



Product Catalog

Fluorescent Protein Excitation Light Sources

LUYOR-3415

Dual Fluorescent Protein Lamp

LUYOR-3415 Dual Fluorescent Protein Lamp is a portable and powerful tool designed to detect fluorescent proteins in plants, animals, crops, seeds, microorganisms, etc. Choose two excitation wavelengths and switch between them by pressing the button at the back. Each lamp comes standard with two pairs of barrier filter glasses and a convenient storage case. The glasses are well matched to the excitation light source so that they block the reflected excitation light while transmitting the fluorescence with high efficiency, providing excellent viewing contrast.



Technical Data

- Choose two wavelengths from 365nm, 400nm, 450nm, 485nm, 520nm
- Coverage area: diameter 180 mm at 150 mm
- Power: each wavelength 18 w, total 27 w
- Weight: net weight 0.9 kg, gross weight 4 kg
- Dimension: 180 x 220 mm, head diameter 120 mm
- Power supply: 100-260V AC, 50/60Hz



Wavelength Sets

Color Code	Excitation	Emission	Applications
<i>R – Royal Blue</i>	440-460nm	500nm longpass	GFP, eGFP, fluorescein
<i>C – Cyan</i>	490-515nm	550nm longpass	YFP, Venus, Lucifer Yellow
<i>G – Green</i>	510-540nm	600nm longpass	DsRed, tdTomato
<i>V – Violet</i>	400-415nm	460nm longpass	CFP, BFP
<i>U – Ultraviolet</i>	360-380nm	415nm longpass	DAPI

What's Included

LUYOR-3415 Dual Fluorescent Protein Lamp, two pairs of barrier filter glasses, a storage case, instruction manual, warranty card, certificate

Optional Accessories: lamp stand, camera filter, mobile phone filter



Glasses

Fluorescence Viewing Glasses



Model	Light Sources	Color of Glasses	Applications
LUV-10A	Ultraviolet	Transparent	DAPI, Hoechst
LUV-20A	Violet	Pale yellow	BFP, CFP
LUV-30A	Royal Blue	Yellow	GFP, eGFP
LUV-30AG	Royal Blue	Green	GFP, eGFP
LUV-40A	Cyan	Orange	YFP, Venus
LUV-50A	Green	Red	DsRed, RFP, mcherry

Filters

Camera Filters & Mobile Phone Filters



Model	Dimensions	Applications	Note
LUV-495A (Yellow)	67 mm	GFP, eGFP	For camera / mobile phone
LUV-520A (Green)	67 mm	GFP, eGFP	For camera / mobile phone
LUV-590A (Red)	67 mm	RFP, DsRed	For camera / mobile phone
LUV-550A (Orange)	67 mm	YFP	For camera / mobile phone

We provide camera lens adapter rings for 52 mm, 58 mm, 62 mm, 72 mm, 77 mm.

LUYOR-3280

Fluorescence Flashlight

LUYOR-3280 Fluorescence Flashlight is a portable, lightweight, and powerful flashlight to detect fluorescent proteins both in the lab and in the field! Each flashlight is paired with matching barrier filter glasses for maximum viewing contrast. Genotyping your transgenic organisms, screening cell cultures, inspecting parts with fluorescent penetrants, finding fluorescent critters in the field, ... LUYOR-3280 provides what you need!



Technical Data

- Rechargeable battery: 3.6-4.2V, 5000mHh
- Input: 100-240V AC, 50/60 Hz, 200mA
- Output: 4.2V, 500mA-1A
- Dimensions: head diameter 55 mm, tail diameter 35 mm, length 160 mm

Model	Excitation Wavelength
<i>LUYOR-3280UV</i>	360-370nm
<i>LUYOR-3280RB</i>	440-460nm
<i>LUYOR-3280LB</i>	480-490nm
<i>LUYOR-3280CY</i>	500-510nm
<i>LUYOR-3280GR</i>	520-530nm

What's Included

- LUYOR-3280 Fluorescence Flashlight
- Two BP-3280 rechargeable batteries
- A double-slot battery charger
- A pair of fluorescence viewing glasses
- A camera filter
- A mobile phone filter
- Instruction manual
- Warranty card
- Certificate
- A storage case



Optional: tripod



LUYOR-3421

Stereo Microscope Fluorescence Adapter

LUYOR-3421 Stereo Microscope Fluorescence Adapter adapts just about any stereo microscope for fluorescence with no modification to the microscope itself. LUYOR-3421 is equipped with a high-power LED, providing a large coverage area and intense excitation light. The modular design lets you easily switch between several different excitation/emission combinations to work with a variety of fluorescent proteins and other fluorophores. You can purchase additional modules at any time.



Wavelength Sets

<i>Model</i>	Light	Excitation	Emission	Applications
<i>LUYOR-3421RB</i>	Royal Blue	440-460nm	500nm longpass	GFP, FITC
<i>LUYOR-3421RB-GO</i>	Green Only	440-460nm	500–560nm bandpass	eGFP, mGFP, emgfp
<i>LUYOR-3421CY</i>	Cyan	490-515nm	550nm longpass	YFP, Venus, Lucifer Yellow
<i>LUYOR-3421GR</i>	Green	510-540nm	600nm longpass	DsRed, tdTomato, mCherry
<i>LUYOR-3421VI</i>	Violet	400-415nm	460nm longpass	CFP, BFP
<i>LUYOR-3421UV</i>	Ultraviolet	360-380nm	415nm longpass	DAPI, Hoechst

A full set includes:

1. Flexible gooseneck lamp base with dimmer control circuit
2. Power supply: 100-260V AC, 50/60Hz
3. Adapter ring that can be installed on existing stereo microscopes
4. LED light head
5. Barrier filter
6. Filter shield

Additional modular wavelength sets include:

1. Adapter ring
2. LED light head
3. Barrier filter
4. Filter shield

