



# LIGHT TOUCH-POINT

VLC box for LED lighting fixture



VLC by Lucibel - A Lucibel Group Brand  
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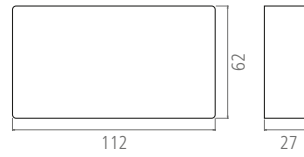


**DESCRIPTION**

VLC box to connect between the driver and the LED fixture. VLC (Visible Light Communication) is using light-modulation system to send an UID (user identifier) detected by the camera of last generation mobile devices (smartphones and tablets). A mobile app is needed for the detection and allows the different use cases for indoor positioning.

**DIMENSIONS**

Unit: mm

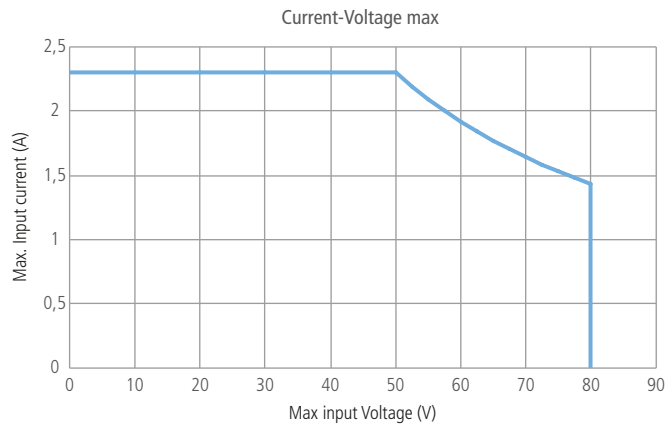


**TECHNICAL CHARACTERISTICS**

Electrical class: Class II

Power: 115W max

Maximum Voltage and maximum current:



Compatible with both constant current and constant voltage drivers

VLC Box to Driver wire distance: 30 cm max

VLC Box to LED fixture wire distance: 3 m max

Cabling: flexible cable with 2 conductors with section between 0,5 mm<sup>2</sup> and 1,5 mm<sup>2</sup>

Materials: PVC box with an integrated electronic card

Operating life: 50 000 h (Ta =25°C)

MTBF: 80 000 h @ 25°C

MTBF: 25 000 h @ 40°C

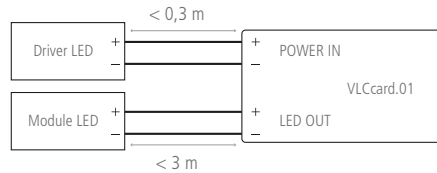
Operating temperature: -20°C / +40°C

Storage temperature: -30°C / +60°C

Reference: VLCcard.01

NB: For dimmable drivers, a compatibility test has to be done by our team to validate the performance of the Light touch point.

**WIRING DIAGRAM**



**VLC RECEPTION**

Compatible smartphones:

Samsung: Galaxy S6, S6 Edge, S7, S7 Edge, S8, S8+

Apple: iPhone 5s, 6, 6+, 6s, 6s+, 7, 7+, 8, 8+

App for reception:

	API	APP Catalogue
IOS 9/10	x	x
Android	x	x
Windows	x	x

REFERENCE	BOX COLOR
VLCcard.01	Black

**DETECTION**

The detection area depends a lot on the kind LED fixture that it's used, mainly due to the beam angle and the power.

Example of the area detection with an Ores 66° 20W.

