



The LiFiCARE Lamp belongs to the LiFiNET® product range from OLEDCOMM.

This lighting fixture has a double function: medical lighting + connection to the Internet by light.

- Lighting meeting healthcare requirements
- Secure and reliable access to the Internet
- No radio-wave
- No interference with medical appliances

LiFiCARE is an example of OLEDCOMM LiFiNET® kit (TxRx-LN-1M-3B-NP) integrated in HEPTA medical lamp from LID Lamps in partnership with BIOLUME.

LiFiCARE is compliant with visible light international communication standard IEEE 802.15.7r1

COMMUNICATION SPECIFICATIONS

LiFiCARE main functionality	Ethernet (IEEE 802.3) to Visible Light Communication (LiFi IEEE 802.15.7) converter
Dongle main functionality	USB to Visible Light Communication (LiFi IEEE 802.15.7) converter
Data rates	1 Mbps downlink + 1 Mbps uplink
Number of users	1 user connected at a time
Photosensor performances	Numerical aperture +/- 30°
Communication range	Up to 1.8m in line of sight
Lamp Connectors	Female RJ45 for network and type F power plug for power
Dongle connectors	USB type A
OS supported	Linux, Windows, Apple

Light source	LED
Light intensity	900 Lumen
Power consumption	7 Watts
Colour temperature	3000°K or 4500°K



LIGHTING SPECIFICATIONS



PROTECTION

Temperature surge	Protected
Voltage surge	Protected

Temperature range	0°C to 70°C
Humidity	10% to 80%



STANDARD CONDITIONS OF USE



NORMS AND REGULATIONS

Electro-magnetic Field	EN55015; EN61547; EN55022; EN55024
Electrical Safety	EN60598; EN61347; EN60950
Photo-biological Safety	EN62471
Other: RoHS, R&TTE (Radio), DEEE.	

Power input	110-220VAC
Network input	Ethernet cable



INPUT SPECIFICATIONS



HOUSING

Type	White Plastic
Isolation level	Class II
Head dimensions	110mm x 100mm
Base dimensions	69mm x 69mm x 115mm
Flexible arm length	650mm by default
Base fixation	Several options

[ITEMS IN LiFiCARE PACK]

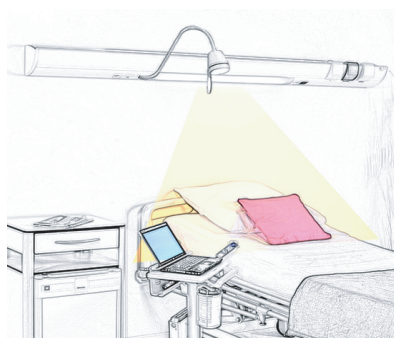


LiFiCARELamp
TxRx-LN-1M-IP-HC



LiFiNET® Dongle
TxRx-LN-1M-IP-KEY

[INTEGRATION DIAGRAM AND ADVICES]



- For doctors and caregivers, it is a reliable and secure access to the patient record next to whom they are standing.
- For patients and accompanying persons, it is a wireless connection to the Internet without radiowaves for a browsing comfort and an atmosphere of wellness.
- For the hospital technical operators, it is a network equipment with simple installation and easy access control setting.



CONTACT

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