

# Micro Fiber Heads

## HFR series

Refer to our website for product details.

CCS HFR

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For quick access.

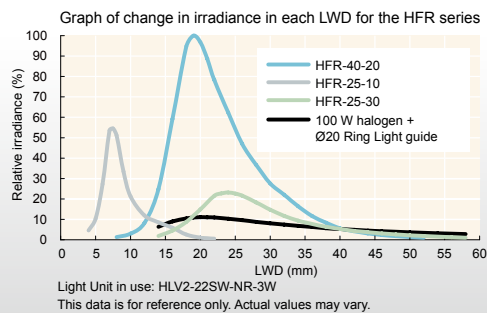
Other Products

Micro Fiber Heads

## LED Fiber Light (ring type) that uses original converging technology



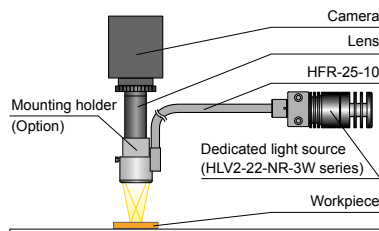
|                             |                           |
|-----------------------------|---------------------------|
| Model name                  | HFR-25-10/30<br>HFR-40-20 |
| Fiber material              | Plastic                   |
| Case material               | Aluminum alloy            |
| Flexible tube material      | SUS                       |
| Strand diameter (μm)        | 500                       |
| Fiber arrangement           | —                         |
| Numerical aperture (NA)     | 0.5                       |
| Receiving angle (°)         | 60                        |
| Transmitted wavelength (nm) | 400 to 700                |
| Minimum bending radius (mm) | 30                        |



## Features

The HFR series, a ring type, does not illuminate a broad range like a halogen fiber light, but can perform convergent illumination for the required field of vision.

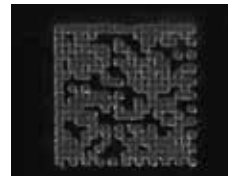
### Example configuration (HFR-25-10)



### Imaging using the HFR-25-10 (White)

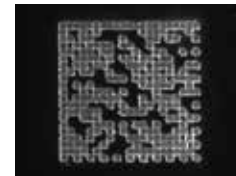


100 W halogen + Ring Light guide:  
LWD 20 mm



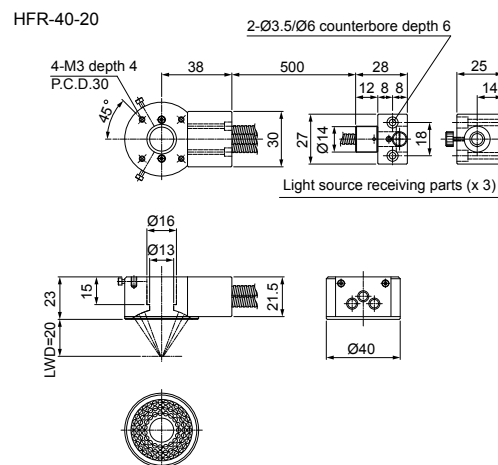
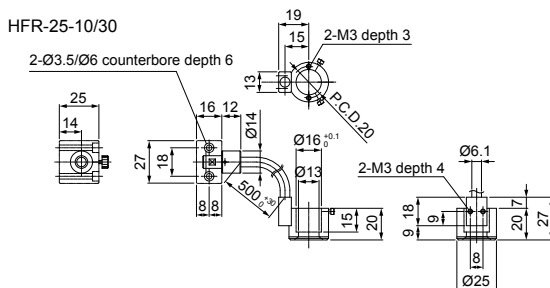
Intensity: 100%  
Shutter speed: 1/4,000 sec

HFR-25-10 (White): LWD 10 mm



Intensity: 100%  
Shutter speed: 1/4,000 sec

## Dimensions (mm)



## Options

### Mounting holder for the HFR-25-10/30

Light Units can be easily installed and mounted in the position for the most efficient convergence.



Dedicated Light Source (HLV2-22-NR-3W series) Product Page ▶ P.167

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