THERMAL SOLUTION RESOURCES

SSL 360 DESIGN INNOVATION

Issue 2 | April 2013

intelliSSL™ LED MR16

World's smallest wireless LED lamp

The patent-pending intelliSSL™ LED MR16 design provides strong wireless reception, eliminating signal interference while conforming to 1.98" x 1.98" ANSI standard format with no external radio modules or antenna.

The intelliSSL™ LED lamp incorporates an ultra-compact driver architecture with a powerful antenna system, designed to maximize reception strength, and uses the ultra-low-power JN5168 wireless microcontroller from NXP Semiconductors. intelliSSL™ LED lighting devices and systems bring Smart Solutions to any mobile device.

intelliSSL™ MR16

This small lamp is made with TSR's patent pending moduLED™ design which eliminates thermal bottlenecks and inefficient assembly steps while strengthening wireless range and data accuracy.

intelliSSL™ LED MR16 is a powerful and smart LED lamp for use in general lighting, down lighting, spot lighting, accent and cove lighting, architectural, indoor or outdoor lighting.

Smart LED lighting with TSR's patent pending integrated wireless antenna technology out performs existing technology and offers the greatest coverage for wireless data and control transmission.

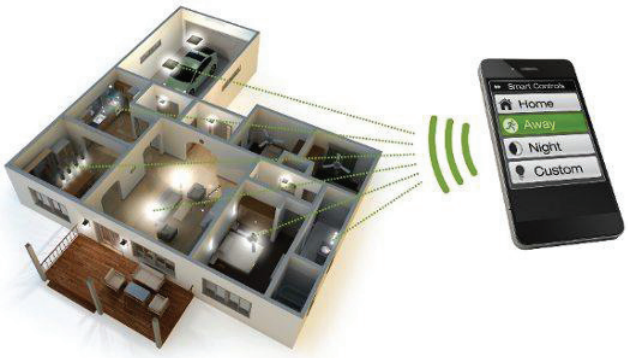
TSR SSL Control for intelliSSL™ LED Lighting

Compliant with IEEE 802.15.4 standard for wireless communication, TSR's new intelliSSL™ wireless LED MR16 and intelliSSL™ PAR/BR can be used with a widerange of network software stacks including: ZigBee® Light Link, ZigBee Home Automation and JenNet-IP™

Remote or local control through iOS, Android, Windows SmartPhones, Tablets and PCs.

intelliSSL™ Smart LED Lighting

Cloud based applications for every business that make your energy management as easy as taking out your Smart Phone and turning your lights on, off, dimming , individually or in groups by area of your business inside or outside, locally or where ever you may be.



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intelliSSL™ MR16 GU5.3

IntelliSSL™ Wireless LED MR16 Product Features

- IEEE 804.15.4 compliant, supports software stacks for JenNet IP, ZigBee Light Link, ZigBee Home Automation
- Control from SmartPhones/Tablets/PCs for ON-Off-Dimming, Motion, Camera interface, time and event scheduling
- Inset antenna for strong signal reception
- 5 year limited warranty, 35,000 hour life
- RoHS compliant, no mercury or UV/IR radiation
- Operating Voltage: 12V AC/DC
- ANSI standard form factor
- Patent Pending

Coming soon: intelliSSL™ Wireless LED GU10 110/220VAC, 50/60 Hz.

TSR Part #	Halogen Equivalent	Power	CRI	Beam Angle	CCT
iSSL16-300-830-NFL-D35	35 W	6.5 W	82	25°	3000K, 5000K
iSSL16-300-830-FL-D35	35 W	6.5 W	82	35°	3000K, 5000K
iSSL16-300-830-WFL-D35	35 W	6.5 W	82	60°	3000K, 5000K

Specifications are typical values and may change without notice.

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