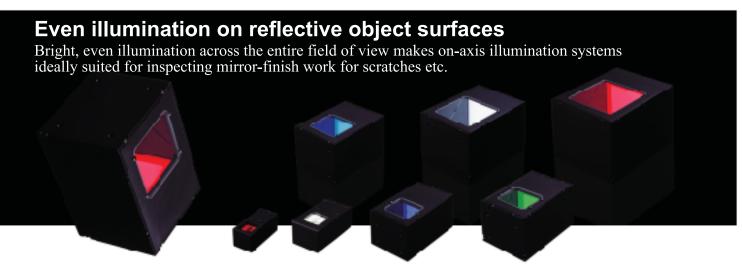


Coaxial Lights / Line Lights with Coaxial System LFV/LFV2 Series / LNV Series





LFV/LFV2/LFV2-CP Series

Tél: 0326824929 Fax: 0326851908

Siège social 2 rue René Laennec 51500 Taissy France

LFV2 / LFV2-CP Series

⊕hvssystem.com
● Use of CCS's unique heat-dissipating structures minimize temperature increases due to the heat generation in LEDs. This increases the intensity stability of the light over time.

LFV / LFV2 / LFV2-CP Series

- Use of a half mirror with anti-reflection coating eliminates
- www.hvssystem.com The viewing window is protected with optical glass, preventing the dust entry.

 Co-axial lights with a lens mounting ring are available. These lights can be mounted directly to the threaded part of the lens commonly used for mounting a filter and are best suited for installation in confined places. (available in M25.5, M27, and M30.5 types)



LFV-34-M27

LNV-300

The LNV-300 provides coaxial drop illmination for line sensors. Chip LEDs are used to achieve ultra-even illumination.



LFV2-5 Series

LFV2-5 Series.

■ The lens and illumination system are combined in one unit, making the system much easier to use than a separate illumination system combined with a standard f50mm



Magnification / Field of View

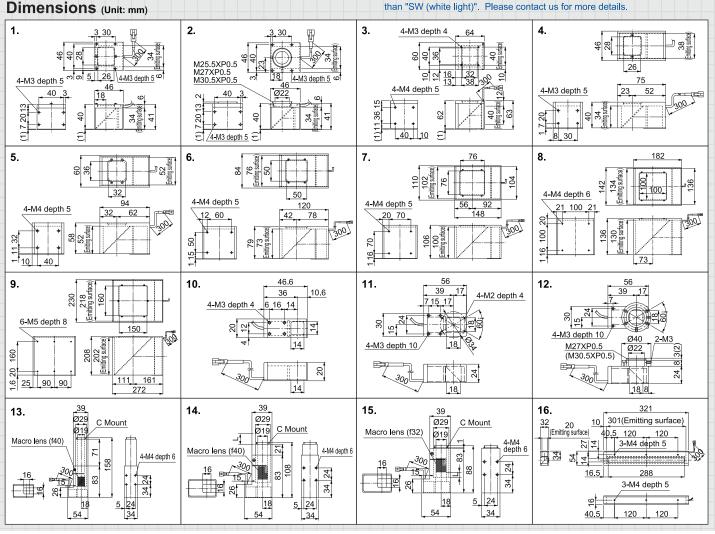
	Magnification	┙	WD	1/3 in.CCD	1/2 in.CCD
LFV2-5-2	2.4 X	ı	28 _{mm} or less	Field of View:1.5mm	Field of View:2mm
듀	1.1 X	0 _{mm}	45mm or less	Field of View:3.2mm	Field of View:4.2mm
LFV2-5-5	}	}	~	~	}
5-5	3 X	70 _{mm}	23 _{mm} or less	Field of View:1.2mm	Field of View: 1.6mm
두	1 X	0 _{mm}	22 _{mm} or less	Field of View: 3.5mm	Field of View:4.6mm
LFV2-5-12	}	\sim	~	~	}
	0.4 X	20 _{mm}	53 _{mm} or less	Field of View:9.3mm	Field of View:12.2mm

