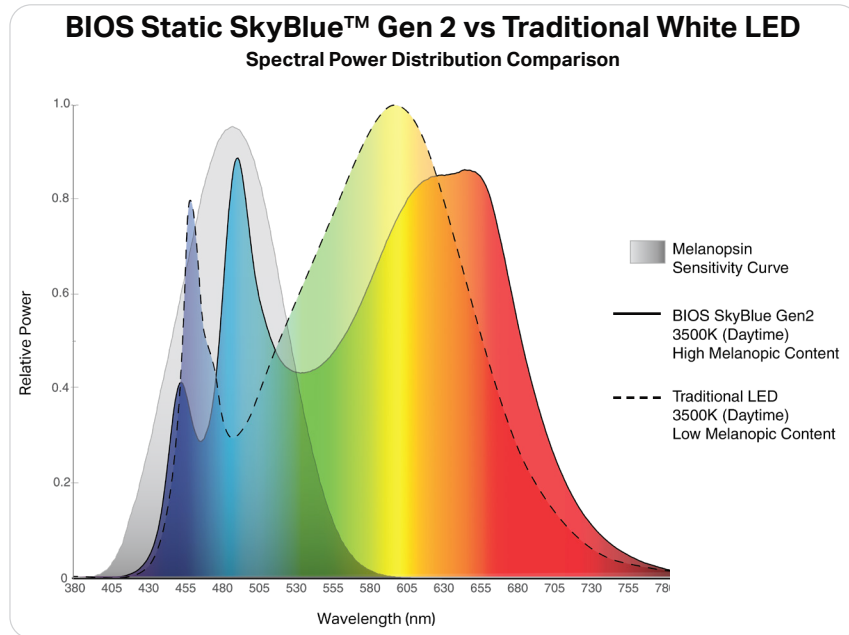


# BIOS SPD Comparison

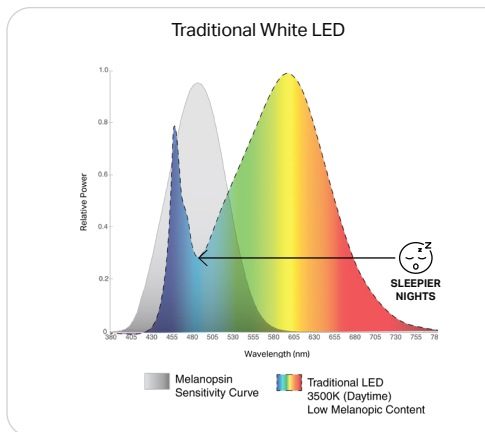
## Static SkyBlue™ Gen 2 vs Traditional LED



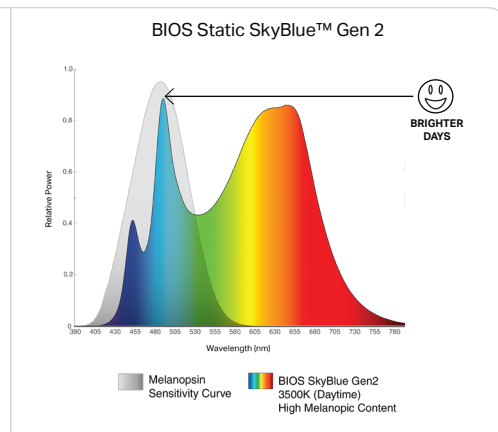
### Applications

- Healthcare Facilities
- Schools
- Senior Living
- NICU
- Offices
- Factories
- WELL Buildings
- Sports Facilities
- Hospitality
- Retail
- Residential
- Outpatient Clinics

### DOES NOT TARGET CIRCADIAN SYSTEM



### PROVIDES BRIGHTER DAYS



### KEY TAKEAWAYS

- Research has shown that our circadian system has its peak sensitivity in the 'sky blue' region near 490nm.
- BIOS Dynamic SkyBlue spectrum targets this zone and includes a distinct peak at 490nm (the 'sky blue' region) which traditional white LEDs do not.
- Beware of light sources that claim to provide 'circadian lighting' at 480nm and do not address this important wavelength (490nm) within the visible spectrum.
- Most traditional LEDs and even LEDs that claim to replicate the sunlight or daylight actually have a dip in their spectrum in this 'sky blue' region.
- BIOS offers 40% increase in circadian impact as compared to traditional white LEDs.
- Color temperature (CCT) alone does not communicate whether a light source will have the proper spectrum to address the melanopsin sensitivity curve.