

## 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 dining.

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.



# SSL 360 DESIGN INNOVATION

## 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

powered by **LumiFi**  
Intelligent lighting at your fingertips

## 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.

**Thermal Solution Resources, LLC**  
91 Point Judith Road, Suite 123  
Narragansett, RI 02882



T: 401-515-3269  
info@thermsource.com  
www.thermsource.com  
twitter: @thermsource  
linkedin:  
/company/thermal-solution-resources-llc

The information contained herein is provided for preliminary informational purposes only and for initial evaluation of the product and designs. As a result, they are not appropriate for the purpose of developing a final specification and should not be relied on for such specification purposes. Thermal Solution Resources extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of this information or this product for any purchaser's or user's use or for any consequence of its use. Thermal Solution Resources, LLC disclaims any warranty of merchantability or warranty of fitness for any particular use. All statements, technical information and recommendations contained herein are based on seller's or manufacturer's tests and the tests of others. Judgment as to the suitability of information herein for the user's purposes is necessarily the user's responsibility. Users shall determine the suitability of the products for the intended application.



intelliSSL and moduLED are trademarks of Thermal Solution Resources, LLC. JenNet-IP is a trademark of NXP Semiconductors. All other trademarks are property of their respective owners.