

RGB with Built-in IC

ISO 9001:2015 | IATF 16949:2016 | ISO 14001:2015

American Bright offers a new series of 5050 / 3528 / 4020 / 2020 RGB LED packages with built-in IC. These RGB with IC packages are designed with an integrated circuit that features self-detection signal, support for continuous oscillation, and pulse width modulation (PWM) output that could maintain static screen

Features & Benefits:

- + Available in PLCC-6 5050, and PLCC-4 5050, 3528, 4020 (side-emitting), and EMC 2020 packages
- + Serial Peripheral Interface (SPI) communication protocol
- + 8-bit (256 level) color set
- + 5-bit (32 level) brightness adjustment
- + Low voltage 0.2W~1W power consumption
- + Built in support for continuous oscillation
- + Self-detection signal
- + Refresh rate of 400 cycles
- + Operating temperature -40° C to 85° C

Applications:

- + Large LED display and backlighting
- + Soft light bar and rope lighting
- + Full color display
- + Indoor and outdoor commercial and residential architectural lighting
- + Decoration and entertainment lighting
- + Gaming machines
- + Beverage Dispensing Machines

