

Micro Fiber Head Dedicated Light Sources HLV3-3M-RGB-4

A full color light source that achieves the illumination color perfect for your workpiece



HLV3-3M-RGB-4

Connection example for HLV3-3M-RGB-4 and a Micro Fiber Head



Straight type: HFS-14-500



Ring type: HFR-25-10 / HFR-25-30 / HFR-40-20 (Three light sources are required for use.)

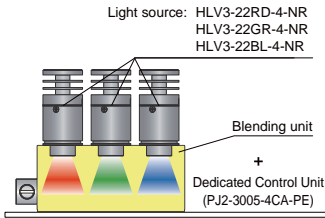
Features

The red, blue, and green light illuminated from the dedicated light sources is blended inside this unit, achieving the illumination color perfect for the workpiece. Combine with a Micro Fiber Head to support a wide variety of applications.

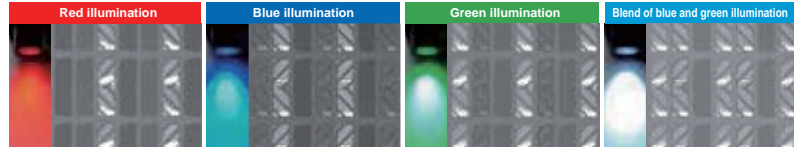
We accept custom orders. Please feel free to inquire.

- Shape modifications
- Brightness increases
- Changes in wavelength, etc.

Example configuration (HLV3-3M-RGB-4)



Imaging example: Imaging of liquid-crystal color filters



Use the HLV3-22-4-NR series to create illumination with a highly accurate blended color. Independently adjust the intensity for each color to create exactly the color you want and help improve inspection accuracy. Micro Fiber Head Product Page ▶ P.163 HLV3-22-4-NR series Product Page ▶ P.165

Lineup

Model name	LED color	Peak wavelength / correlated color temperature (typ.)	Input current (max.)	Power consumption (max.)	Options	Extension cables	Recommended Control Units	Weight (max.)
HLV3-3M-RGB-4	Red	630 nm	1,000 mA	11 W	-	FCB* ¹ Straight Cable FRCB Robot Cable FCB-HLV3-10 Straight Cable FRCB-HLV3-10 Robot Cable	PJ2-3005* ² -4CA-PE	232 g
	Blue	465 nm						
	Green	520 nm						

LED Properties: Spectral Distribution ▶ P.326

Extension Cables ▶ P.308

Control Unit Selection Guide ▶ P.251

List of Control Unit Specifications ▶ P.253

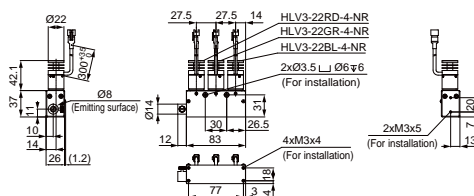
*1 The cables with a model name that ends with "-ME7", "-EL2", "-PF", or "-PF-EL9" are not included.
*2 PJ2-3005-4CA-PE is scheduled to be released soon.

Caution

- The total length of the FCB-1/-2/-3/-5 and FRCB-1/-2/-3/-5 Extension Cables must be no longer than 5 m.
- Branch cables cannot be used. Use the FCB series (straight cable) or the FRCB series (robot cable).

Dimensions (mm)

HLV3-3M-RGB-4



(Cable length: 300 mm)

You can inquire using our website.

- Sample Testing
- Light Unit Selection
- Free Product Trial
- Custom Orders
- Product Details
- Pricing/Quotation
- Discontinued Products

- Direct Lighting: LDR2, LDR2-LA, LDR-LA1, SQR, SQR-TP
- Diffused Lighting: HPR2, LFR, LKR, FPR, FPQ2
- Direct Lighting: LDL2, LDLB, HLDL2, HL
- Diffused Lighting: TH2 (5 types), TH, LFL, HPD2, LDM2, LAV, PDM, LFX3, LFX3-PT, LVF3
- Colimated Lighting: MSU, MFU
- Strobe Lighting: PF
- Water-proof Lighting: HLDR-IP/, HSL-PCL
- Ultraviolet Lighting: UV2, UV, LNSP-UV-FN
- Intensity/Infrared Control Lighting: IR2, IU
- Spot Lighting, Etc.: HL3, HL2, LV, LSP, HFS/HFR, HL3-NR, HLV3-3M-RGB-4, HL2-NR, HL2-3M-RGB-3W, PFBR, PFB3, PFB2
- Convergent Lighting: LNLP, LNSP2, LNSP, Coaxial Units, LNSP-FN, LN/LN-HK
- Diffused Lighting: LNSD, LND2, HLND, LT, LNV
- Oblique/Angled Lighting: LNDG, LNSI2, LNSI, LNSI-FN
- Lenses: Telecentric Lens, Macro Lens