

### WAD 4 / sKyact.LC

### IoT INFRASTRUCTURE

Light Controller & Gateway



Externally mounted on the lighting fixtures, WAD 4 controls and integrates the electrical devices using a lamp-as-IoT-hub approach (i.e. 802.15.4 and BLE). WAD 4 receives, via MQTT, the dimming settings scenarios, complete with date & hour of activation, adjusting the controlled lamp accordingly. Also, the device can be used as a gateway by external BLE sensors: it receives data from any BLE device and transforms the contents in MQTT Json message to be sent via MQTT to the platform.

The device is assembled in Nema Socket case and mounted directly on lamps through quick coupling.

#### Product Features

<b>Product Family Code</b>	50.100002.001
<b>Processor</b>	Tensilica LX6 dual core processor
<b>SRAM</b>	520 KB
<b>Wi-Fi &amp; BLE Antenna</b>	Integrated
<b>Wi-Fi Protocol</b>	802.11 b/g/n/d/e/l/k/r
<b>Wi-Fi Standard</b>	FCC/CE/TELEC/KCC
<b>Wi-Fi Frequency range</b>	2.4GHz - 2.5GHz
<b>Ports</b>	<ul style="list-style-type: none"> <li>1 x temperature control</li> <li>1 x luminosity sensor control</li> <li>1 x PIR control</li> <li>1 x humidity control</li> <li>1 x display control</li> <li>4 x dimming control 0-10V</li> <li>1 x RGBW</li> <li>1 x 12C</li> </ul>
<b>Bluetooth Protocol</b>	Comply with BR/EDR/BLE standard of Bluetooth v4.2
<b>Power Input</b>	Integrated power supply 110-230V - output 5VDC
<b>Power Consumption</b>	2W
<b>Operating Temperature</b>	-40°C - 85°C
<b>Dimension / Weight</b>	130 x 70 mm - 250g
<b>Warranty</b>	1 year

