



**Larson Electronics LLC WWW.MAGNALIGHT.COM**

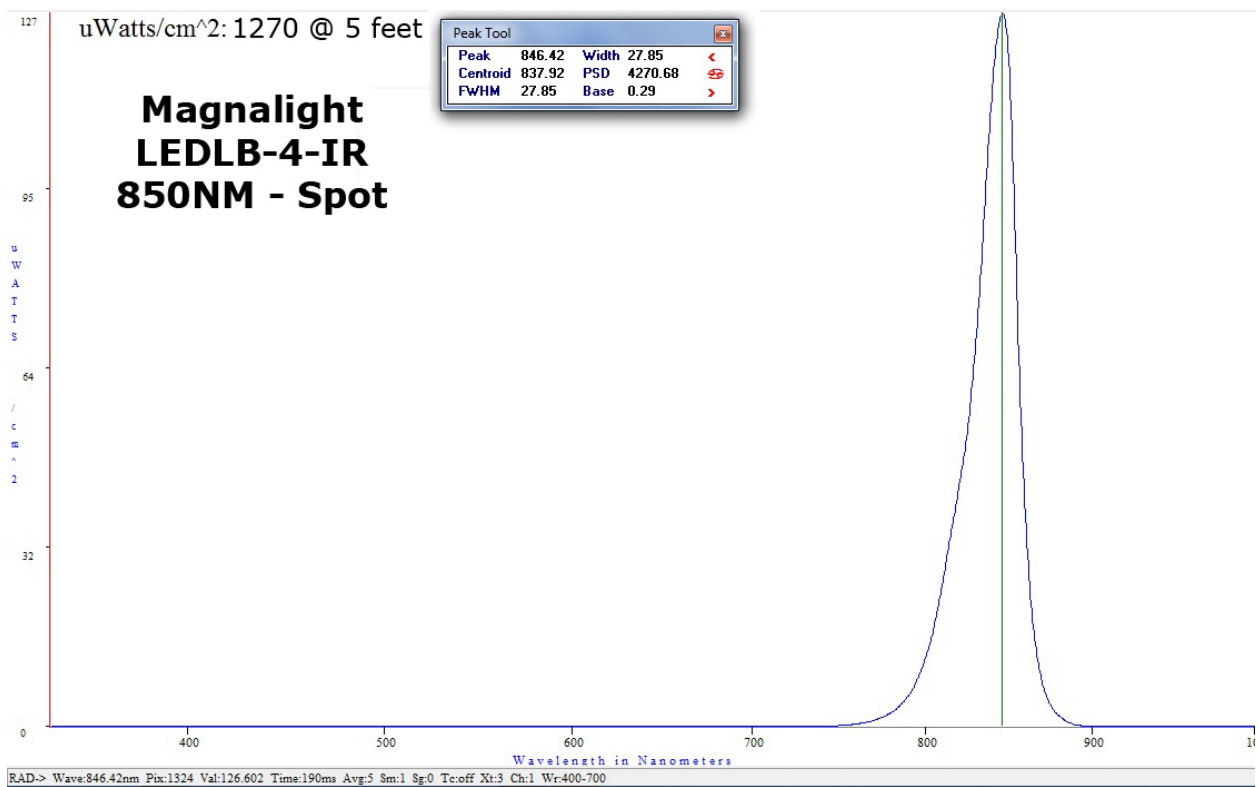
9419 E US HWY 75, Kemp, TX 75143 - P: 903-498-3363 F: 903-498-3364 E: [sales@magnalight.com](mailto:sales@magnalight.com)

