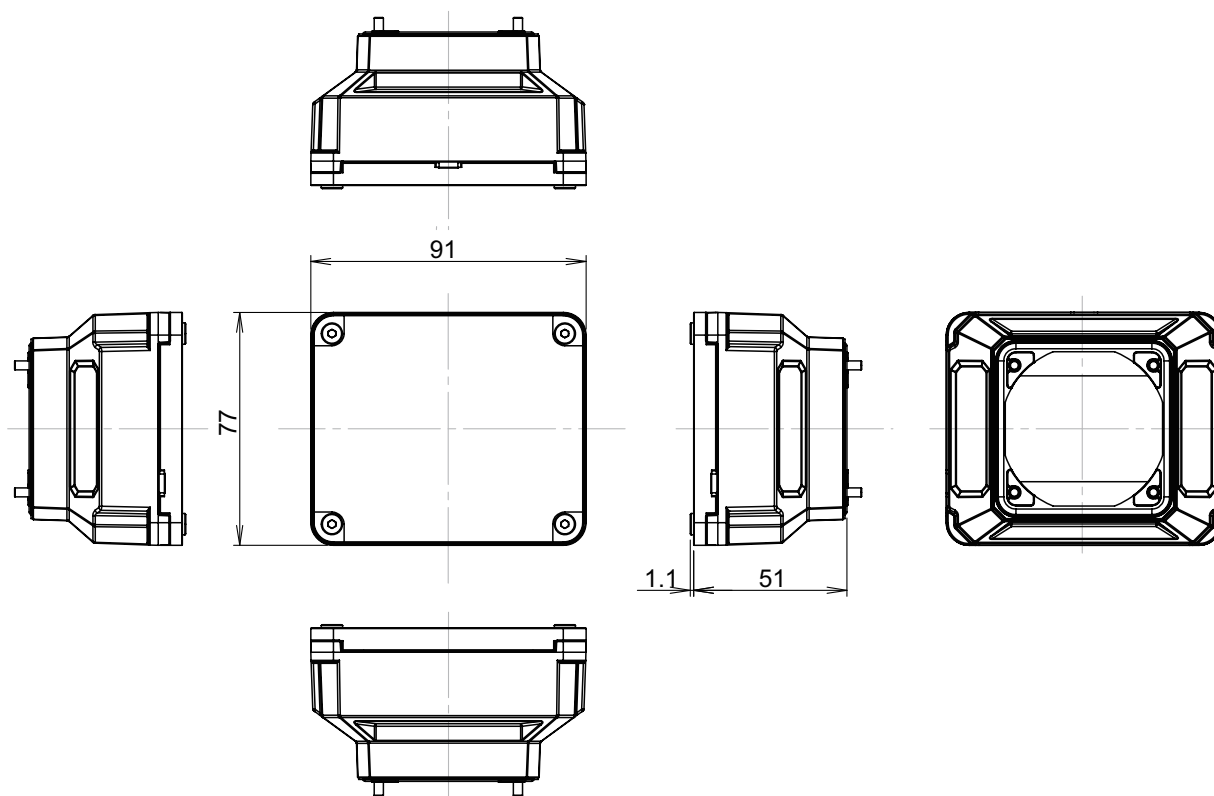


## 3-6 Lighting Modules

### 3-6-1 Specifications

Model	FHV-LTM-W	FHV-LTM-R	FHV-LTM-IR	FHV-LTM-MC
Color	White	Red	Infrared light	Multi color
Peak wave length	-	Typ. 630 nm	Typ. 850 nm	R: Typ. 630 nm G: Typ. 525 nm B: Typ. 465 nm IR: Typ. 850 nm
Light source	LED	LED	LED	LED
Risk group	Group 2	Group 1	Group 1	R: Group 1 G: Group 2 B: Group 2 IR: Group 1
Usage environment	Ambient temperature range	Operating: 0 to +40°C, Storage: -25 to +65°C (with no icing or condensation)		
	Ambient humidity range	Operating & Storage: 35 to 85% (With no condensation)		
	Ambient atmosphere	No corrosive gases		
	Vibration tolerance	Oscillation frequency: 10 to 150Hz, Half amplitude: 0.35 mm, Vibration direction: X/Y/Z, Sweep time: 8 minutes/count, Sweep count: 10 times		
	Shock resistance	Impact force: 150 m/s <sup>2</sup> , Test direction: 6 directions, three time each (up/down, front/behind, left/right)		
Dimensions	52 mm × 91 mm × 77 mm (HxWxD)			
Weight	270 g	270 g	270 g	270 g
Material	Aluminum die-casting (ADC12), polycarbonate			
Accessories	<ul style="list-style-type: none"> <li>• Waterproof packing (small) FHV-XWP-CAM:1</li> <li>• Waterproof packing (large) FHV-XWP-LTM: 1</li> <li>• Light shielding sheet FHV-XLS-LTM: 1</li> <li>• Lighting cover FHV-XCV: 1</li> <li>• Hexagonal wrench (length: 60 mm): 1</li> <li>• Instruction sheet: 1</li> <li>• Compliance sheet: 1</li> </ul>			

