

Circadian Lighting Feature

BIOS lighting provides industry-leading LED solutions that gives designers the tools they need, contributing toward satisfying Circadian Lighting Design Feature 54 under the WELL Building Standard v1 and Feature L03 under the WELL Building Standard v2.

BIOS SkyBlue® circadian lighting technology outperforms all traditional white LEDs on the market, and offers the highest melanopic to photopic lux ratio (m/p ratio) for a given color temperature. BIOS lighting solutions also meet other features within the WELL Light Concept, including color quality, offering 83+ CRI and ultra high R9 values at 85+, and visual comfort metrics - It's circadian lighting without compromise!

BIOS SkyBlue® LED

Feature L03
Circadian Lighting Design



Maintain Lighting Design Intent

BIOS provides the highest m/p ratio for a given CCT making it the most effective technology to help meet the EML vertical light requirements.

Feature L04
Glare Control



Visually Comfortable / Energy Efficient

With a higher m/p ratio, fewer fixtures are needed to illuminate the space, naturally minimizing the amount of glare.

Feature L07
Electric Light Quality



Desirable CCT / Great Color Quality

BIOS provides a CRI 85+ with an ultra high R9 >50 for all color temperatures.

Traditional White LED



Increase Fixture Quantity

More light fixtures are required to achieve higher light levels on vertical surfaces, increasing the energy use and lighting power density within the space.



Increase Glare / Increase Energy

Higher output fixtures are needed within the space in order to meet EML targets which increases the energy use in the space as well as the likelihood of glare and visual discomfort.



Increase CCT / Decrease Color Quality

Higher CCTs (5000K, 6500K) are required to achieve the target EML values but do not meet the R9 requirements.