LUMIFA™
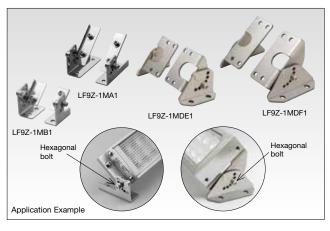# LF Series Adjustable Angle Mounting Bracket

Mounting angle can be adjusted from 0° to 90°.
LED illumination units can be installed flexibly.

- Mounting angle can be adjusted from 0° to 90° in 10° increments, providing more options for mounting of the LED illumination units.
- Illumination angle can be adjusted to suit the operator in various applications, such as visual inspection.
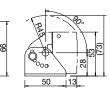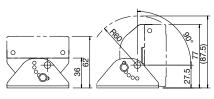

LF9Z-1MA1

LF9Z-1MDE1

LF9Z-1MDF1

LF9Z-1MB1

Hexagonal bolt

Hexagonal bolt

Application Example

Adjustable Angle Mounting Bracket

	Part No.	Applicable LED Illumination Unit	Material	Package Quantity
Adjustable Angle Mounting Bracket for LF1D/LF1B	LF9Z-1MDE1	LF1D-E/LF1D-EH	Stainless Steel	1 pair (right and left) (mounting screws supplied)
	LF9Z-1MDF1	LF1D-F/LF1D-FH		
	LF9Z-1MB1	LF1B-NA, -NB, -NC (not -ND, -NE, -NF)		
	LF9Z-1MA1	LF1A-A, -B, -D		

Dimensions

LF9Z-1MDE1

LF9Z-1MDF1

LF9Z-1MB1/1MA1

Dimensions for LF9Z-1MA1

(When fixed at 90°)
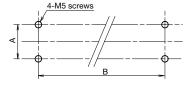
- Use the attached hexagonal bolts to fix the LF1D at the desired angle.
- See specifications of the LF1D for operating environment and mechanical strength.

Part No.	A	B	C	D
LF9Z-1MB1	27.5	35.2	27	50.5
LF9Z-1MA1	55	37.9	33	80

Mounting Hole Layout

4-M5 screws

Part No.	E	F	G
LF9Z-1MDE1	25 $^{\pm0.2}$	374 $^{\pm2.0}$	4-M5
LF9Z-1MDF1	40 $^{\pm0.2}$	292 $^{+4.0}_{-2.0}$	4-M5
LF9Z-1MB1	14	(Note)	4-M4
LF9Z-1MA1	25	(Note)	4-M4

Note: Same as the mounting hole centers of LED illumination units.

All dimensions in mm.

LF Series LED Illumination Units

⚠ Safety Precautions

- Do not disassemble, repair, or modify the LED illumination unit. Otherwise electric shock, fire, or malfunction may occur.
- Turn off power before wiring. Make sure of correct wiring, otherwise electric shock or damage may result.
- Do not stare directly into the LED illumination unit while it is lit, and do not project the light to other people, otherwise eyes may be injured.

- LED illumination unit is general-purpose industrial electric device. Do not use for electronic equipment which may damage the human body or threaten life in case a malfunction or failure occurs.
- Ensure that the cable does not touch the LED illumination unit.

Instructions

- LED modules may vary in illumination colors and illuminance.
- Before designing equipment and powering up illumination units, confirm the specifications described in the instruction sheet.
- Apply voltage within the rated value, otherwise the LED elements may be damaged.
- The illumination unit is vulnerable to static electricity. Take sufficient measure for protection against static electricity and voltage surges.
- Make sure that the illumination unit does not fall during transportation, installation, and operation, otherwise damage may result.
- Do not pull or push the cable of the illumination unit, otherwise damage may result. Allow sufficient slack to the cable while wiring.
- Do not apply excessive force. Do not leave a damaged illumination unit unattended or use a damaged illumination unit.
- Ensure the correct operating temperature. Otherwise internal temperature rise may result in damage.
- Do not use or store in a place subjected to vibration and shock.

- Do not use in the following places:
  * Exposed to direct sunlight, near heaters, high temperatures
  * Subject to chemicals, and corrosive gases (Plastic illumination surface: Iron powder and oil)
  * Basements, greenhouses, or other humid places
  * Cold storage warehouses (make sure that no freezing occurs)
- Do not loosen screws, otherwise the protection characteristics will be impaired.
- For the LF2D illumination units, make sure to provide sufficient strength for mounting panel. Required waterproof characteristics cannot be obtained if a distorted mounting panel is used.
- To clean the cover, use a soft cloth with water or neutral detergent. Do not use solvents such as thinners, benzene, or alkaline, otherwise discoloration, deterioration, or decrease in strength may occur.
- The edge of the cable sheath is not waterproof construction. Water may invade the LF1B in a capillary action when water splashes directly onto the cable sheath.