

# Options

## Light Control (LC) Film

Refer to our website for product details.

CCS LC film

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For quick access.



For the Flat Lights TH2/TH series

For the Coaxial Lights Lfv3/Lfv-PF series

### For the Flat Lights TH2/TH series

The parallelism of light is improved to reduce light diffraction for performing external inspection of workpieces, and provide sharp imaging of profiles.

Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
LC-TH-27X27-HO	TH2-27X27/	39	29	0.63
LC-TH-27X27-VE	TH-27X27			
LC-TH-43X35-HO	TH2-43X35/	47	45	
LC-TH-43X35-VE	TH-43X35			
LC-TH-51X51-HO	TH2-51X51/	63	53	
LC-TH-51X51-VE	TH-51X51			
LC-TH-63X60-HO	TH2-63X60/	72	75	
LC-TH-63X60-VE	TH-63X60			
LC-TH-83X75-HO	TH2-83X75/	87	95	
LC-TH-83X75-VE	TH-83X75			
LC-TH-100X100-HO	TH2-100X100/	112	112	
LC-TH-100X100-VE	TH-100X100			

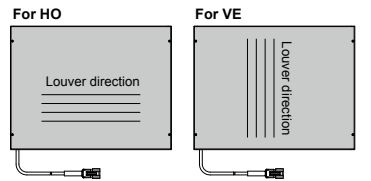
Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
LC-TH-140X105-HO	TH2-140X105/	117	152	0.63
LC-TH-140X105-VE	TH-140X105			
LC-TH-160X120-HO	TH2-160X120/	132	172	
LC-TH-160X120-VE	TH-160X120			
LC-TH-200X150-HO	TH2-200X150/	162	212	
LC-TH-200X150-VE	TH-200X150			
LC-TH-211X200-HO	TH2-211X200/	212	223	
LC-TH-211X200-VE	TH-211X200			
LC-TH-224X170-HO	TH2-224X170/	182	236	
LC-TH-224X170-VE	TH-224X170			

For the TH2: These films are not applicable to the high-directivity, large, rectangular, and camera-window type Light Units.

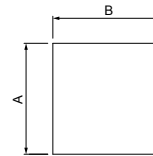
The Flat Lights TH2/TH series offers a selection of long or short louver directions.

**Model names ending with HO:**  
The direction of louvers is horizontal when attaching with the cable outlet facing downwards as shown in the drawing.

**Model names ending with VE:**  
The direction of louvers is vertical when attaching with the cable outlet facing downwards as shown in the drawing.



• Dimensions (mm)

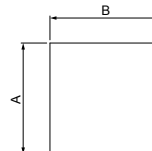


### For the Flat Lights LFL series

The parallelism of light is improved to reduce light diffraction for performing external inspection of workpieces, and provide sharp imaging of profiles.

Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
LC-LFL-100	LFL-100	120	132	0.63
LC-LFL-180	LFL-180	176.8	213.8	
LC-LFL-200	LFL-200	222	234	

• Dimensions (mm)



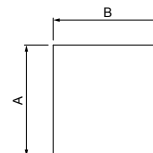
### For the Coaxial Lights Lfv3/Lfv-PF series

The parallelism of light is improved and the particularities of a workpiece can be effectively imaged.

Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
LC-Lfv3-35	Lfv3-35/	34	42	0.63
LC-Lfv3-50	Lfv3-50/			
LC-Lfv3-50X100	Lfv3-50X100	52	106	
LC-Lfv3-70	Lfv3-70	73	80	

Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
LC-Lfv3-100	Lfv3-100	100	106	0.63
LC-Lfv3-130	Lfv3-130	130	138	
LC-Lfv3-200	Lfv3-200	202	222	

• Dimensions (mm)



#### Example of usage

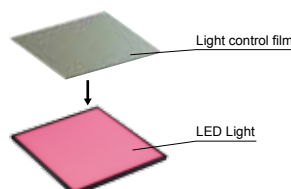
External imaging of a metal rod



No light control film      Using light control film

#### Example installation

Example: Attachment of the Flat Lights TH2 series



**Caution** LC film is a consumable. Heat may cause deformation or discoloring depending on the use environment. Make sure that countermeasures against overheating are implemented and that the temperature does not exceed the operating limit.