

5W 810nm IR LED - Covert Operations Tactical Lighting System

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5W IR 810nm High Power LED

Product Model: WL-P5EP4242IR140-810 [!\[\]\(4f6bf54ae7e4144a72d78316053e412d_img.jpg\)](#)

Features:

- 99.99% gold wire bonding, 1.2mil
- Red copper substrate
- Silicone Lens
- Epileds, 4pcs * 42mil Chips
- Meet CE, ROHS Compliant
- Applications: Medical and Scientific Instrument, Inspection, Iris and Face Recognition, other professional appliance.
- Beam Angle: **60 degree** and **120 degrees** are available
- Type: The LED could mounted on **Star PCB or ONLY emitter, Round and square base as 10W is available.**
- Custom Solution: We could offer custom LED solutions, if you need any support, please contact us.

[**>> 5W 810nm LED Spectrum \(<https://www.lumixtar.com/wp-content/uploads/2021/03/5W-810nm-LED-Spectrum.pdf>\)**](#)

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Description

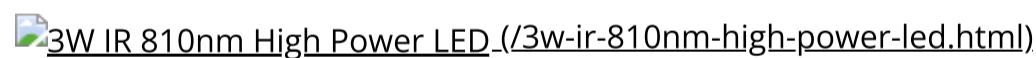
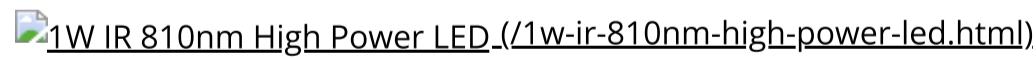
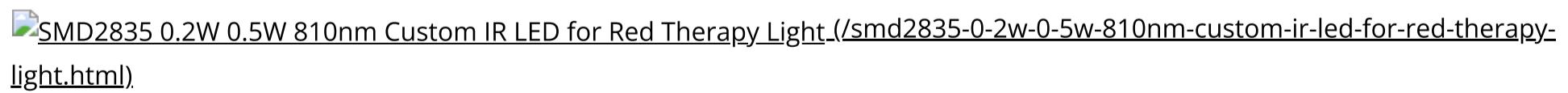
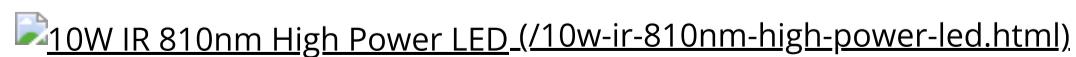
Package Dimensions (mm):

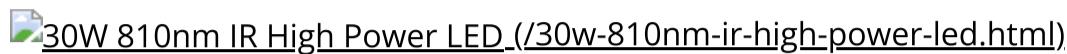


Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	3.0	---	3.5	V	IF=700mA
Reverse Current	VR	---	---	50	uA	VR=5V
50% Power Angle	θ _{1/2}	---	140	---	deg.	IF=700mA
Radiant Power	P _o	800	---	1200	mW	IF=700mA
Peak Wavelength	λ _p	800	805	810	nm	IF=700mA

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