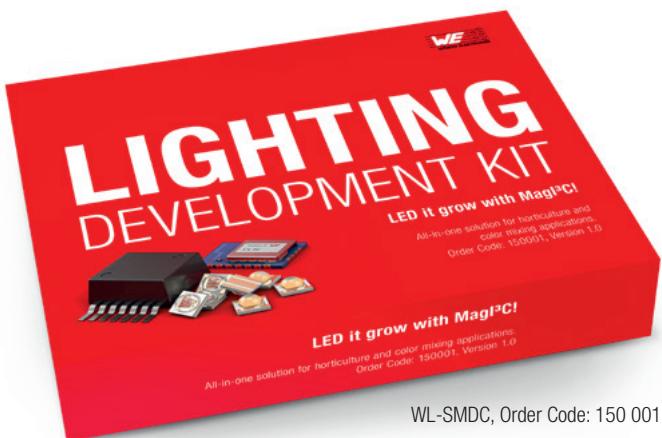


Lighting Development Kit

Order Code: 150 001, Version 1.0



WL-SMDC, Order Code: 150 001

Horticulture Board

WL-SMDC

Order Code: 150353DS74500 (Deep Blue)
150353HS74500 (Hyper Red)
150353FS74500 (Far Red)

WL-SWTP

Order Code: 158353050 (Daylight)

Color Mixing Board-RGBW

WL-SMDC

Order Code: 150353RS74500 (Red)
150353GS74500 (Green)
150353BS74500 (Blue)

WL-SWTP

Order Code: 158353050 (Daylight)

The 2 in 1 Lighting Development Kit provides an easy solution to either mix RGBW color for different lighting situations or amplify the growth of plants with the horticulture panel. The Magl³C Multi Color 4 channel LED driver can power both panels.

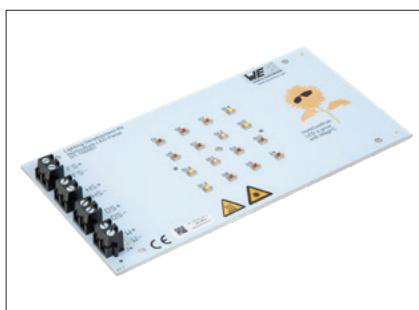
Characteristics

- Horticulture LED panel for plant grow with Deep Blue, Hyper Red, Far Red and White and up to 30 umol/s output
- Color mixing panel with Red, Green, Blue and White LED – for different ambient lights and up to 300 lm output
- 4 Channel LED driver with Magl³C Power Module 172 946 001
- Dimming via Bluetooth control (2608011024000)
- For your lightning development
- Intensity of each channel can be adjusted individually (dimming 0 – 100 %)
- App "WElluminate" to perform dimming
- PWM dimming method – controlled by PIC16F1527 microcontroller. Dimming profiles and colors can be stored
- Conducted and radiated EMI compliant (EN55015)
- Good thermal behavior
- Color mixing panel expansion inclusive
- Robust industrial Bluetooth® LE – Module based on Nordic nRF52832 high power efficient with low power profile

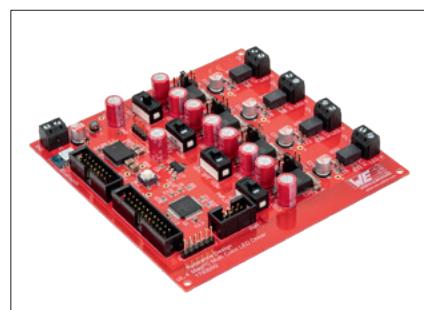
With a Magl³C LED Step Down High Current Module (172946001) as its heart it is possible to set the intensity and color of each of the 4 LED strings individually to meet the applications needs. Easy control and adjustment via bluetooth module (260801102400) and WElluminate app.



Color mixing LED Board



Horticulture LED Board



4 Channel Magl³C LED Driver

Download the WElluminate App:
www.we-online.com/lightingapp



Order your kit:
www.we-online.com/lightingdevelopmentkit

