

Waveform Lighting's NorthLux™ BR30 10W LED bulbs are the perfect solution for art studios and other indoor spaces that require daylight-calibrated, full spectrum quality light.

These bulbs are designed for ceiling fixtures that accommodate lamps with 4-inch and larger diameter reflector-type bulbs with standard, E26 (medium Edison screw base) lampholders.

With a 95 CRI rating, these full-spectrum bulbs are offered in 5000K and 6500K to replicate natural, north-facing light and are an excellent way to quickly and easily upgrade lighting in an art studio.

PRODUCT FEATURES

- Available in both 5000K or 6500K
- 95+ CRI and R9 > 90
- 800 lumens (60 watt incandescent equivalent)
- Compatible with most wall-dimmers
- Not compatible with fully enclosed fixtures
- For indoor use only



MECHANICAL DIMENSIONS
(1:2 SCALE)

ELECTRICAL SPECIFICATIONS

Input type:	AC line voltage
Input voltage:	120V AC, 50-60 Hz
Power consumption:	10.5 watts
Current draw:	90 mA
Power factor:	0.9+

MECHANICAL SPECIFICATIONS

Length:	5.34 in (135 mm)
Bulb diameter:	3.75 in (95 mm)
Base:	E26

PHOTOMETRIC SPECIFICATIONS

Light output:	800 lumens
5000K CCT:	5000K ± 150K
6500K CCT:	6500K ± 250K
5000K Duv:	0.0015 ± 0.0015
6500K Duv:	0.0025 ± 0.0015
5000K CIE xy:	(0.3455, 0.3548)
6500K CIE xy:	(0.3134, 0.3283)
Beam angle:	120°
CRI Ra:	95+
CRI R9:	90+
CRI R13:	90+
TM-30-15 Rf/ Rg:	90+/100

EXTENDED CRI VALUES (TYPICAL)

R1	99
R2	98
R3	97
R4	95
R5	98
R6	97
R7	97
R8	97
R9	92
R10	97
R11	92
R12	91
R13	99
R14	99
R15	98

How many bulbs do I need?

For visual arts and studio applications, we recommend an illuminance level of 80 footcandles (800 lux). To achieve this level of illuminance, you will need approximately one BR30 lamp for every 10 square feet of space. To illuminate a 100 square foot studio, for example, you will want to install ten of these BR30 lamps. [See our lumen estimation calculator for details.](#)

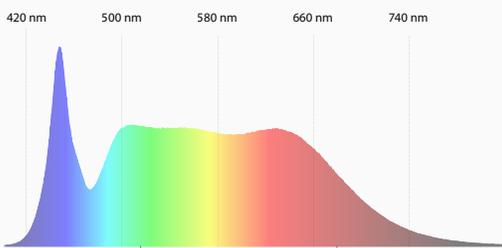
Should I choose 5000K or 6500K?

5000K is a neutral, bright white light that best approximates noon sunshine. 6500K has a slightly blue hue that best approximates north sky. Most customers find that the 5000K is ideal; some customers with north-facing windows in their studio may prefer the 6500K to ensure a consistent match between their bulbs and the natural light. [See our article for more insights.](#)

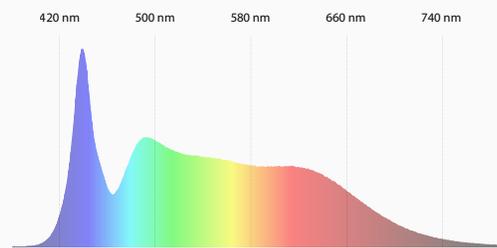
Where and how do I install these lamps?

These lamps are designed to be installed in fixtures that accommodate reflector-type (type R or type BR) lamps that utilize an E26 screw-base. Common installation locations include ceiling fixtures with an opening of at least 4 inches in diameter, or track light fixtures. If the fixture includes a baffle or other lamp mount, be sure to check that the opening is large enough to accommodate the lamp.

5000K SPECTRUM



6500K SPECTRUM



FLICKER METRICS

Flicker (%):	<6%
Flicker index:	<0.02
Flicker frequency:	120 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

5000K:	4011.50
6500K:	4011.65

CERTIFICATIONS

CAUTION: RISK OF ELECTRIC SHOCK. USE IN DRY LOCATIONS ONLY. NOT FOR TOTALLY ENCLOSED LUMINAIRES.

CALIFORNIA TITLE 20 COMPLIANT

PRODUCT LIMITATIONS

- 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.
- DRY LOCATION ONLY** - this lamp is for dry location use only, and should not be exposed directly to water or moisture. It should not be used outdoors, or in damp locations where ambient moisture is present such as bathrooms and covered outdoor areas.