



The «LiFi by Lucibel» solution

Innovative and environment-friendly solution

Lucibel has developed the very-first lighting fixture in the world equipped with LiFi (Light Fidelity) technology, which provides LED light-based Internet access. LiFi is a technology that allows communication through modulated LED light. A special LED lighting exchanges data with a computer, thereby making Internet access possible. The two-way broadband data transfer is active within the light beam only. This system guarantees total data protection. LiFi provides a great alternative to WiFi in areas where the exchange of information must be secured.

In November 2018, Lucibel brought its 2nd generation of LiFi lighting onto the market with a higher transfer rate and a sales price divided my more than 2.



> Highly secure data transfer:

A connection is only possible within the light cone, thus creating a data confidentiality zone and offering increases safety when transferring data.

> An alternative to radio waves (WiFi):

With LiFi, the data is transferred by the light beam between the network and the user's IT device with **no interference whatsoever to the surrounding radio waves and subsequently no disturbance in the operation of medical equipment** (scanner, MRI, ...). The absence of radio waves also enables LiFi technology to be **used in areas where access to WiFi is limited or non-existent**, an example of such areas are those governed by the Abeille law of 2015 prohibiting the deployment of WiFi in buildings receiving children under the age of 3 (nurseries, maternity wards, neonatology wards,...).

- > The creation of connected and flexible work places:
 The «LiFi by Lucibel» solution creates guaranteed and homogeneous connectivity zones in places where WiFi is not available, or limited for technical reasons, thus providing an uninterrupted internet connection.
- > Creation of connectivity zones with guaranteed «Quality of Service (QoS)»:

The «LiFi by Lucibel» concept enables **creation of connectivity zones** where the QoS is guaranteed, with a data transfer rate of 54 Mbps bi-directional and low transfer latency.





The LiFi system developed by Lucibel comprises a LED lighting element, a LiFi USB dongle used to transmit and receive data via light waves thus offering the user total mobility

2nd generation



1^{rst} generation



Rate: **42.5 Mbps**Wiring option: **POE optional**

Rate: 54 Mbps

Wiring option: Integrated POE





LiFi ligting fixture

LiFiCup (Standard and POE)





Code: LC840WH Rate 54 Mbps Colour T°: 4000 K Diffusion angle 76°

LiFi receivers

LiFi USB key



Code: CLELIFI.01





Code: LIFIBOX.01

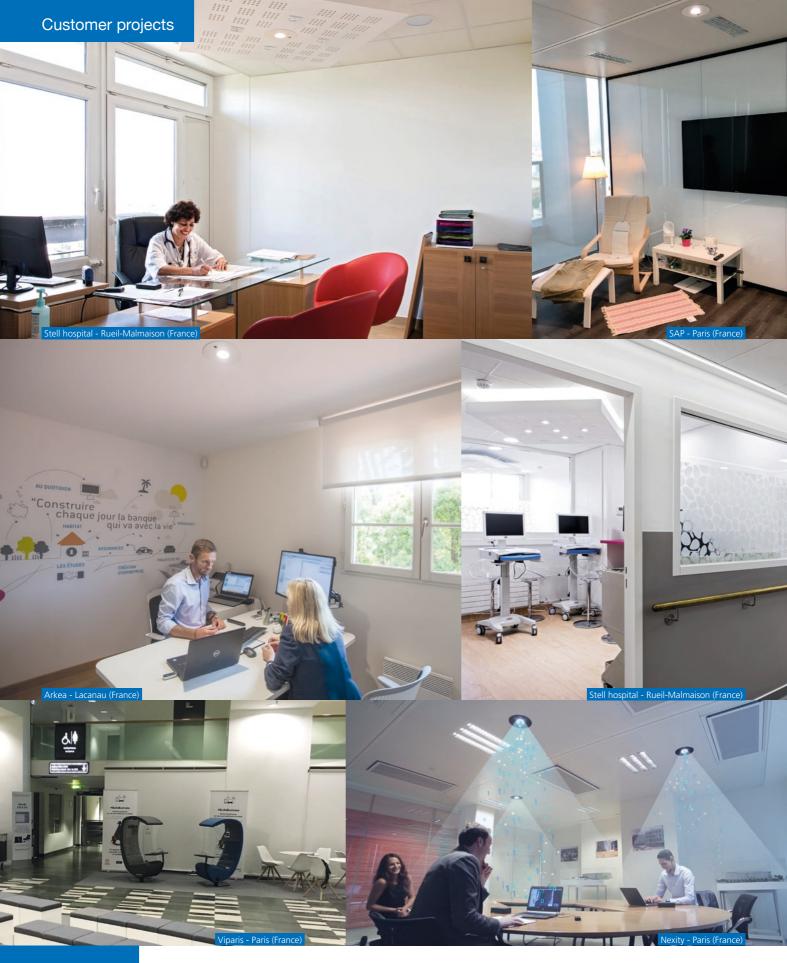
LiFi incorporated products











References





















