

D50 Lighting™ A19 10W LED Bulb
PN 4005C.50

D50 Lighting™ 95 CRI A19 LED bulbs are ceiling lamps that provide uniform, full spectrum light calibrated to the ISO 3664:2000 D50 daylight standard.

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

As part of the D50 Lighting™ line of lighting products, these light bulbs are an excellent choice when seeking D50 daylight-calibrated light in a simple yet versatile form factor.

PRODUCT FEATURES

- Available in 5000K with D50 chromaticity
- 95+ CRI and R9 > 90
- 800 lumens (60 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

Input type:	AC line voltage
Input voltage:	90-240V AC, 50-60 Hz
Power consumption:	10 watts
Current draw:	85 mA
Power factor:	0.7+

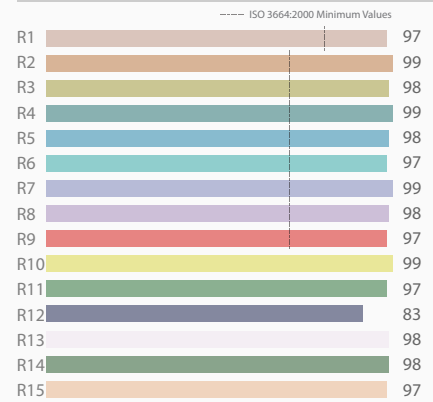
MECHANICAL SPECIFICATIONS

Length:	4.72 in (120 mm)
Bulb diameter:	2.38 in (60 mm)
Base:	E26

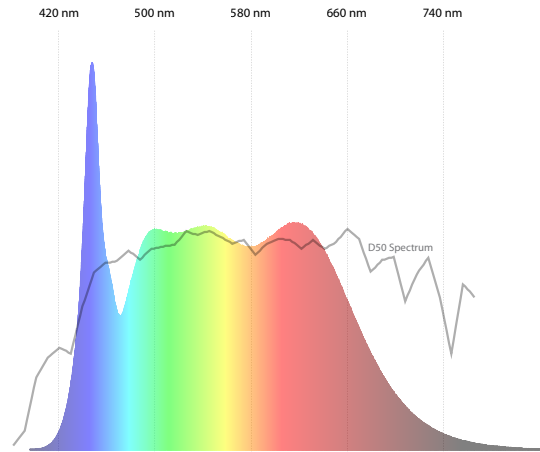
PHOTOMETRIC SPECIFICATIONS

Light output:	800 lumens
CCT:	5000K ± 150K
5000K Duv:	0.0015 ± 0.0015
CIE 1931 xy:	(0.3455, 0.3548)
CIE 1976 u'10 v'10:	(0.2102, 0.4889) ± 0.0025
Beam angle:	320°
CRI Ra:	95+
CRI R9:	90+
TM-30-15 Rf/Rg:	90+/100

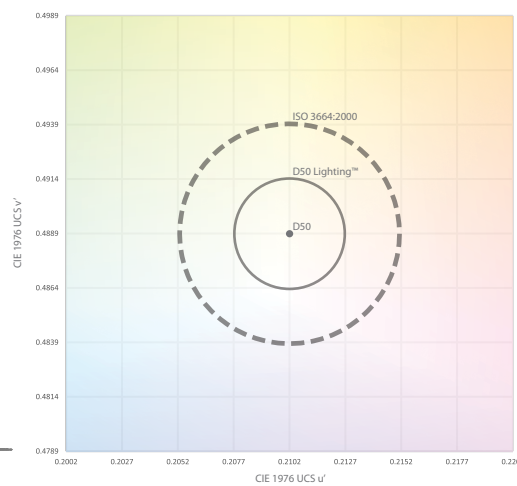
EXTENDED CRI VALUES (TYPICAL)



SPECTRAL POWER DISTRIBUTION



CHROMATICITY / COLOR POINT



Where and how do I install these lamps?

These lamps utilize the latest advancements in LED technology, but can be installed in any traditional lighting fixture as long as it utilizes an E26 base. For color-matching and inspection applications, these lamps are commonly installed in table and task lamp fixtures.

FLICKER METRICS

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

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

LIFETIME INFORMATION

Warranty period:	36 months (3 years)
Lifetime (L90):	25,000 hours

PART NUMBERS AND ORDERING

D50 5000K:	4005C.50
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CERTIFICATIONS



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



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.

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