



Challenge

- RGB Lighting complex in manufacturing
- Innovation together with Lighting concept has been a challenging domain





♀ ISELED® and Microchip is solving the issue bringing ease of manufacturing and innovation together



Why ISELED and Microchip?

ISELED makes LED lighting easier:

- Colour temperature compensation
- LEDs aging
- LED integration

Microchip's solution offers:

- Optimum selection of the MCU most suitable for the application
- Enables client's adding dynamic lighting effects with innovation

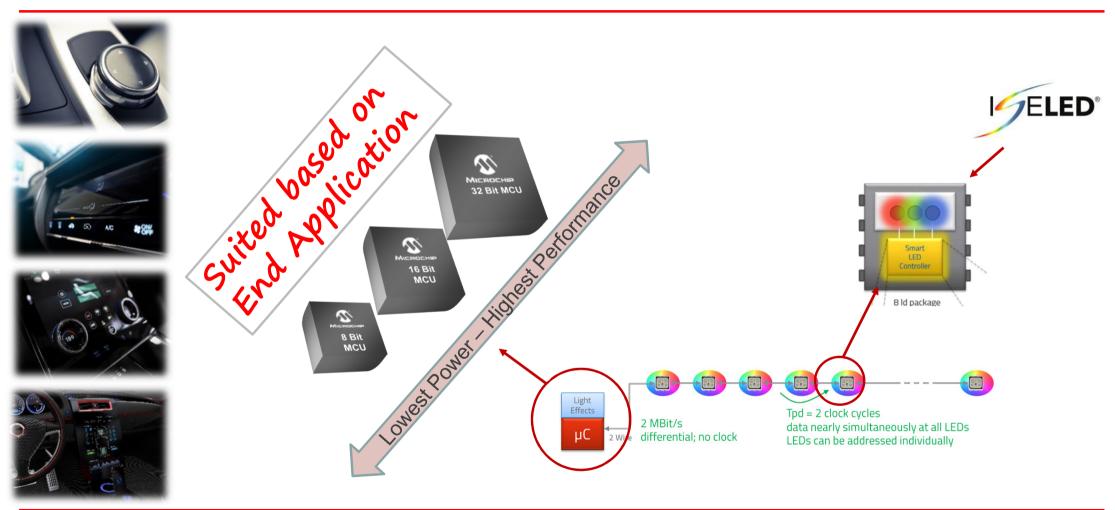






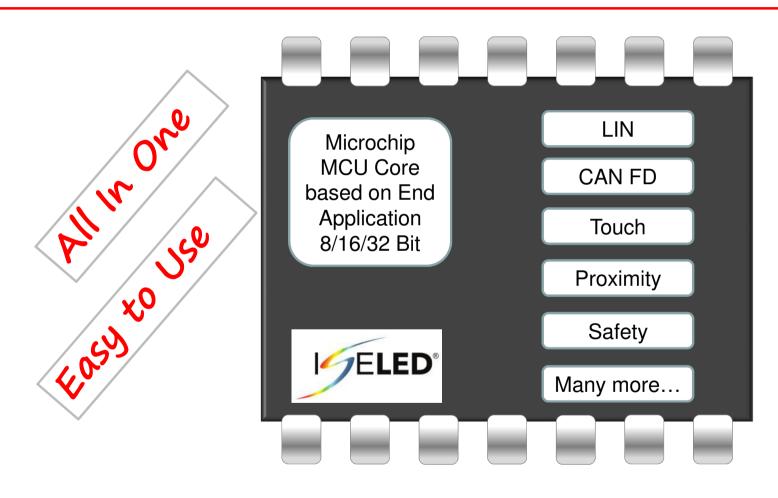


Application – Integration - Manufacturing



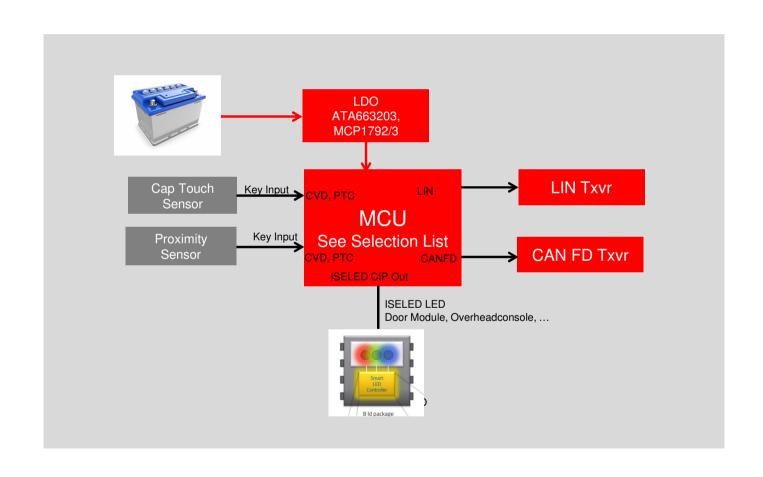


ISELED – Core Independence





Total System Solution





Supported ISELED Microcontrollers

8 Bit Microcontroller

- PIC16F153xx
- PIC16F188xx
- PIC18FxxK42
- PIC18FxxK83
- and more

16 Bit Microcontroller

- PIC24FJxxxGA70x
- dsPIC33EP128GS706
- dsPIC33EV256GM106
- dsPIC33EV256GM102
- and more

32 Bit Microcontroller

- PIC32MZ2048EFH100
- ATSAMHA1*
- ATSAMDA1
- ATSAMD21
- ATSAMC21
- and more





ISELED® Development Made Easy

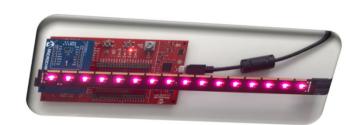
MPLAB Code Configurator –
 ISELED CIP per Mouse Click



 End Application together with ISELED as easy as possible



Development Tools
 Demoboard
 as Easy Click On Option, GUI, App
 Note, Library, Video





Evaluation License

- Free Evaluation License
- Free of Charge
- Enables usage of Free Evaluation ISELED Framework
- Planned as a Download on the ISELED Landing Page
- Available on Manual Request meanwhile
- Usage for 3 months limitation but extension possible
- Limitations on functionality



Summary

- Enabling Innovation
 - Low System Costs & Low Investment Costs
- ISELED value added Solutions
 - Highly integrated functions on Micro and System Level
- Widest Automotive Micro Portfolio per Click ISELED capable
 - Solutions from 8-bit to 32-bit Micro
 - Low risk, low cost, fast time to market development