

# CENTRIC DAYLIGHT™ A21 15W LED Bulb

PN 4006.40 | 4006.50 | 4006.65

Waveform Lighting's CENTRIC DAYLIGHT™ LED A21 15W bulbs feature daylight-calibrated 95 CRI with completely flicker-free light output with a very high 1600 lumen brightness rating.

The ultra-high color rendering performance coupled with 4000K, 5000K and 6500K color temperature options provide a quality of light that is indistinguishable from natural daylight. This is the perfect bulb for lighting installations where a crisp, neutral and vibrant white light reminiscent of natural daylight is desired.

The universal A19 form factor includes a traditional medium Edison screw base (E26), which allows for installation in wide range of lamp fixtures.

## PRODUCT FEATURES

- Available in 4000K (morning sun), 5000K (noon sun) and 6500K (noon sky)
- 95+ CRI and R9 > 90
- 1600 lumens (80 watt incandescent equivalent)
- Fully flicker-free light output
- Not compatible with dimmers and fully enclosed fixtures
- UL listed (E519490), for indoor use only



MECHANICAL DIMENSIONS  
(1:2 SCALE)

## ELECTRICAL SPECIFICATIONS

<b>Input type:</b>	AC line voltage
<b>Input voltage:</b>	90-240V AC, 50-60 Hz
<b>Power consumption:</b>	15 watts
<b>Current draw:</b>	200 mA
<b>Power factor:</b>	0.5+

## MECHANICAL SPECIFICATIONS

<b>Length:</b>	5.24 in (133 mm)
<b>Bulb diameter:</b>	2.76 in (70 mm)
<b>Base:</b>	E26

## FLICKER METRICS

<b>Flicker (%):</b>	<1%
<b>Flicker index:</b>	<0.01
<b>Flicker frequency:</b>	0 Hz

For reference, incandescent bulbs typically exhibit 12% flicker, a flicker index value of 0.03, and a flicker frequency of 120 Hz.

## PHOTOMETRIC SPECIFICATIONS

	CCT Range	Duv	CIE (x,y)
<b>4000K:</b>	±100K	0.0000 ±0.0010	(0.3806, 0.3768)
<b>5000K:</b>	±150K	0.0015 ±0.0015	(0.3455, 0.3548)
<b>6500K:</b>	±250K	0.0025 ±0.0015	(0.3134, 0.3283)

<b>Light Output:</b>	1600 lm
<b>Beam angle:</b>	320°
<b>CRI Ra:</b>	95+
<b>CRI R9:</b>	90+
<b>CRI R13:</b>	90+
<b>TM-30-15 Rf/ Rg*:</b>	90+/100

\*For additional detail on TM-30-15 metrics for this product, please see our separate test report documentation.

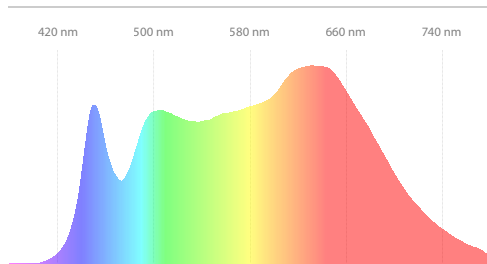
## LIFETIME INFORMATION

<b>Warranty period:</b>	36 months (3 years)
<b>Lifetime (L90):</b>	25,000 hours

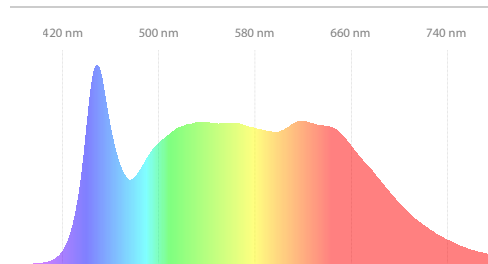
## EXTENDED CRI VALUES (TYPICAL)

R1	97
R2	99
R3	98
R4	99
R5	98
R6	97
R7	99
R8	98
R9	97
R10	99
R11	97
R12	83
R13	98
R14	98
R15	97

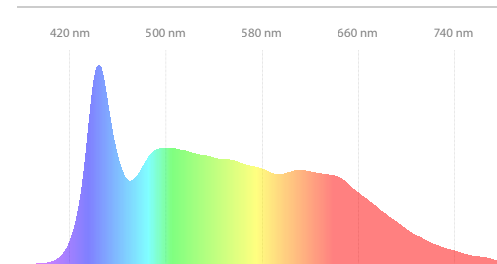
## 4000K SPECTRUM M/P ratio: 0.74



## 5000K SPECTRUM M/P ratio: 0.89



## 6500K SPECTRUM M/P ratio: 1.06



The M/P ratio describes a light source's potential to influence the human circadian cycle, measured between 0.0 and 1.1. Higher values are more likely to affect the circadian cycle. M/P ratio calculations are based on Well Building's Equivalent Melanopic Lux methodology (2018).

## PRODUCT LIMITATIONS

- NOT DIMMABLE** - this lamp is not compatible with wall-dimmers. Do not install this product in any lamp or fixture that is connected to a dimmer circuit, as this may lead to undesirable lighting effects such as flickering or flashing, premature failure, or fire and electrical shock risk.
- NOT COMPATIBLE WITH COMPLETELY ENCLOSED FIXTURES** - this lamp is not designed or approved for use in completely enclosed fixtures. Completely enclosed fixtures create an airtight space where insufficient ventilation can cause thermal buildup and premature lamp failure. Lamp fixtures with any kind of air gap or opening are not considered *completely* enclosed, and therefore can be used without any issues.
- NOT WATERPROOF** - this lamp is not designed to be waterproof, and should not be exposed directly to water. Use in damp locations where ambient moisture is present (bathrooms, covered outdoor areas), is permissible as long as water does not come in direct contact with the lamp.

## PART NUMBERS AND ORDERING

<b>4000K:</b>	4006.40
<b>5000K:</b>	4006.50
<b>6500K:</b>	4006.65

For 10 watt versions, see PN 4006.40, 4006.50 and 4006.65. For 2700K and 3000K, see PN 4006.27, and 4006.30.

## CERTIFICATIONS



**CAUTION:** DO NOT USE WITH DIMMERS. NOT FOR TOTALLY ENCLOSED LUMINAIRES. FOR DAMP LOCATIONS. DO NOT USE WHERE DIRECTLY EXPOSED TO WATER.

**NOT CALIFORNIA TITLE 20 COMPLIANT**