

## SSL 360 DESIGN INNOVATION

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# intelliSSL™ Wireless LED Products for Commercial, Residential, Hospitality

TSR is pleased to announce a new suite of intelliSSL™ wireless LED products and application solutions for commercial, hospitality and general lighting.

### **PRODUCTS**

TSR patent and patent-pending intelliSSL™ LED lighting products provide strong wireless reception, minimal signal interference while conforming to ANSI standard formats. They require no external radio modules or antennas.

Building on its launch of the world's first wireless LED MR16 in April 2013, TSR is pleased to introduce additions to its product family; BR30, PAR30 and A19. The intelliSSL LED lamps incorporate ultra-compact driver architectures and powerful antenna systems designed to maximize reception strength using the ultra-low-power JN5168 wireless microcontroller from NXP Semiconductors. TSR intelliSSL™ wireless LED lighting devices and systems bring Smart Solutions to any mobile device.







#### **APPLICATIONS**

Commercial, residential and hospitality are fast growing IoT wireless lighting market segments. Restaurant applications for entertainment, dining and bar lounge areas require flexible lighting with adjustable settings for special functions or events. Also specific illumination for important safety areas such as hallways, restrooms, entrance and exits, cook and wait areas.

Pin point lighting for decorative accents, pieces of art, gardens and entertainment.

Hospitality applications for rooms, suites, pools, entertainment and dinning.

Integrated benefits with smart scheduling and daylight harvesting technologies.

#### **SOLUTION**

With TSR intelliSSL wireless LED lighting, powered by LumiFi, smart lighting is made easy, secure and works from your mobile device for remote or local monitoring and control through iOS, Android and Windows.

## TSR Control for intelliSSL™ Wireless LED Lighting

TSR's intelliSSL wireless products can be used with a wide range of network software protocols including: ZigBee® Light Link, ZigBee Home Automation and JenNet-IP™. They are WiFi compliant with IEEE 802.15.4 standards for wireless communication.

intelliSSL™ Smart LED Lighting feature patent pending designs for integrated WiFi antennas helping signal strength and mesh networking that stays connected with heavy WiFi traffic.



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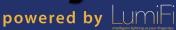
### **IoT Compatibility**

As the IoT unfolds in our lives, confusion is commonplace and interoperability is a problem. TSR is working to resolve these issues in several ways:

- TSR is ensuring its products are compliant with IEEE 802.15.4 standard for wireless communication and can be used with a wide range of network software stacks including: ZigBee® Light Link, ZigBee Home Automation and JenNet-IP™.
- TSR intelliSSL™ LED lighting products will operate across diverse systems such as Philips Hue, TCP Wireless, Greenwave Reality and Lumifi's lighting platform. Our aim is to be system agnostic and ensure our products can be used by anyone, anywhere.
- TSR is offering an intelligent lighting solution. TSR intelliSSL™ LED lighting products powered by LumiFi will simplify wireless lighting systems, bring clarity to applications and make interoperability a problem of the past.



## intelliSSL™ Wireless Lighting



### **About TSR**

TSR is an advanced manufacturer of LED lighting. With USA manufacturing, TSR products are based on advanced integrated designs supported by international pending and issued patents. Intelligent lighting has been a focus from the beginning for TSR having announced its wireless MR16 at Lightfair 2013. With production slated to begin in 2014, TSR is expanding its product offering to include BR, PAR and A lamp style form factors. TSR SSL Plastics Designs deliver uncompromised performance, plug and play advanced manufacturing and advanced wireless lighting technology. From white label to branded, we welcome the opportunity to discuss your lighting solutions today.

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