

Micro Fiber Heads

HFR series

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CCS HFR

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Other Products

Micro Fiber Heads

HFR series

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



HFR-25-30

HFR-25-10

HFR-40-20*

* Three dedicated light sources are required for use.

HFR-25-10

HFR-25-30

HFR-40-20

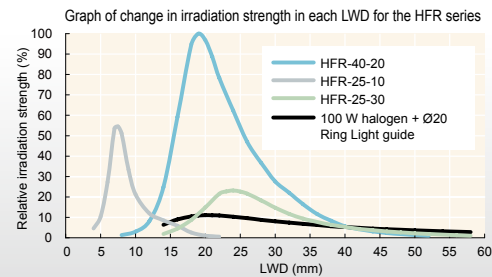


Ø5 mm near LWD 10 mm convergent illumination

Ø10 mm near LWD 30 mm convergent illumination

Ø10 mm near LWD 20 mm convergent illumination

Model name	HFR-25-10/30 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



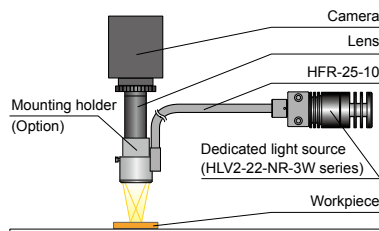
Light Unit in use: HLV2-22SW-NR-3W

* This data is for reference only. (This does not guarantee product quality.)

Characteristics

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.

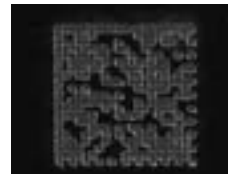
Example configuration (HFR-25-10)



Imaging using the HFR-25-10 (White)

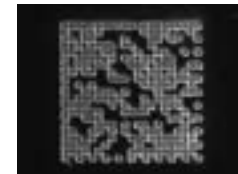


100 W halogen + Ring Light guide
LWD 20 mm



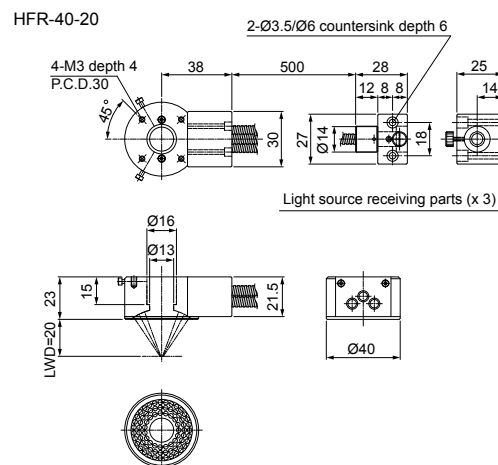
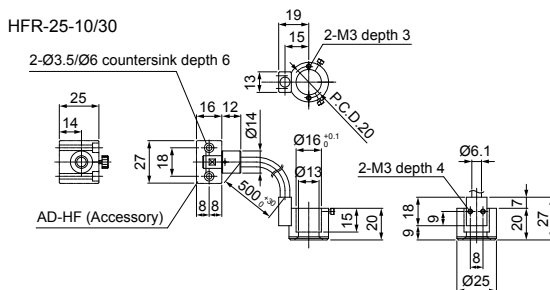
Intensity: 100%
Shutter speed: 1/4,000 sec

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.



HD-HFR-25-1640 HD-HFR-25-1618

Example of usage

Example of usage

Dedicated Light Source (HLV2-22-NR-3W series) Product Page ▶ P.109

LDR2
LDR2-LA
LDR-LA1
SQR
SQR-TP
HLDR-IP
HPR2
HPR
LFR
LKR
FPR
FPQ2
LDL2
HLDL2
TH
LFL
HPD2
HPD
LDL2
LAV
PDM
LFX2
LFV3
LFV2/LFV
MSU
MFU
UV2
UV
LNSP-UV-FN
IR
HLV2
LV
LSP
HFS/HFR
HLV2-NR
HLV2-3M- RGB-3W
PFB2
PFBR
LNSP
CU-LNSP
LNSP-FN
LN/LN-HK
LND2
HLND
LT
LNv
Telecentric Lens
Macro Lens

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Requests for Estimates

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