**3-6-2 Dimensions**

(Unit: mm)

**Additional Information**

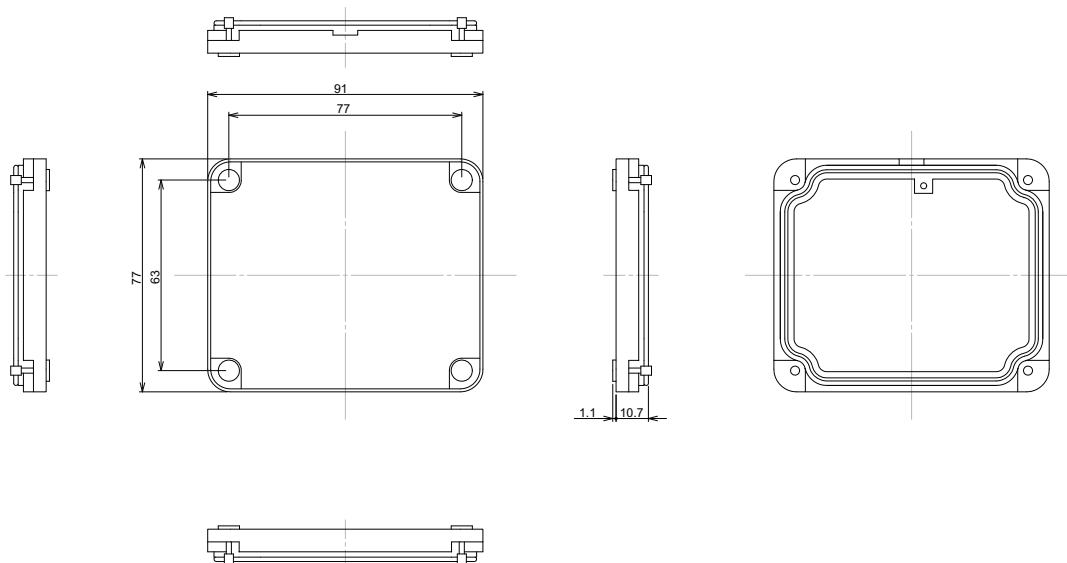
We have the 2D CAD data or 3D CAD data.  
You can download CAD data from [www.fa.omron.co.jp](http://www.fa.omron.co.jp).

## 3-7 Optical Filters

### 3-7-1 Specifications

Model	FHV-XDF	FHV-XPL	FHV-XPL-IR	FHV-XCV
Filter type	Diffusion filter	Polarization filter	Polarization filter	Lighting cover for replacement
Wavelength	Visible to infrared	Visible	Visible to infrared	Visible to infrared
Adapted lighting module	FHV-LTM-W FHV-LTM-R FHV-LTM-IR FHV-LTM-MC	FHV-LTM-W FHV-LTM-R FHV-LTM-MC (Infrared light is not used.)	FHV-LTM-W FHV-LTM-R FHV-LTM-IR FHV-LTM-MC	FHV-LTM-W FHV-LTM-R FHV-LTM-IR FHV-LTM-MC
Usage environment	Ambient temperature range	Operating: 0 to +40°C, Storage: -25 to +65°C (with no icing or condensation)		
	Ambient humidity range	Operating & Storage: 35 to 85% (With no condensation)		
	Vibration tolerance	No corrosive gases		
	Shock resistance	Oscillation frequency: 10 to 150Hz, Half amplitude: 0.35 mm, Vibration direction: X/Y/Z, Sweep time: 8 minutes/count, Sweep count: 10 times		
	Vibration tolerance	Impact force: 150 m/s <sup>2</sup> , Test direction: 6 directions, three time each (up/down, front/behind, left/right)		
Material	Aluminum (A6061), polycarbonate			
Weight	Approx. 70 g	Approx. 70 g	Approx. 70 g	Approx. 70 g

### 3-7-2 Dimensions



(Unit: mm)