



Internet Through Light™

LiFi by LumEfficient

DOWNLIGHT
DESK LAMP

Benefits

Fast Speeds:

- 10-30 Mbps (Current)
- 100 Mbps (2019)
- 225 Gbps (theoretical)

More Secure:

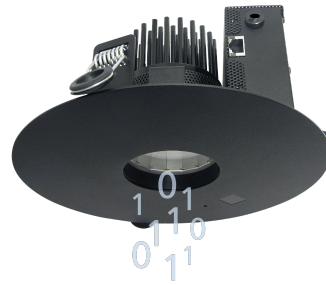
- Line of Sight—won't penetrate through walls or buildings
- Uses WISeKeyIoT technology for superior Root or Trust technology

More Bandwidth:

- 2-way communication
- Up to 1,000x more available bandwidth than Wi-Fi

Applications:

- Secure Offices
- Conference Rooms
- Military
- Hospitals
- Banks



OUR SERVICES

Site Evaluation

Application Consulting

Installation Support

LumEfficient

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Communication
LiFi connection between LiFi Lamp and Device (IEEE 802.15.7r1) data rate downlink: 13Mbps
LiFi (IEEE 802.15.7r1) data rate uplink: 10Mbps
Light OFF mode (connection without visible light)
Power over Ethernet (IEEE 802.3af)

Electrical Characteristics
Power over Ethernet (IEEE 802.3af)
Ethernet cable length: 2m - with male RJ45 connector Compatible with PLC modules and PoE injectors
Light source: LED
Nominal power: 13W
Lumen: 800lm for 4000K
Color temperature: 2200K (warm white) to 6500K (cold white)
LED life time: 50,000h
Programmable lighting ambiance
Customizable ambiance (color temp. and dimming)

Mechanical Characteristics
Indoor use
Ingress protection: IP20
Pivoting head and Balance arm
Main material: white-painted aluminium
Colours of the wire: red (standard); yellow and blue (on demand)
Dimensions: head and base 200mm / 355 to 700mm tall / 600mm large / base 200mm.
Net Weight: 4.4kg (without packaging)

Equipment Included
1 LiFi dongle for computer (Windows, Macbook and Android compatible devices) with USB A and USB C cable.

Products Available for:
2-way communications (Internet)
1-way communication