

BIOS® SKYBLUE® LIGHTING SOLUTIONS + BIO-DIMMING

CIRCADIAN LIGHTING WITHOUT COMPROMISE

BIOS® SkyBlue® Dynamic Light Engine automatically calibrates the light level, reducing melanopic lux while keeping photopic lux at a constant. When paired with the BIOS Bio-Dimming module it operates using any single channel CC LED driver, using any dimming interface. Optionally, it could work with existing two channel control systems. Available in 3000K (dim to 2700K), 3500K (dim to 3000K), and 4000K (dim to 3500K).

BIO-DIMMING MODULE

The BIOS Bio-Dimming Module pairs with the BIOS SkyBlue® Dynamic Light Engine to deliver a completely customizable and spectrally-modulated light source that reduces melanopic lux while keeping photopic lux at a constant. The Bio-Dimming Module's on-board sensor allows for compatibility with all standard architectural dimming protocols with no specific interface requirements.

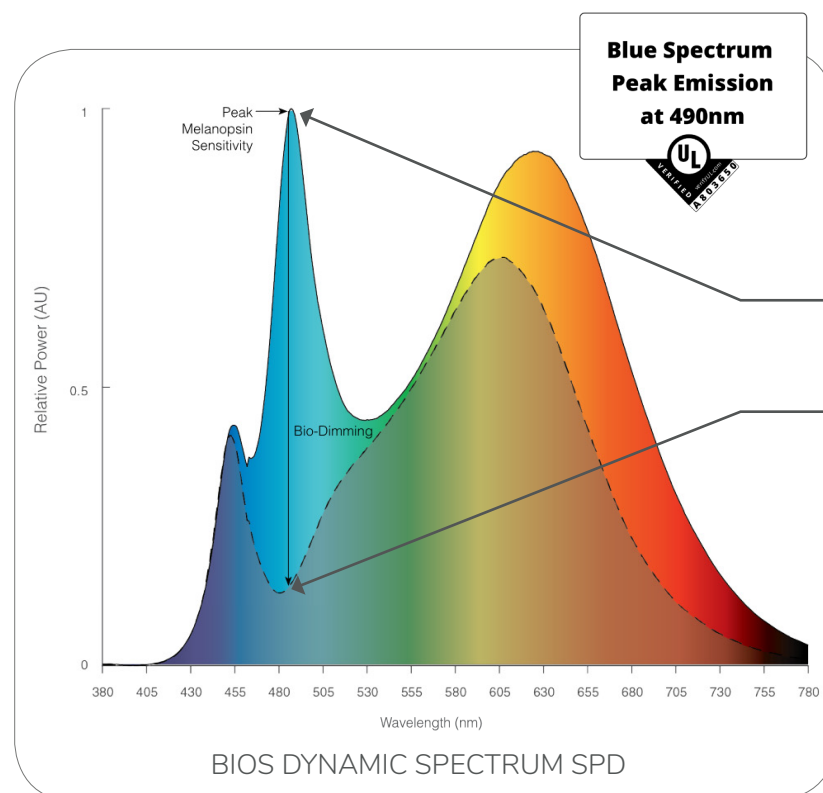
WHAT IS BIO-DIMMING?

SIMPLE SINGLE-CHANNEL CONTROL

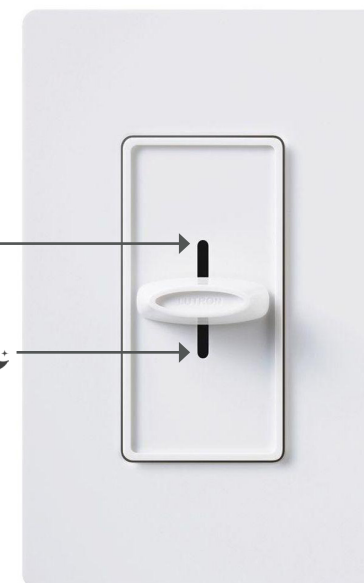
- The goal is simply to create brighter days and darker nights
- 500K CCT shift from daytime to nighttime marries psychology with biology

 Daytime LED Spectrum (3500K)

 Nighttime LED Spectrum (3000K)



HOW DOES BIO-DIMMING WORK?



BIO-DIMMING COMPATIBILITY

- Works with most single channel drivers.
- Works with standard dimming protocols (0-10V, DMX, ELV, etc.)

PRIMARY APPLICATIONS

- Residences
- Assisted Living Centers
- Hospitals
- Hospitality
- Offices
- Schools

BIO-DIMMING PERFORMANCE CHARACTERISTICS

Daytime CCT	Daytime M/P Ratio	Nighttime CCT	Nighttime M/P Ratio	CRI	R9	COI*
3000K	0.74	2700K	0.45	83	90	3.3
3500K	0.83	3000K	0.50	83	90	3.1
4000K	0.95	3500K	0.55	83	90	3.1

*Value as shown represents COI as provided by daytime LED Spectrum.

BIOS IS A PROUD WINNER OF THE 2019 SAPPHIRE AWARD FOR BEST PRODUCT FOR HEALTH AND WELL-BEING

