

Micro Fiber-heads **HFS/HFR** Series

LED fiber system

A next generation illumination system that has advantages of both LED and fiber.

Our original light focusing technology reaches unprecedented brightness

While halogen fiber lighting illuminates a wide area, the HFR Series using original-condensing techniques provides high intensity by illuminating only a required field of view.

Selectable in the lineup according the work sample character is tics.



LWD: Light Working Distance (Distance from a light to an object)

Clear images can be captured by selecting illumination range, illumination angle and luminosity

Actual images of chip part 100W Halogen light + Ø20Ring light guide

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The ring type HFR Series offers a wide variety of products so that you can choose the irradiation range, illumination angle, and luminance most suitable for the objects to be inspected and the environment.

HFR-25-30 (Blue)

HFR-40-20 (Blue)



Operating conditions Shutter speed: 500µsec (1/20,000 sec.) Lens: Double magnification

Light intensity: 100% Light used: HLV2-22BL-NR-3W

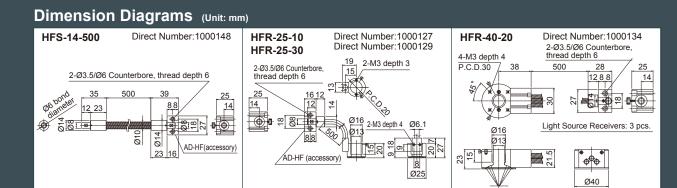
Detecting a small part that is difficult to capture with an existing halogen light source can be achieved with high contrast

Image comparison of alignment of TAB tape



HFR-25-30 (Blue) LWD 30mm





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Light Sources for Micro Fiber-heads HLV2-22-NR-3W Series

Allow users to choose the illumination color and intensity

Micro Fiber-head combination ensures compatibility with a wide array of applications.



By changing the light source color, features can be clearly extracted according to the application purpose

Red (RD), green (GR), blue (BL), and white (SW) light sources are available for near monochromatic LED lighting that can be matched to the spectral characteristics of the target object. Combination with a Micro Fiber-head allows the user to tailor the best illumination color and lighting configuration to extract the most accurate image.



Change color with ease

HLV2-22-NR-3W Series for Micro-Fiber- heads are easily attached and detached.

Connecting Adapter (AD-HF) is included with the HFS/HFR Series



Please use with a connecting adaptor, AD-HF

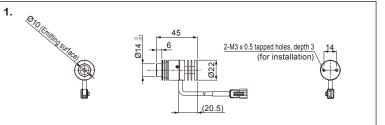
Direct Number : You can easily access the web page providing information on any desired product by simply entering the 7-digit direct number in the space provided. (Refer to the back cover of this brochure.)

Product Lineup Table

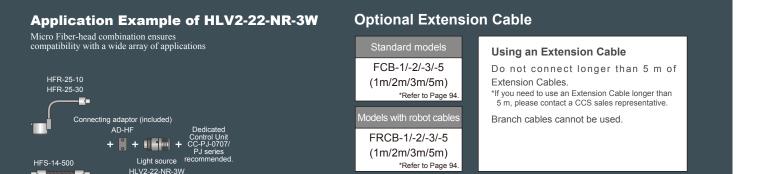
Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
HLV2-22-NR-3W	1004520	HLV2-22RD-NR-3W	•	2.8W	_	1
	1004521	HLV2-22SW-NR-3W	0			
	1004522	HLV2-22BL-NR-3W				
	1004523	HLV2-22GR-NR-3W				

Please use CC-PJ-0707 or PJ Series control unit for HLV2 Spotlights. Refer to pages 87 and 88 for details on Control Units for Spotlight Units.

Dimension Diagrams (Unit: mm)



Refer to pages 87 and 88 for details on Control Units for HLV2 Spotlights.



If you register as a CCS member, you can download all materials (such as PDF or DXF drawings and operation manuals) from our website. You can also request us to select the appropriate Light Unit, borrowing demonstration units and to quote the product's price. Please go ahead and register as a member today. (Refer to back cover of this brochure.)