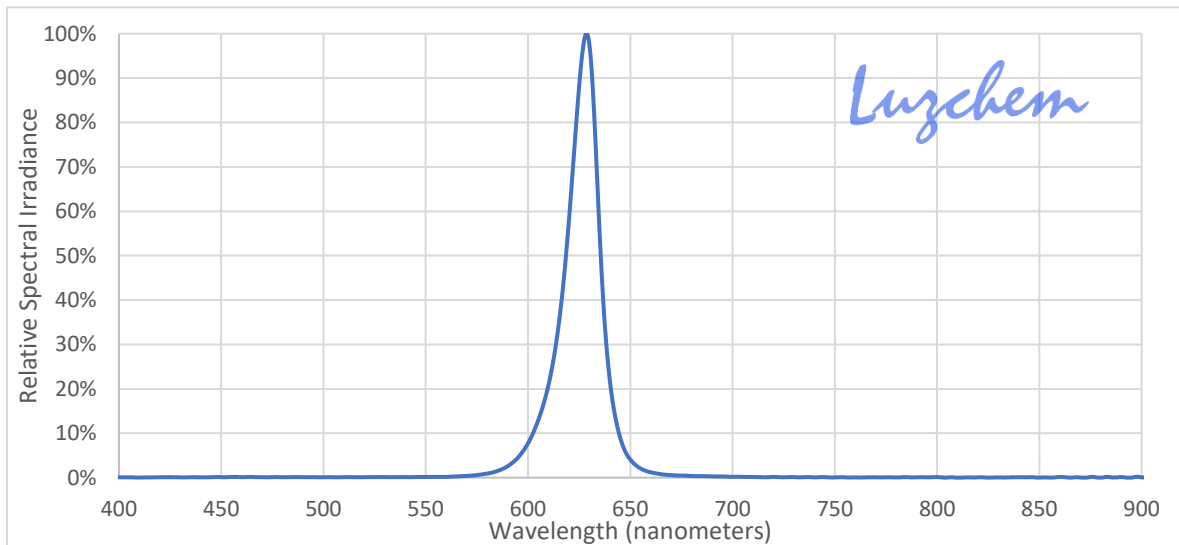


Luzchem Exposure Standard: LES-WPI-Red-23

General information : Luzchem Research, Inc. produces and freely distributes these standards as a service to scientists involved in research in photochemistry, photobiology and photostability. These standards are available on Luzchem's website so that references to any of our standards can be used to define exposure conditions and should allow other scientists to replicate irradiation conditions readily. Luzchem has measured these exposure standards using a NIST traceable spectroradiometer. To our knowledge, spectral information is accurate within the experimental uncertainty of 1 nm.

Spectral Information: WPI-Red, Red, 620nm peak



Product Class	Well Plate Illuminator
Product Identifier	WPI-Red
Spectral Range Monitored	220nm to 1100nm
Temperature	21.8 °C
Date of Measurement	March 30, 2023
Full Width Half Max	17 nm
Measured Peak Wavelength	628.5 nm
Irradiance Measured*	408 ± 18 Watts/m ²
Sample Power (12mm diameter spot)*	46.1 milliwatts

* measurement taken ~11.5mm above the surface of the WPI sample window, with a detector area 12mm in diameter centred in a well
 ± Accounts for minor variability between different Wells.

