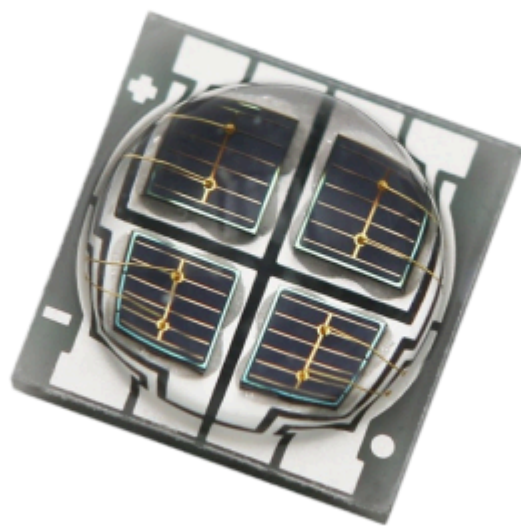


SMD5050 5W/10W 810nm IR LED - Wildlife Monitoring & Ecological Research

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810nm 5W 10W SMD5050 IR High Power LED

Product Model: WL-5P5050EP120IR-810 

Features:

- 99.99% gold wire bonding, 1.2mil
- Ceramic Substrate
- Silicone Lens
- Epileds, 4pcs * 42mil Chips
- Meet CE, ROHS Compliant
- Applications: Medical and Scientific Instrument, Inspection, Iris and Face Recognition, other professional application.
- Beam Angle: **60 degree**, **120 degrees** and **180 degree - Flat lens (without dome lens)** are all available
- Packaging Type: **SMD2835**, **SMD3030**, **SMD3528**, **SMD3535** and **SMD5050** are all available
- Custom Solution: We could offer custom LED solutions, if you need any support, please contact us.
- The connection is available for **1 in series**, **1 in parallel** and **2 in series**, **2 in parallel**.

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

Description

Package Dimensions (mm):



Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	1.4	---	1.6	V	IF=700mA
Reverse Current	IR	---	---	50	uA	VR=5V
50% Power Angle	2θ1/2	---	120	---	deg.	IF=700mA
Radiant Power	Po	300	---	500	mW	IF=700mA
Peak Wavelength	λp	805	810	815	nm	IF=700mA


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