

*If you notice an abnormal condition, immediately stop using the product, turn off the power, and consult your dealer.

·Locations where the ambient temperature exceeds the rated temperature

*Locations where the relative humidity is below or above 35 to 85% RH.

·Locations where there are corrosive or flammable gases. ·Locations where there is dust, salt, or iron powder.

range.

*Locations subject to sudden temperature changes (where condensation will

Locations where the evice will be subject to direct vibration or shock.
 Locations where the device will be subject to direct vibration or shock.
 Locations where there is strong scattered light (laser light, are welding light, ultraviolet light, etc.)
 Locations exposed to direct sunlight or next to a heater.
 Locations where there is splashing or spraying of water, oil, or chemicals.
 Locations where there is a strong electrical or magnetic field.

*Do not use thinners, benzene, acetone, kerosene to clean the product. *Please wipe the contamination with a soft cloth included a small amount of

3.About diffuser plate of UV Lighting.

There is a possibility that diffuser plate discolors by usage state, so it's recommended to exchange it periodically.

performance and the device.

1.Installation site

Do not install in the following locations

PRECAUTIONS FOR CORRECT USE Observe the following to prevent failure, malfunctioning, and adverse effects on

© OMRON Corporation 2013 All Rights Reserved.	Item	Model	FLV-BR6022DF FLV-BR6022DF50 FLV-BR6022DF30	FLV-BR6424DF	FLV-BR8532DF50	FLV-BR11222DF FLV-BR11222DF50 FLV-BR11222DF30		FLV-BR14030DF50	FLV-BR15020DF50	FLV-BR21222DF FLV-BR21222DF50 FLV-BR21222DF30		
	Applica	ble Lighting	FLV-BR6022□	FLV-BR6424UV	FLV-BR8532□	FLV-BR11222□	FLV-BR11624UV	FLV-BR14030□	FLV-BR15020	FLV-BR21222	FLV-BR21230□	F
	Ambien	t Temperature	Operating: 0 to	+50°C, Storage:	-15 to +60°C (v	vith no icing or co	ndensation)					
Please observe the following precautions for safe use of the products. 1.Mounting	Ambier	nt Humidity	Operating and storage: 35% to 85% (with no condensation)									
	Vibratio	n Resistance (destructive)	10 to 150 Hz, (0.7mm double amplitude) 80 min. each in X, Y, and Z directions									
	Shock	Resistance (destructive)	e) 150 m/s ² 3 times each in 6 directions(up/down, left/right, forward/backward)									
Please be securely tightening the screw.	Materi	als	PMMA (FLV-BR□DF/BR□30) 、PC (FLV-BR□DF50)									

Weight Accessories

Specifications

Vibration Resistance (destructive)

Model

Shock Resistance (destructive)

Shock Resistance (destructive)

PMMA

FLV-DL5890DF

FLV-DL5890

PMMA

Approx.20g

 $(M1.4 \times 8)$

Approx.10g

Instruction sheet (this sheet),

Approx.10g

Instruction sheet (this sheet), Mounting screws(M1.4 x 4)

Item Model

Materials

Accessories

Applicable Lighting

Ambient Temperature

Ambient Humidity Vibration Resistance (destructive)

Materials

Accessories

Weight

Weight

Item

Applicable Lighting

Ambient Temperature Ambient Humidity FLV-DR3220DF FLV-DR4415DF FLV-DR5030DF FLV-DR3220DF50 FLV-DR4415DF50 FLV-DR5030DF50

FLV-DR3220DF30 | FLV-DR4415DF30 | FLV-DR5030DF30

Instruction sheet (this sheet), Mounting frame

Operating and storage: 35% to 85% (with no condensation)

Operating and storage: 35% to 85% (with no condensation)

Operating: 0 to $+50^{\circ}$ C, Storage: -15 to $+60^{\circ}$ C (with no icing or condensation)

10 to 150 Hz, (0.7mm double amplitude) 80 min. each in X, Y, and Z directions

FLV-DL7260DF

FLV-DL7260

Operating: 0 to $+50^{\circ}\text{C}$, Storage: -15 to $+60^{\circ}\text{C}$ (with no icing or condensation)

10 to 150 Hz, (0.7mm double amplitude) 80 min. each in X, Y, and Z directions

150 m/s² 3 times each in 6 directions(up/down, left/right, forward/backward)

Approx.35g

Approx.10g

Instruction sheet (this sheet),

150 m/s² 3 times each in 6 directions(up/down, left/right, forward/backward)

■Diffuser Board
Diffuser boards can be selected depending on the transparency rate and diffusivity.Refer to the table below.

