

# Connected Lighting Platform

## Innovation

The Connected Lighting Platform is a modular development kit for prototyping cost-effective, industrial LED lighting solutions. The platform is extremely energy efficient and features wireless control (on/off, dimming, etc.) and two independently controlled LED channels that provide a maximum brightness of 7000 lumens. The system also connects with the RSL10 Sense & Control mobile app to control the dimming, display telemetry data when requested, featuring the RSL10, the industry's lowest power Bluetooth 5 radio SoC on board. Examples and use cases are provided in the CMSIS pack. Platform supports FOTA updates

## Value Advantage

- Less than 200mW of standby power according to CEC 2019
- Dual independent LED Channel
- White Balance control 12bits Dimmer for each channel
- AC source (worldwide) or POE input (802.3bt).
- High efficiency power conversion ( >90% at full load )
- iOS / ANDROID Mobile App “Sense and Control” with multiple features including Energy Consumption computation.
- EMS Friendly and low cost PCB Layout
- Software fully based on FreeRTOS running on RSL10, FOTA updates
- Control via mobile app / Energy Harvesting Switch
- PF>0.99 & PF>0.96 @ 50% Dimming, THD according IEC61000-3-2-2014, EMC according EN55015

## Current Proposition

