# A-21

LED RETROFIT LAMP

**25,000 HRS** RATED LIFE

**0.83** DAYTIME M/P RATIO

**83** DAYTIME CRI

**700 LUMENS** LIGHT OUTPUT



**11W LED**
**REPLACES 60W INCANDESCENT**

## CIRCADIAN LIGHTING WITHOUT COMPROMISE

The BIOS® A-21 LED Retrofit Lamp includes BIOS SkyBlue® Dynamic Spectrum lighting technology and provides full daytime circadian stimulus, communicating directly with human circadian biology through a nonvisual photo receptor in the eye. With SkyBlue, there's no need for multi-channel color-tuning or over lighting your space. BIOS is proud to provide industry leading M/P ratios in standard color temperatures you want — it's circadian lighting without compromise.

## A-21 LED RETROFIT LAMP

The BIOS A-21 LED Retrofit Lamp features our SkyBlue technology that provides high daytime melanopic lux to help support strong daytime circadian signals.

## BIO-DIMMING: DAYTIME AND NIGHTTIME LIGHTING OPTION

The BIOS A-21 LED Retrofit Lamp offers both a day and nighttime circadian lighting. During the day, the lamp should be used at full output to provide the daytime light signal our bodies need. At night, simply dim down the lamp to remove the daytime light signals.

Daytime LED Spectrum (3500K)

Nighttime LED Spectrum (1900K)

### PRIMARY APPLICATIONS

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

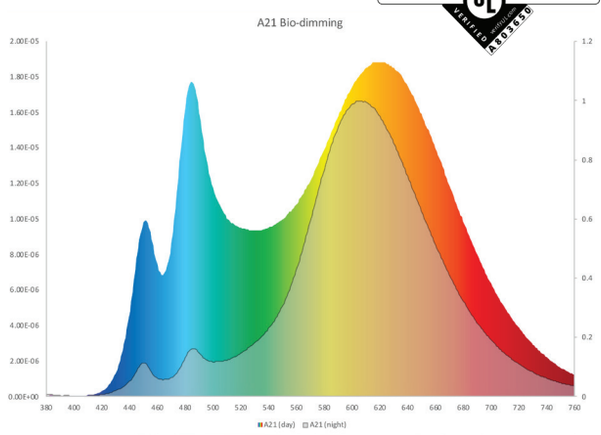
### BIO-DIMMING COMPATIBILITY

- Simple Control Interface
- Triac Compatible

### LUMINAIRE PROFILES

- Recessed Downlights
- Task Lights
- Bedside Table Light

**Blue Spectrum Peak Emission at 490nm**




SPECTRAL POWER DISTRIBUTION



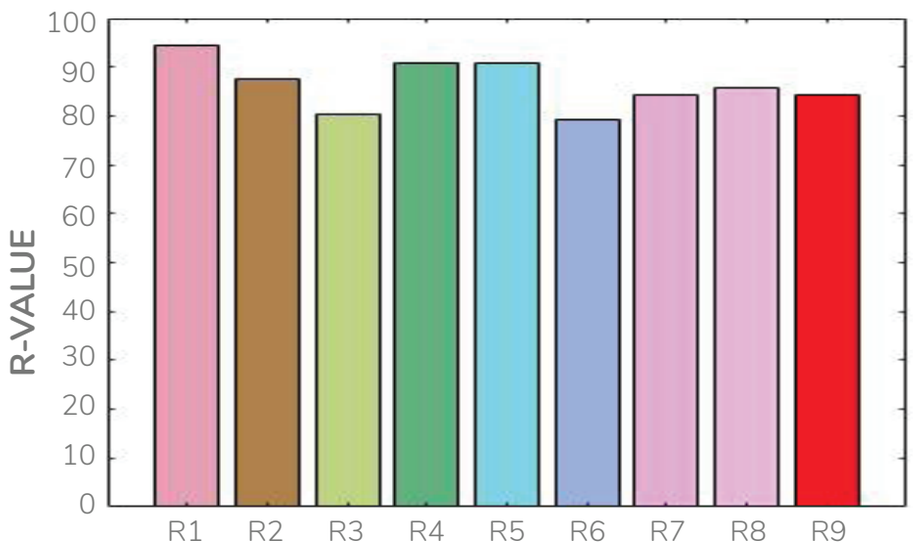
Specifications and dimensions subject to change without notice. Contact BIOS with any questions and for the most current information.

Product Number **DBB-835-A21**

| Characteristics | Model **DBB-835-A21** |
|---|---|
| Lamp Type | A21 |
| Lamp Base | E26 |
| Power (W) | 11W |
| Voltage | 120V |
| Dimmable | Yes / Triac |
| Rated Lifetime - L70 (hours) | 25,000 |

| Performance Specifications | Daytime | Nighttime |
|---|---|---|
| CCT | 3500K | 1900K |
| M/P Ratio | 0.83 | 0.26 |
| CRI (Ra) | 83 | 83 |
| R9 | 87 | 19 |
| Light Output (lumens) | 700lm | 630lm |

## Product Features




**83**
CRI

**87**
DAYTIME
R9



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