Qualified Bluetooth mesh capability. The SmartBridge is an ideal solution for manufacturers looking to develop their Bluetooth product lines or contractors seeking to provide wireless lighting options in the jield.

Specifications

Model Number	Max Load (W)	Max Input Current (A)	Input Voltage (VAC)	IP	Features	Dimensions (L x W x H)	Case Qty.
CTBRCB02JM02	600	5	UNV (120-277)	66	On / Off, 0-10V Dimming Control, Sensor Input	5.17" x 2.26" x 1.29"	30
CTBRCB03JM03-PC					On / Off, 0-10V Dimming Control, Sensor Input, Color Control, Power Metering		

Endless Possibilities, Custom Configurations

The flexibility of Bluetooth mesh allows spaces to be designed in countless configurations. In the common office installation shown to the right, four standard 0-10V luminaires are connected to a Bluetooth SmartBridge, occupancy sensor, and wireless switch. The entire room can then be controlled by a single Bluetooth switch, with occupancy sensing for energy savings, and minimal new wiring.



Accessories

Specifications

Model Number	Description	Dimensions	Case Qty
ESLI01HB01	Bluetooth SmartLink (attaches to Connected Driver to provide Bluetooth capability)	1.33” length x 1.99” dia.	20
ELIOPJX00SR	Short-range PIR occupancy and daylight harvesting sensor for SmartBridge	2.5” length x 1.65” dia.	30
ELIOPJX00LR	Long-range PIR occupancy and daylight harvesting sensor for SmartBridge	2.5” length x 1.65” dia.	30
ESLTOPJX00SR	Short-range PIR occupancy, daylight harvesting sensor and Bluetooth Radio for connected LED driver	2.5” length x 2.24” dia.	24
ESLTOPJX00LR	Long-range PIR occupancy, daylight harvesting sensor and Bluetooth Radio for connected LED driver	2.5” length x 2.24” dia.	24
ESRPB-W-EO	Single Rocker EnOcean Switch for Bluetooth	4.95” x 3.21” x 0.74”	24
EDRPB-W-EO	Double Rocker EnOcean Switch for Bluetooth	4.95” x 4.52” x 0.72”	24

Sensors
ELIOPJX00SR
ELIOPJX00LR
ESLTOPJX00SR
ESLTOPJX00LR

Bluetooth SmartLink
ESLI01HB01

Single Rocker EnOcean Switch for Bluetooth
ESRPB-W-EO

Double Rocker EnOcean Switch for Bluetooth
EDRPB-W-EO

Bluetooth Mesh Lab Kit

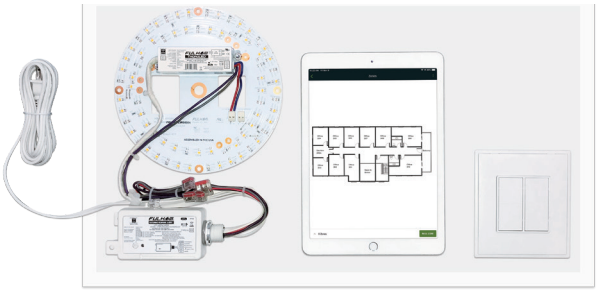
The simple way to get started with Bluetooth

Ready to take the first step with Bluetooth mesh? There’s no better way than to experience it yourself. Fulham’s complete Bluetooth mesh lab kit has everything you need to launch your implementation.

In less than 30 minutes, you’ll be testing Bluetooth mesh in your lab and planning your future.

Contents:

- Bluetooth SmartBridge
- iPad® with eliteBlue Commissioning app
- EnOcean Double Rocker switch
- 9W Vizion LED Engine
- Documentation



Contact Fulham to order your Bluetooth Mesh Lab Kit today

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Fulham eliteBlue Commissioning Software

Fulham's eliteBlue commissioning software provides an intuitive set of tools for commissioning and monitoring qualified Bluetooth mesh lighting devices. Using simple web and iOS apps, users can easily customize lighting control parameters in accordance with site-specific needs and building energy codes.

WEB PORTAL

Used off site to manage lighting installation projects and plan commissioning, including mapping zones within a building, setting up control scenarios for zones and managing users collaborating on the project.