Model	FLV-□DF	FLV-□DF50	FLV-□DF30
Transparency rate	High	Middle	Low
Diffusivity	Low	Middle	High
Identification	None	1	2

■Mounting Diffusion Plate

●Mounting FLV-DR□DF□, FLV-DL□DF□

·Mounting frame mount type

Models: FLV-DR3220DF□, FLV-DF4415DF□, FLV-DR5030DF□, FLV-DR6030DF, FLV-DR6615DF□, FLV-DR700DF□, FLV-DR753DDF, FLV-DR900DF□, FLV-DR900DF□, FLV-DR900DF□, FLV-DR900DF□, FLV-DR900DF□, FLV-DR900DF□, FLV-DR9030DF□, FLV-DR9215DF□, FLV-DL7260DF□, 1.Mount a Diffusion Plate.



■Identification Marks The identification marks as shown below are attached to FLV-□DF50 and FLV-□DF30.

Approx.10g

One identific	cation mark	Two identification marks			
FLV-DR□DF50 FLV-DL□DF50	FLV-BR□DF50	FLV-DR□DF30 FLV-DL□DF30	FLV-BR□DF30		
·	0	, , , ,	0		

Approx.10g

FLV-DR6615DF

FLV-DR6615DF50

FLV-DR6615DF30

FLV-DR3220 | FLV-DR4415 | FLV-DR5030 | FLV-DR6030UV | FLV-DR6615 | FLV-DR7030 | FLV-DR7030 | FLV-DR7530UV | FLV-DR9000

FLV-DL12060DF

FLV-DL12060

Approx.30g

Instruction sheet (this sheet),

FLV-DR7030DF

FLV-DR7000DF30 | FLV-DR7030DF30

FLV-DR7030DF50

FLV-DL15060DF

FLV-DL15060

Approx.30g

(M1.4 x 12)

Approx.15g

Instruction sheet (this sheet).

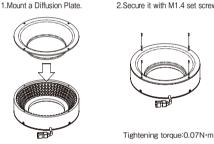
Approx.10g

Approx.15g

FLV-DR7000DF FLV-DR7000DF50

 Approx.25g
 Approx.25g
 Approx.25g
 Approx.25g
 Approx.25g
 Approx.45g
 Approx.35g
 Approx.45g
 Approx.

·Mounting screw mounting type Models : FLV-DR12030DF□,FLV-DL5890DF□, FLV-DL12060DF□,FLV-DL15060DF□ 2. Secure it with M1.4 set screws.



■Mounting FLV-BR□DF□

FLV-DR9000DF50

FLV-DR9000DF30

FLV-DR9030DF50

FLV-DR9215DF50 FLV-DR12030DF50

FLV-BR38037DF FLV-BR38037DF50 FLV-BR38037DF50 FLV-BR38037DF30 FLV-BR48031DF50 FLV-BR48031DF30

FLV-BR38037 FLV-BR48031

Approx.40g

Approx.40g

Instruction sheet

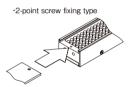
FLV-DR9030DF30 | FLV-DR9215DF30 | FLV-DR12030DF30

FLV-DR9030□ FLV-DR9215□ FLV-DR12030□

1.Insert the Diffusion Plate into the groove at the edge of the illumination ·4-point screw fixing type

Approx.20g

Instruction sheet (this sheet), Mounting screws(M1.4 x 8)



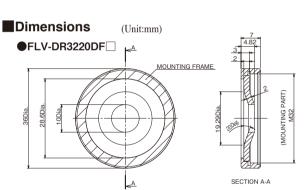
·2-point screw fixing type

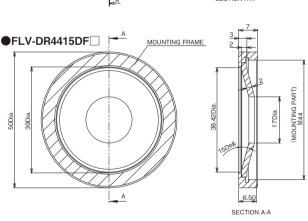
Secure it with M1.4 screws.