Product Lineup Table

	Series	Model Name	Color	Power Consumption	Options	Dimension	
	LFV ^{*1}	LFV-34	•	12V/2.9W	_	1	
		LFV-34-SW/-GR/-BL	$\bigcirc I \bullet I \bullet$	24V/2.4W	_		
		LFV-34-M25	•	12V/2.9W	I		
		LFV-34-M27	•	12V/2.9W	_	2	
		LFV-34-M30	•	12V/2.9W	_		
		LFV-40	•	12V/2.4W	_	3□	
		LFV-40-SW/-GR/-BL	$\bigcirc I \bullet I \bullet$	24V/3.3W	_		
		LFV2-35RD	•	12V/2.4W	P•L	4	
		LFV2-35SW/GR/BL	$\bigcirc I \bullet I \bullet$	24V/3.3W	P•L	4□	
		LFV2-50RD	•	12V/6.6W	P•L	E	
	1.5.72	LFV2-50SW/GR/BL	$\bigcirc I \bullet I \bullet$	24V/9.0W	P•L	5□	
	LFV2	LFV2-70RD	•	12V/9.3W	P•L	6	
		LFV2-70SW/GR/BL	$\bigcirc I \bullet I \bullet$	24V/14W	P•L		
		LFV2-100RD	•	12V/18W	P•L	7	
		LFV2-100SW/GR/BL	$\bigcirc I \bullet I \bullet$	24V/24W	P•L		

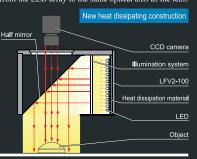
	Series	Model Name	Color	Power Consumption	Options	Dimension	
	LFV2	LFV2-130RD		12V/28W	P•L	8 9	
		LFV2-130SW/GR/BL	$\bigcirc l \bullet l \bullet$	24V/41W	P•L		
		LFV2-200RD	•	24V/42W	P•L		
		LFV2-200SW/GR/BL	$\bigcirc I \bullet I \bullet$	24V/46W	P•L	9_	
	LFV2-CP	LFV2-CP-13RD	•	12V/0.9W	_	10□	
		LFV2-CP-13SW/GR/BL	$\bigcirc I \bullet I \bullet$	12V/0.7W	_		
1		LFV2-CP-18RD	•	12V/1.2W	_	11	
L		LFV2-CP-18SW/GR/BL	$\bigcirc I \bullet I \bullet$	24V/1.6W	_	''	
		LFV2-CP-18RD-M27	•	12V/1.2W	_	12	
		LFV2-CP-18RD-M30	•	12V/1.2W	_	12	
	LFV2-5	LFV2-5-2RD	•	12V/1.2W	_	13	
		LFV2-5-5RD	•	12V/1.2W	_	14	
		LFV2-5-12RD	•	12V/1.2W	ı	15	
		LNV-300	•	24V/5.4W	-	16	
		LNV-300-SW/-GR/-BL	$\bigcirc I \bullet I \bullet$	24V/10W	_	.0	
*1	*1: The Series listed here includes "SW2" white light with higher light intensity						

than "SW (white light)". Please contact us for more details.



Illumination structure of LFV

A half mirror aligns the high-intensity, even light from the LED array to the same optical axis as the lens.



Example of Coaxial Illumination Images

Even small scratches are made

clearly visible, using an on-axis



Inspecting for Bearing Face Damage Bearing Periphery Inspection

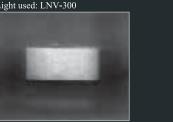
With standard coaxial illumination, the light is concentrated at the center of the illumination area.

Light used: LFV2-50RD



With the LNV-300, even lumination is achived over a wide area.

Light used: LNV-300



Luminosity Characteristics of the LFV-34

Below is x and y axis characteristics for a typical LFV coaxial light. As can be seen, it provides an extremely uniform light distribution in both axes. In addition, the light may be collimated by using LC film filter





