

Light Control (LC) Films

For the Flat Lights
TH2 / TH seriesFor the Coaxial Lights
LFLV3 / LFLV-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 / TH-27X27	39	29	0.63
LC-TH-27X27-VE	TH2-27X27 / TH-27X27			
LC-TH-43X35-HO	TH2-43X35 / TH-43X35	47	45	
LC-TH-43X35-VE	TH2-43X35 / TH-43X35			
LC-TH-51X51-HO	TH2-51X51 / TH-51X51	63	53	
LC-TH-51X51-VE	TH2-51X51 / TH-51X51			
LC-TH-63X60-HO	TH2-63X60 / TH-63X60	72	75	
LC-TH-63X60-VE	TH2-63X60 / TH-63X60			
LC-TH-83X75-HO	TH2-83X75 / TH-83X75	87	95	
LC-TH-83X75-VE	TH2-83X75 / TH-83X75			
LC-TH-100X100-HO	TH2-100X100 / TH-100X100	112	112	
LC-TH-100X100-VE	TH2-100X100 / TH-100X100			

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

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

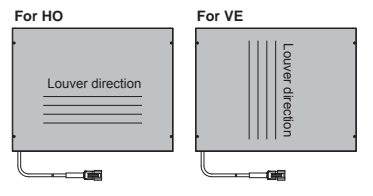
The Flat Lights TH2/TH series offers a selection of long or short louver directions.

Model names ending with HO:

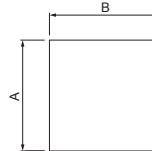
The direction of louvers is horizontal when attaching with the cable outlet facing downwards as shown in the drawing.

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)

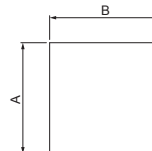


For the Flat Lights LFL Series

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)



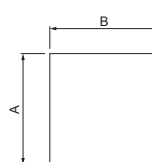
For the Coaxial Lights LFLV3 / LFLV-PF Series

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-LFLV3-35	LFLV3-35 / LFLV-PF-35	34	42	0.63
LC-LFLV3-50	LFLV3-50 / LFLV-PF-50	52	56	
LC-LFLV3-50X100	LFLV3-50X100	52	106	
LC-LFLV3-70	LFLV3-70	73	80	

Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
LC-LFLV3-100	LFLV3-100	100	106	0.63
LC-LFLV3-130	LFLV3-130	130	138	
LC-LFLV3-200	LFLV3-200	202	222	

● Dimensions (mm)



Example of usage

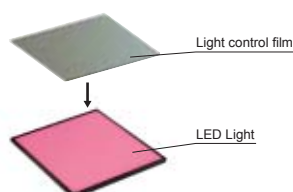
External imaging of a metal rod



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.