

RL-HP-03 Handpieces



RL-HP-03 series handpieces consist of core components including the fiber handle, lens and working tip, 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 dental and medical 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
- ◆ Rugged and reliable

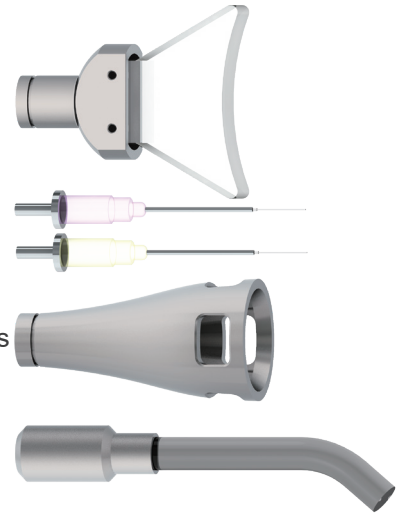
Lens

T301A Curved Working Tip

T302A Fiber Tip

L304A Beam Expansion Lens

T102A Bended Tip



Technical Specifications

Lens or Working Tip	T301A Curved Working Tip	T302A Fiber Tip	L304A Beam Expansion Lens	T102A Bended Tip
Wavelength Range (nm)	300~2200			
Handpiece Transmission	>80%	>90%	>90%	>80%
Working Mode	Fiber transmission, replaceable lens or working tip			
Core of Fiber Tip (μm)	-	300, 400	-	-
Fiber Core (μm)	200			
Numerical Aperture of Fiber	0.22±0.02			
Fiber Connector	SMA905			
Fiber Length (m)	2±0.1 (Customizable)			
Fiber Jacket (mm)	3			
Working Temperature (°C)	10~30			
Storage Temperature (°C)	-20~60			
Working/Storage Humidity	10~60% RH			

Note:

1. 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.