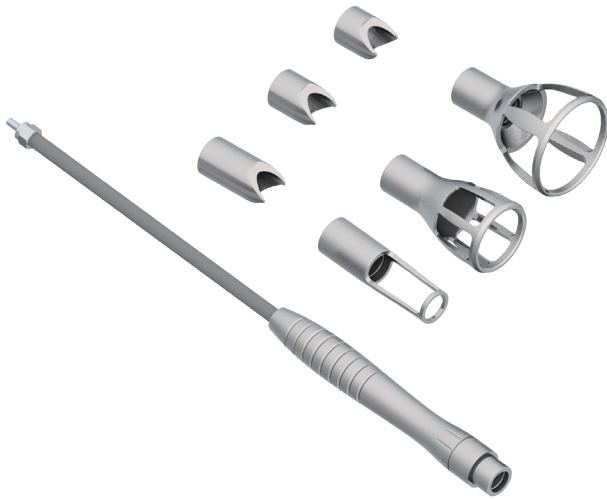


RL-HP-01 Handpieces



RL-HP-01 series handpieces consist of core components including the fiber handle, lens or working tip, and flange connector, enabling efficient transmission of lasers with different intensity distributions. This series features high coupling efficiency, a wide spectral compatibility range, excellent consistency, and outstanding stability, is widely used in biochemical, medical, aesthetic, and scientific research 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
- ◆ High spot expandability
- ◆ Wide wavelength range
- ◆ Low fiber transmission loss
- ◆ Customizable function switch

Lens

L101A Focus Lens



L201A Collimating Lens



L301A Small Beam Expansion Lens



L302A Large Beam Expansion Lens



Technical Specifications

Lens or Working Tip	L101A Focus Lens	L201A Collimating Lens	L301A Small Beam Expansion Lens	L302A Large Beam Expansion Lens
Wavelength Range (nm)	600~1100			
Beam Diameter ¹ (mm)	1,2,3 (3 levels)	5	20	30
Handpiece Transmission	>90%			
Working Mode	Fiber transmission, replaceable lens or working tip			
Fiber Core (μm)	400			
Numerical Aperture of Fiber	0.22			
Fiber Connector	SMA905			
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. The beam diameter refers to the diameter of the lens or the outlet of the working tip, with a tolerance of ±20%.
2. Other fiber core diameters, fiber lengths, and types of fiber connectors can be customized as per request.
3. 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.