

# realUV™ LED Flood Lights

PN: 7022

Waveform Lighting's realUV™ LED flood lights provide high power ultraviolet light at 365 nanometers or 395 nanometers. These wavelengths are considered true UV-A wavelengths, and are the optimal wavelengths for activating and observing fluorescence and other UV-A phenomenon.

The flood light emits strong UV light at a 120 degree angle, providing wide but directed UV light optimal for UV curing applications as well as observing fluorescence effects.

With an IP65 rating, the flood light can be used in wet locations.

The flood light includes a standard US-style 3-prong plug for easy connectivity, and can be installed using the included mounting bracket.

## PRODUCT AND FEATURES

- Available in either 365 nm or 395 nm
- The light emitted from the 365 nm version is largely invisible, but a miniscule amount of visible light is also emitted and appears as a very dim, bluish-white light.
- The 395 nm version emits a portion of its output energy in the visible wavelength range and appears as a dim, violet light.
- Dimensions of 7.1 x 5.5 x 3.6 inches
- AC 120-240V input via 3-prong US-style plug
- IP65 waterproof rating, not dimmable



## PHOTOMETRIC SPECIFICATIONS

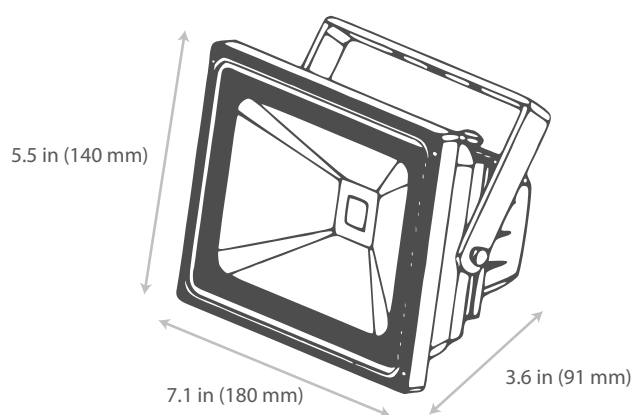
|   |         |
|---|---------|
| <b>UV output (365 nm):</b>              | 8.0 W   |
| <b>UV output (395 nm):</b>              | 6.0 W   |
| <b>Radiometric Efficiency (365 nm):</b> | 40%     |
| <b>Radiometric Efficiency (395 nm):</b> | 30%     |
| <b>Spectrum FWHM:</b>                   | 10 nm   |
| <b>Emission angle:</b>                  | 120 deg |

Download full photometric reports at <https://www.waveformlighting.com/photometrics>

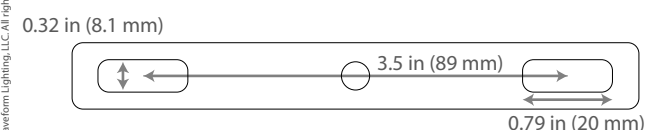
## ELECTRICAL SPECIFICATIONS

|                                  |                        |
|----------------------------------|------------------------|
| <b>Input type:</b>               | US-style 3-prong Plug  |
| <b>Input voltage:</b>            | AC 120-240V / 50-60 Hz |
| <b>Input current (@120V AC):</b> | 165 mA                 |
| <b>Input current (@240V AC):</b> | 85 mA                  |
| <b>Safety Approvals:</b>         | CE, RoHS               |

## PRODUCT DIMENSIONS



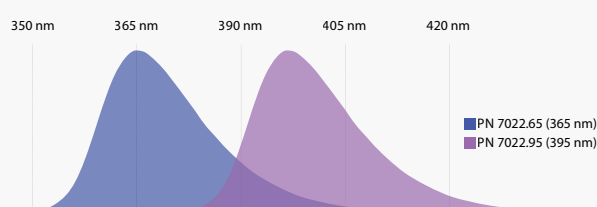
## MOUNTING BRACKET DIMENSIONAL DETAIL



## PART NUMBERS AND ORDERING

|                |         |
|----------------|---------|
| <b>365 nm:</b> | 7022.65 |
| <b>395 nm:</b> | 7022.95 |

## TYPICAL EMISSION SPECTRUM

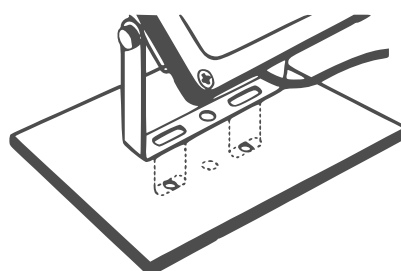


We maintain a  $\pm 5$  nm tolerance for wavelength specifications. FWHM stands for Full-Width Half-Max, the size of the wavelength range across which irradiance is measured to be at least 50% of the peak wavelength irradiance value.

## MECHANICAL SPECIFICATIONS

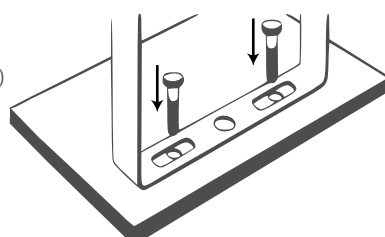
|                       |                   |
|-----------------------|-------------------|
| <b>Length:</b>        | 7.1 in (180.3 mm) |
| <b>Width:</b>         | 5.5 in (139.7 mm) |
| <b>Height:</b>        | 3.6 in (91.4 mm)  |
| <b>Lamp material:</b> | Aluminum          |
| <b>IP Rating:</b>     | IP65              |

## MOUNTING INSTRUCTIONS



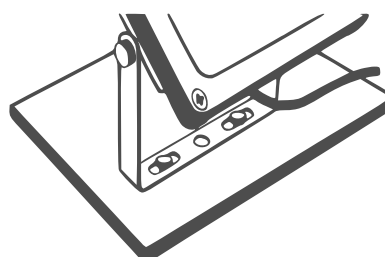
### STEP 1

With the lamp unplugged, locate a stable and secure mounting surface and prepare two holes approximately 3.5 inches (90 mm) apart so that mounting screws or bolts (sold separately) can be attached. Mounting screws or bolts should have threads less than 0.3 inches (8.0 mm / M8) in diameter.



### STEP 2

Align the lamp mounting bracket so that the rectangular openings align with the mounting holes. Then, insert the screws or bolts through the holes and tighten.



### STEP 3

Ensure that the lamp is securely fastened and then plug the lamp into an electrical outlet. The lamp is now ready for use!

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