



Smartlighting and Control

A turnkey Smartlighting & Device Control solution that is reliable, affordable, and easy to implement

MeshTek™ Smartlighting and Device ON/OFF Controllers

Adding Smartlighting to your lighting portfolio has never been easier and faster



- Plug & Play integration that's best for fixtures, luminaires, and drivers
- Ready iOS & Android apps with Cloud support
- Built-in antenna with up to 120 meter range
- High input voltage range of 5V to 80V
- High current rating up to 10A
- Scheduling with built-in Real Time Clock
- 50mm X 60mm size
- Available with and without cover



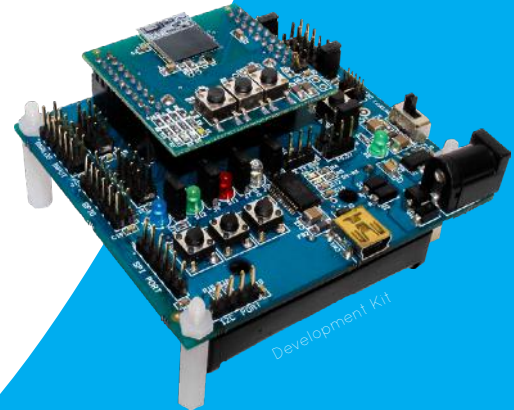
Dual 0/1-10V Controller
Horticulture Lighting



PWM for Multicolor Lighting
& ON/OFF Device Control

Control Options

- Dual 0/1-10V Control – Suitable for Horticulture and Adjustable White Lighting. Ability to turn OFF LEDs with 1-10V control
- PWM (up to 4 Channels) Control – Suitable for Multicolor Lighting and Device ON/OFF Control



Development Kit

MeshTek™ H51 & H52 Modules

Transform your devices into Smart Devices

- Best for lamps and small form factors
- Nordic's nRF51 & nRF52 chipset
- 256kB Flash / 32kB RAM (H51)
- 512kB Flash / 64kB RAM (H52)
- SPI, I2C and UART Interfaces
- Suitable for 4 PWM Channels
- 1.8V to 3.3V input supply
- -40degC to 85degC
- 17mm x 20mm size
- MeshTek Stack Ready
- Up to 120m Range



MeshTek™ H51/H52 module
For BLE IoT application

Unique Features at Your Fingertips

Use the ilumi Mobile App or Create Your Own Killer Application



Scheduling



Proximity Services (Beacons)



Account Management



Programs



Wellness



Energy Monitoring



Effects



Support Dashboard



OTA Firmware Updates

A PROVEN SOLUTION

Award-winning MeshTek Technology used in ilumi LED Smartbulbs by thousands today.



“ The ilumi smart lightbulbs can do a lot more than just change color. ”



MeshTek™, The Most Advanced Bluetooth® Mesh Simple, Flexible, & Reliable Connectivity with Bluetooth® Smart

	ilumi MeshTek™	CSRmesh™ Module
Chipset	Nordic nRF51 & nRF52	CSR101X
Mesh	Connection + Broadcast	Broadcast
Flash / RAM	256kB / 32kB (H51) 512kB / 64kB (H52)	Up to 64kB / 64kB
Mesh Data Size Support	Large size & high rates (Programs, schedules, & themes)	Limited size & rate
Mesh Data Transfer Reliability	High	Limited
Firmware Update	Over the Air update & auto-network propagation	Over the Air update
Simultaneous Broadcast & Connection Based Meshing	Yes	No
PWM	Yes	Yes
Module to Module Open Air Range	Up to 400 feet	Up to 100 feet, standard
Proximity Support	Yes	Yes
4 Channel PWM Control Option	Yes	Limited

For sales and distribution please contact: info@ilumisolutions.com or 1 (888) 502-0575 Ext. 5
Download datasheets at www.ilumisolutions.com.