

# Spot Lights HLV2-14/HLV2-22/HLV2-22-3W Series

# **High-output Spot Light** Lightweight and compact with a low power consumption and long service life. HLV2-22-1220-3Wseries HLV2-22series

### **Broad Lineup to Match Your Applications**

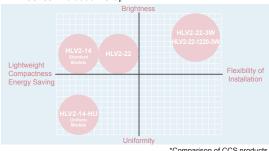
Saving Space / Demands for Small Spotlights Demands for Bright Spotlights / Demands for Spotlights with Uniform Illumination Reducing operating Costs / Reducing CO<sub>2</sub> Emissions

The HLV2 Series can be chosen to meet your specific needs and application environment.

#### **HLV2 Series Evaluation Chart**

	Brightness	Uniformity	Lightweight	Compactness	Flexibility of Installation	Energy Saving
HLV2-14	0	0	0	0	0	0
HLV2-14-HU Highly Uniform Model	Δ	0	0	0	0	0
HLV2-22 (for comparison)	0	0	0	0	0	0
HLV2-22-3W	0	0	Δ	Δ	0	0
HLV2-22-1220-3W	0	0	Δ	Δ	0	0

#### HLV2 Series Evaluation Graph



\*Comparison of CCS products

# **High-output Spot Light**

Improving the optics and boosting the light generation efficiency have yielded high-output illumination.

Previous Model(HLV-24SW-3W)



Previous models lacked sufficient output for some applications.

HLV2-22SW-3W

The HLV2 Series provides more than enough illumination for imaging.

Operating conditions: Shutter speed: 1/7,000 sec. Light intensity: 100%

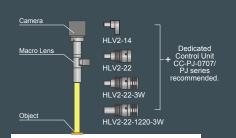
# **Smallest in the Industry: HLV2-14 Series**

Low weight and compact designs reduce space requirements.



# **Application Example of HLV2 series**

Combine this Series with our unique Macro Lenses to achieve optimal illumination solutions.



#### **Examples of Spot Light Images**

Imaging of Alignment Marks for LCD Panels

Light used: HLV2-14RD

Shutter speed: 1/2,000 sec. Light intensity: 20%

Character Recognition on Wafers

Light used: HLV2-22SW



Character Recognition on **Photocouplers** 



# **Product Lineup Table**

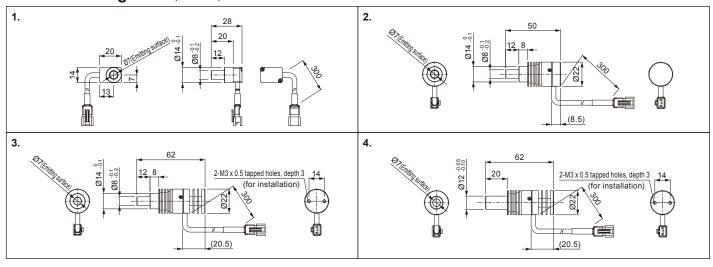
Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
HLV2-14	1004853	HLV2-14RD	•	- 0.9W	_	1
	1004854	HLV2-14SW	0			
	1004855	HLV2-14BL				
	1004856	HLV2-14GR				
	1004857	HLV2-14RD-HU				
	1004858	HLV2-14SW-HU	0			
	1004859	HLV2-14BL-HU				
	1004860	HLV2-14GR-HU				
HLV2-22	1004512	HLV2-22RD	•			
	1004513	HLV2-22SW		1.4W		2
	1004514	HLV2-22BL		1.4vv —		
	1004515	HLV2-22GR				

Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
HLV2-22-3W	1004516	HLV2-22RD-3W	•	2.8W		3
	1004517	HLV2-22SW-3W	0			
	1004518	HLV2-22BL-3W				
	1004519	HLV2-22GR-3W	•			
HIV2-22-1220-3W	1004524	HLV2-22RD-1220-3W	•			
	1004525	HLV2-22SW-1220-3W				4
	1004526	HLV2-22BL-1220-3W				-
	1004527	HLV2-22GR-1220-3W	•			

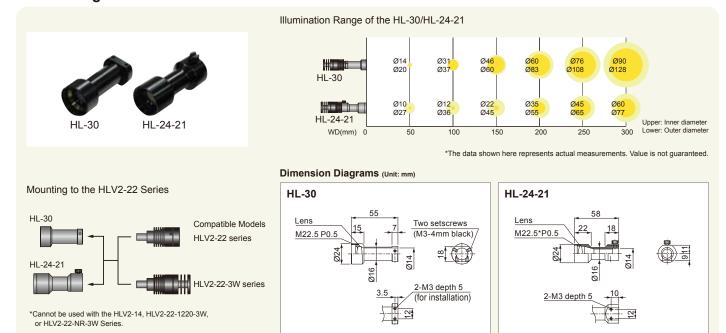
	Series	Direct Number	Model Name	Outline	
	HL	4000249	HL-30	Condensing Lens Dedicated	
I IL	4000248	HL-24-21	to the HLV2-22/-3W Series		

Please use CC-PJ-0707 or PJ Series control unit for HLV2 Spotlights. Refer to pages 101 and 102 for details on Control Units for HLV2 Spotlights.

## Dimension Diagrams (Unit: mm)



### Condensing Lens for the HLV2-22 Series: HL-30/HL-24-21



#### **Optional Extension Cable**

Standard models	Models with robot cables	Using an Extension Cable
FCB-1/-2/-3/-5	FRCB-1/-2/-3/-5	Do not connect longer than 5 m of Extension Cables.  *If you need to use an Extension Cable longer than 5 m, please contact a CCS sales representative.
(1m/2m/3m/5m) *Refer to Page 106	(1m/2m/3m/5m) *Refer to Page 106	Branch cables cannot be used.

Refer to pages 101 and 102 for details on Control Units for HLV2 Spotlights.