

# RL-HP-02 Handpieces



RL-HP-02 series handpieces consist of core components including the fiber handle, lens or working tip, trigger switch, and flange connector, enabling efficient transmission of lasers with different intensity distributions. This series supports simultaneous output at multiple wavelengths, and offers low transmission loss along with stable and reliable operation, is widely used in medical and aesthetic fields. When integrated with RealLight's multi-wavelength diode laser modules, AWM series laser systems, and OEM modules, the RL-HP series achieves optimal performance.

## Key Features

- ◆ Excellent beam uniformity
- ◆ Multi-wavelength simultaneous output
- ◆ Low fiber transmission loss
- ◆ Handpiece with built-in trigger switch
- ◆ Rugged and reliable

## Lens

L102A Small Focus Lens



L103A Large Focus Lens



L303A Beam Expansion Lens



L304A Large Ball Lens



T101A Bended Tip



## Technical Specifications

Lens or Working Tip	L102A Small Focus Lens	L103A Large Focus Lens	L303A Beam Expansion Lens	L304A Large Ball Lens	T101A Bended Tip
Wavelength Range (nm)	600~1100				
Handpiece Transmission	>90%	>90%	>90%	>80%	>80%
Working Mode	Fiber transmission, replaceable lens or working tip				
Fiber Core (μm)	400				
Numerical Aperture of Fiber	0.22				
Fiber Connector	SMA905				
Switch Connector	4-pin aviation connector				
Fiber Length (m)	2±0.1				
Fiber Jacket (mm)	6 (Armored)				
Working Temperature (°C)	10~30				
Storage Temperature (°C)	-20~60				
Working/Storage Humidity	10~60% RH				

### Note:

1. Customization is available for various fiber core diameters, fiber lengths, and handpiece identification functions.
2. All the data in the above table are the typical values obtained from the tests at room temperature of 25°C, and the final data is subject to the final test report.