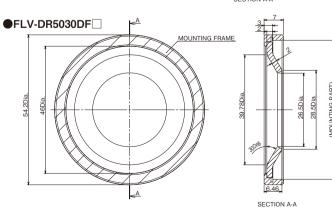
·4-point screw fixing type

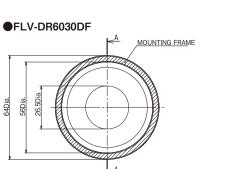


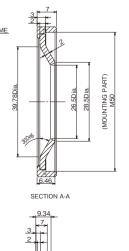
Tightening torque:0.07N·m

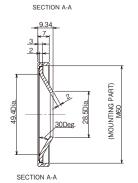


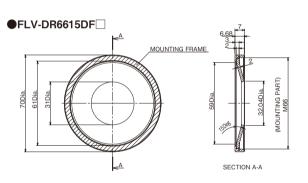


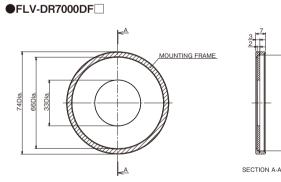


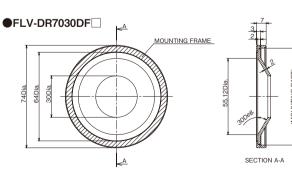


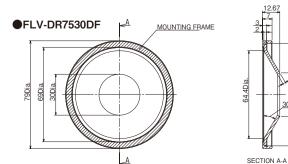


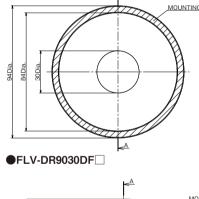




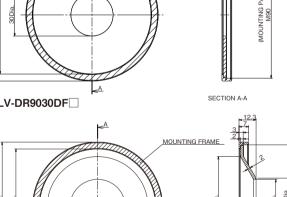


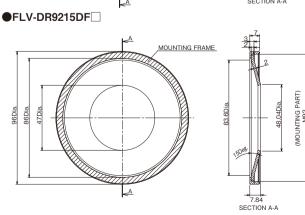


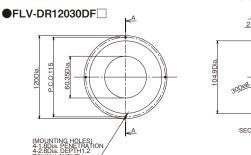


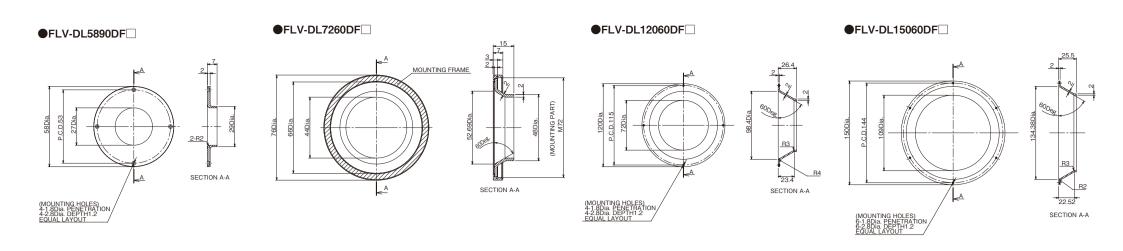


●FLV-DR9000DF□

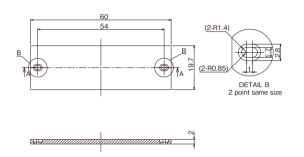




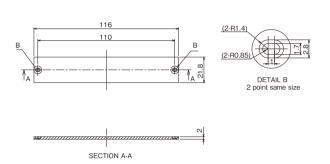




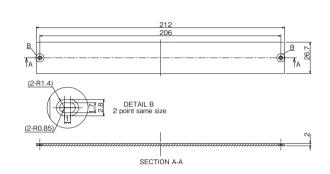




●FLV-BR11624DF

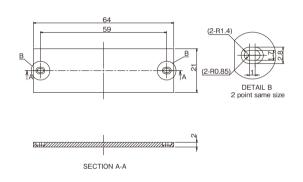


●FLV-BR21230DF□

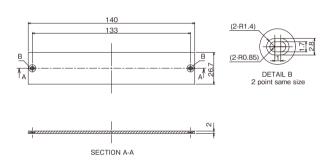


●FLV-BR6424DF

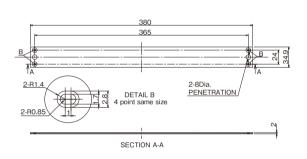
SECTION A-A



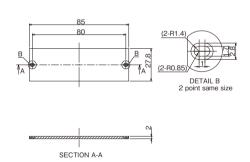
●FLV-BR14030DF□



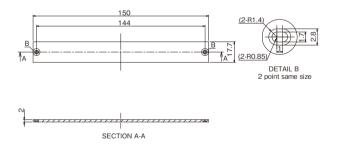
●FLV-BR38037DF□



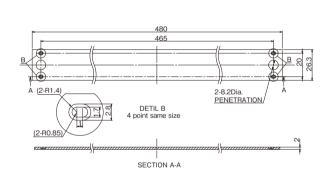
●FLV-BR8532DF□



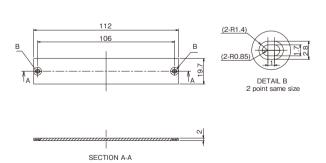
●FLV-BR15020DF□



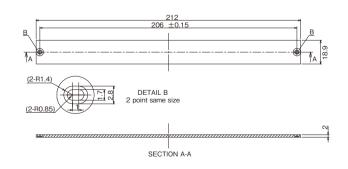
●FLV-BR48031DF□



●FLV-BR11222DF□



●FLV-BR21222DF□



Suitability for Use

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

See also Product catalog for Warranty and Limitation of Liability.

