

# bios SkyBlue™ Generation 2

## The Next Generation of Circadian Lighting

### New in 2021

#### Human Centric Lighting For Everyone

BIOS is proud to announce the release of SkyBlue Generation 2 (Gen 2) Circadian LED Lighting Solutions. SkyBlue Gen2 provides all the benefits of Generation 1 technology – industry leading m/p ratios in standard architectural CCTs, exceptional color quality with a peak blue emission at 490nm for maximum circadian benefit. SkyBlue Gen 2 now offers improved efficacy and extends the range of CCT performance, combining biology with psychology to give you brighter days and sleepier nights.

#### 1 Combining Biology + Psychology

Building on the industry-leading biological impact (m/p) delivered in Generation 1, SkyBlue Gen 2 platforms include color tuning options to provide a visual, psychological cue in our dynamic solutions. SkyBlue Gen2 still offers standard CCTs (4000K, 35000K, 3000K) that now dim down to 2700K, actuated by our simple Bio-Dimmer™ interface.

#### 2 Industry Leading Performance

- Source Efficacy
  - Linear and Tape Light: 145lm/W @ 3000K, 150lm/W @ 3500K, and 160lm/W @ 4000K
  - COB: 115lm/W @ 3000K, 120lm/W @ 3500K, 125lm/W @ 4000K
- SkyBlue M/P Ratio
  - 0.74 (3000K), 0.83 (3500K), 0.92 (4000K)

#### 3 Expanded Gen 2 Platforms

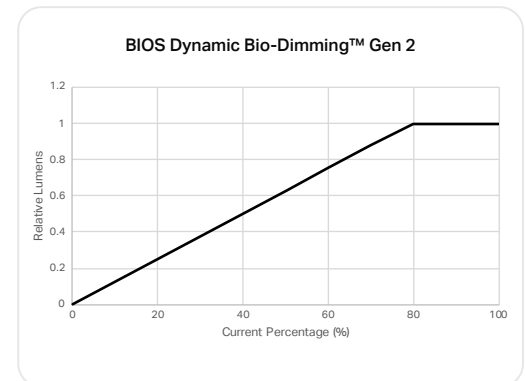
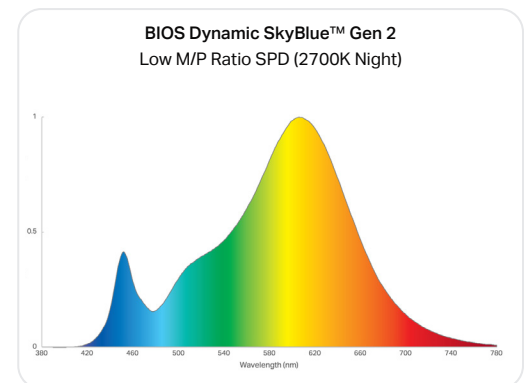
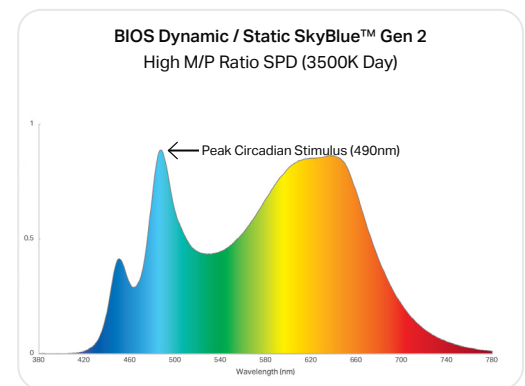
- (7) standard all-in-one board designs for linear profiles.
- Tape light now available and offers 2" cuttable increments
- (3) COB Sizes: 9mm, 14mm, 18mm

#### 4 SkyBlue Gen 2 + Bio-Dimming™

In addition to color tuning, the SkyBlue Gen 2 Bio-Dimmer™ begins the transition to 2700K at 80% of the dimmer travel (see BIOS Dynamic Bio-Dimming Gen 2 graph). BIOS Gen 2 products can be paired with either a Static Bio-Dimming Module or Bio-Dimming Module, depending on desired performance.

#### 5 Industry Support + Recognition

- All BIOS components including L1 LEDs, L2 arrays, tape light, COBs, and Bio-Dimming modules are UL Recognized.
- BIOS L2 arrays and tape light have undergone more rigorous testing, eliminating the need for UL testing when conditions of acceptability are met.
- BIOS has also partnered with LumiLeds for LED production to increase market penetration and product support.



Values as shown are estimates only and do not reflect exact values for a specific application.