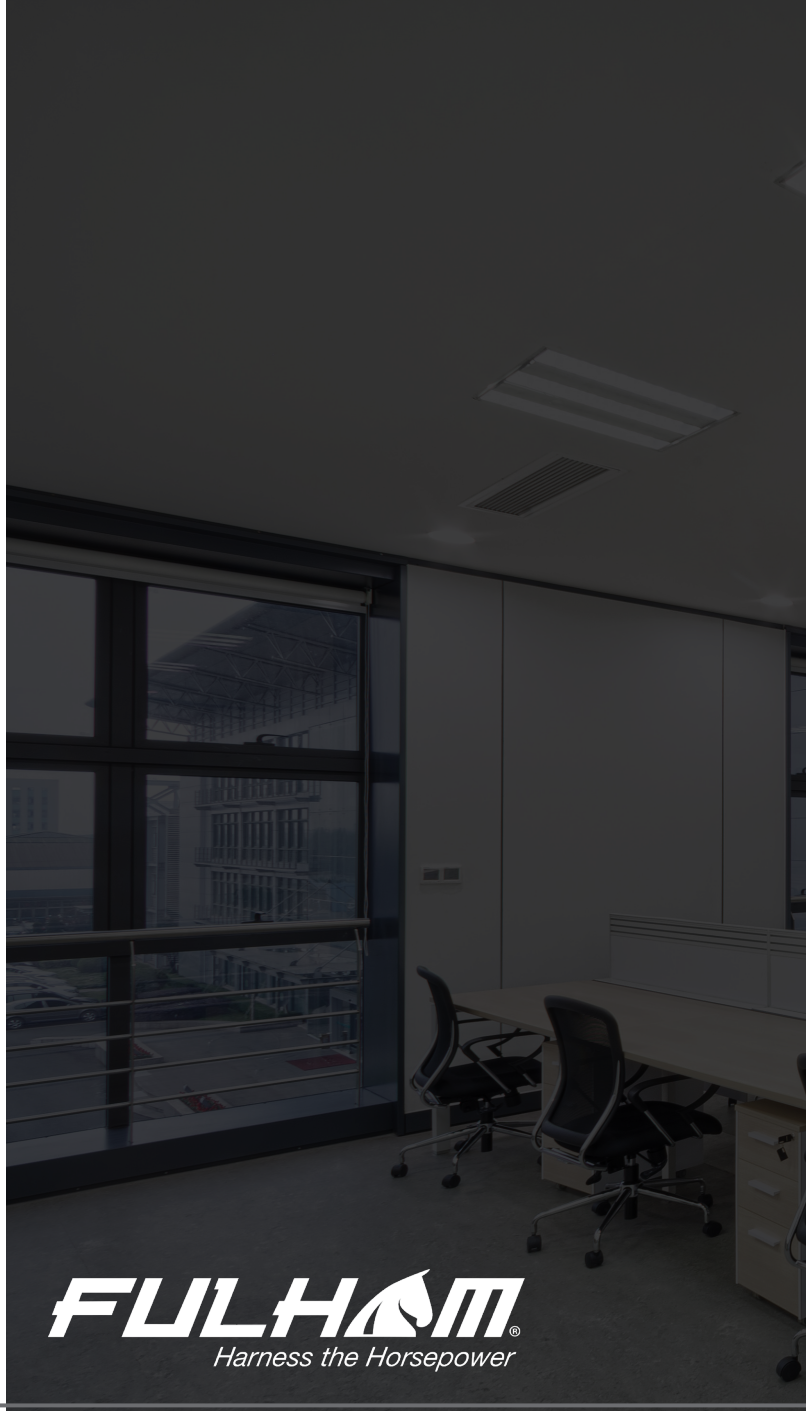
Try it at eliteblue.fulham.com

MOBILE APP FOR IOS

Used onsite to commission devices and fine-tune installations. No specialized training or lighting control expertise is needed- the intuitive interface lets you add Bluetooth mesh lighting devices to a wireless network in no time.

Download on the App Store

See for yourself how simple working with Bluetooth mesh can be. Visit **www.fulham.com/videos/eliteblue** for video walkthroughs of the commissioning process, custom scenarios, scene creation, and more.



FULHAM®
Harness the Horsepower

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