Part Number: Magnalight LEDLB-4-IR-850NM-Spot

Distance: 5 Feet from lens

Equipment Used: StellarNet BLUE Wave

Wavelength: Nanometers



**Results:**

Measurement: 1270 uWatts/cm<sup>2</sup> at 5 feet from lens

Peak: 846.42nm

Centroid: 837.92nm

FWHM: 27.85nm

Width: 27.85nm

PSD: 4270.68

Base: 0.29



**Larson Electronics LLC WWW.MAGNALIGHT.COM**

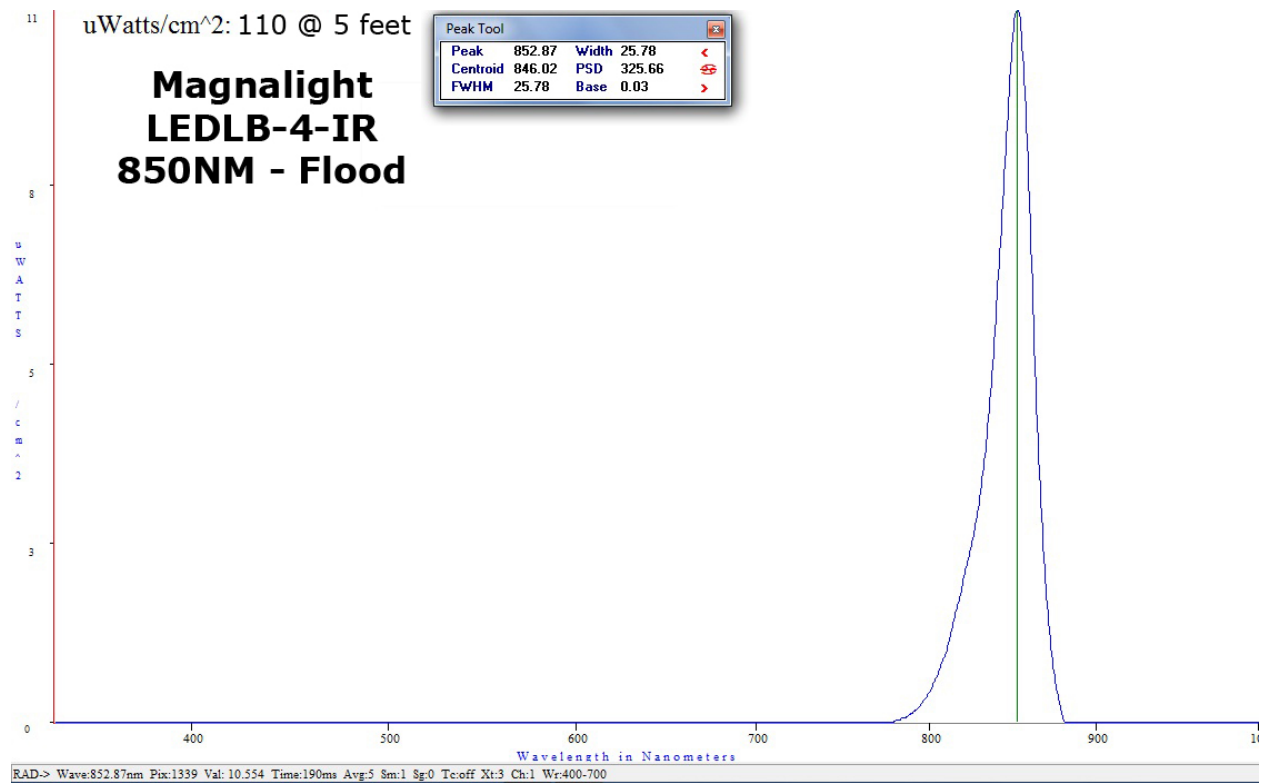
9419 E US HWY 75, Kemp, TX 75143 - P: 903-498-3363 F: 903-498-3364 E: [sales@magnalight.com](mailto:sales@magnalight.com)

Part Number: Magnalight LEDLB-4-IR-850NM-Flood

Distance: 5 Feet from lens

Equipment Used: StellarNet BLUE Wave

Wavelength: Nanometers



**Results:**

Measurement: 110 uWatts/cm<sup>2</sup> at 5 feet from lens

Peak: 852.87nm

Centroid: 846.02nm

FWHM: 25.78nm

Width: 25.78nm

PSD: 325.66

Base: 0.03



**Larson Electronics LLC WWW.MAGNALIGHT.COM**

9419 E US HWY 75, Kemp, TX 75143 - P: 903-498-3363 F: 903-498-3364 E: [sales@magnalight.com](mailto:sales@magnalight.com)

Part Number: Magnalight LEDLB-4-IR-940NM-Flood

Distance: 5 Feet from lens

Equipment Used: StellarNet BLUE Wave

Wavelength: Nanometers



**Results:**

Measurement: 33 uWatts/cm<sup>2</sup> at 5 feet from lens  
Peak: 940.12nm  
Centroid: 938.91nm  
FWHM: 32.29nm  
Width: 32.29nm  
PSD: 28.11  
Base: 1.46



**Larson Electronics LLC WWW.MAGNALIGHT.COM**

9419 E US HWY 75, Kemp, TX 75143 - P: 903-498-3363 F: 903-498-3364 E: [sales@magnalight.com](mailto:sales@magnalight.com)

## Appendix

AreaPSD: Integral area (Power Spectral Density)

Centroid: Center wavelength of AreaPSD in nm

Peakwave: Wavelength of the tallest point

FWHM: Full Width Half Max of peak in nm

Centbase: Level used to compute AreaPSD and Centroid