

HLV3-C Series

Vision Light Tech

Product Introduction



CCS Inc., the leading manufacture of LED lighting for Machine Vision, has launched its new HLV3 Cylindrical Type Series spot lights as the direct successor of the HLV2 Units. The new HLV3-C Series uses the latest in LED technology, guaranteeing high intensity and high uniformity, and was designed with the use of our latest high-resolution telecentric lenses in mind. The series is also compatible with our complete range of condenser lenses, which allows for an increase in parallel light output or focusing the irradiation for increase intensity.

The new HLV3-C Series has the same housing as the HLV2 Series, making it easy for the user to replace in their existing machine vision applications. It also adds the 4W type to this cylindrical form factor, first introduced in the HLV3 Series.

The combination of high perform spot lights with high-resolution telecentric lenses or condenser lenses make this new product series ideal for use in wafer inspection or PCB inspection when working with a very small field of view.

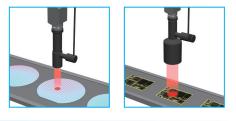
HL2-25-P

HL2-50-P

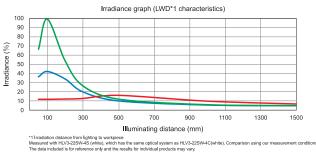
HL2-M50-C

Main Features

- **Direct replacement for HLV2 Series** •
- Optimized for high-resolution telecentric lenses
- Ideal when used with high-performing parallel and condenser lenses •
- Key applications include PCB inspection and wafer inspection

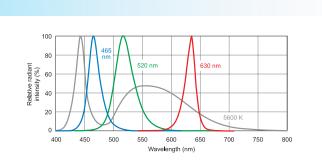


Condensor Lens Irradiance Comparison



Common Specifications

lue (465nm), Green (520nm)
3V-В
(+), 3: (-)
to 85%RH (with no condensation)
to 85%RH (with no condensation)
forms to EN62471
n alloy

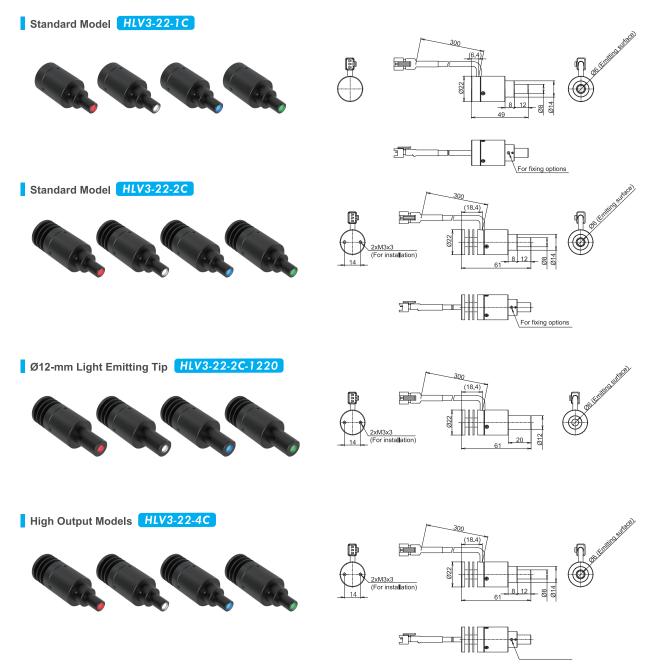


Model name*1	Input current	Power Consumption (max.)				Ontions	Extension	Recommended	Weight
	(max.)	RD (red)	SW (white)B	L (blue)	GR (green)	Options	cables	Control Units	(max.)
HLV3-22□□-1C	385 mA	1.1 W	1.3 W	1.4 W	1.4 W	- Condenser Lens	FCB ^{*3}	PD3*2	34 g
HLV3-22□□-2C	700 mA	2.0 W	2.4 W	2.6 W	2.7 W		Straight Cable	CC-PJ-0707 PJ	39 g
HLV3-22□□-2C-1220	700 mA	2.0 W	2.4 W	2.6 W	2.7 W		Robot Cable	Robot Cable	PJ2*2
HLV3-22□□-4C	1000 mA	3.0 W	3.5 W	3.8 W	4.0 W	Condenser Lens	FCB '3 Straight Cable FRCB Robot Cable FCB-HLV3-10 Straight Cable FRCB-HLV3-10 Robot Cable	PJ2*2	39 g

*1
in the model name indicates the LED emission color. RD: Red, SW: White, BL: Blue, GR: Green

*2 The PD3-3024-3 and PD3-5024-3 series are not applicable to these products. *3 The cables with a model name that ends with "-PF", "-PF-EL9", "-ME7", or "-EL2" are not included.

Product Drawings



For further information, please contact your local CCS representative © 2020 CCS Inc. All trademarks acknowledged.

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