

## MOP-P1652DR/Z102/RB

Technical drawing of the MLA-080/DF01 LED module showing dimensions and specifications.

Dimensions (mm):

- L=170
- L=330
- <87>
- 35°
- MAX 158
- 9~25
- 4.5
- Ø115

Note: V:170, D:54, H:28 190g with terminal block for dimming signal wire electric wire specified: CPEV-1P Ø0.9~Ø1.2

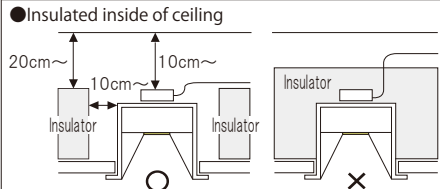
Marker

35°

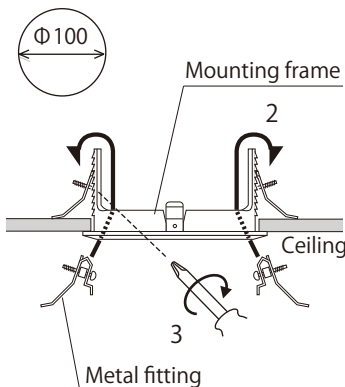

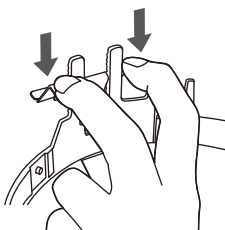

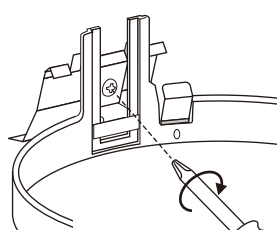



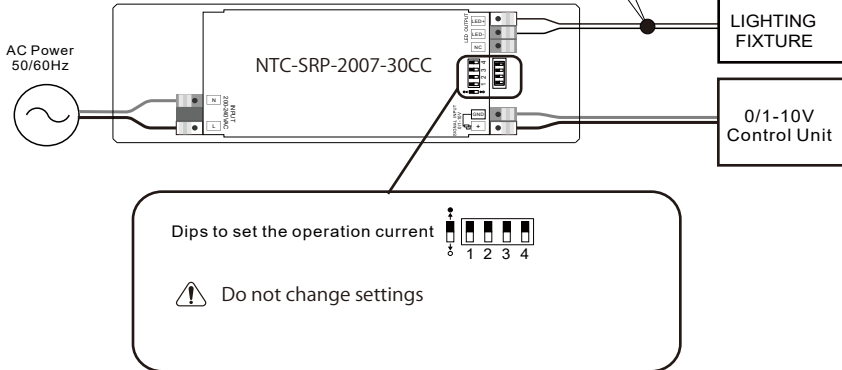

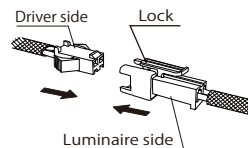



# ModuleX

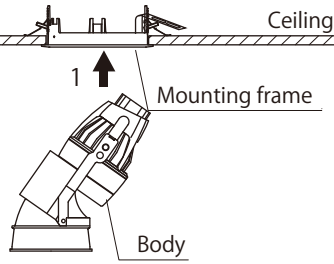

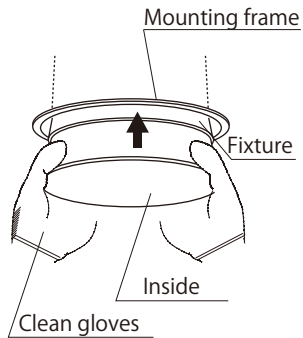
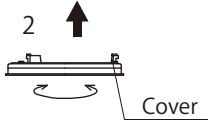


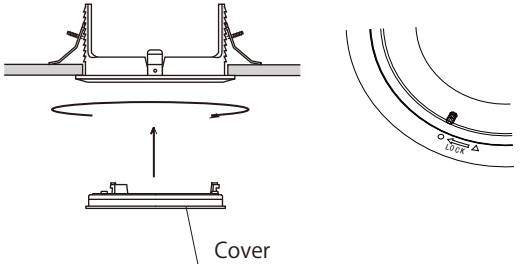




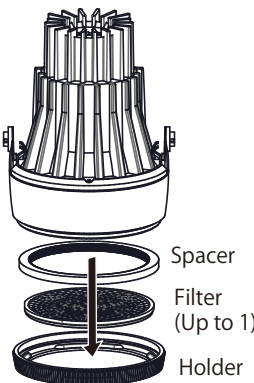
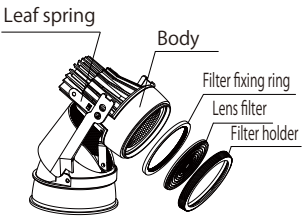
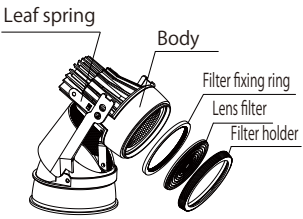

# Installation Guide | Lighting Fixture

## MOP-P1652DR/Z102/RB

To install the fixture safely 《 Read carefully and follow all the instructions in the guide 》			
⚠ Warning : Failure to install the fixture properly could result in persona l injury.		⊘ : Prohibited	
⚠ Caution : Failure to install the fixture properly could result in property damage.		❗ : Strict observance	
Before installation	⚠ Warning	⊘	<p>The fixture is for indoor use only in general conditions.This fixture can only be installed on a horizontal ceiling. Can not be used following conditions (Causes of falling, electrocution and fire)</p> <div><div>●On the wall</div><div>●Places where the inside of the ceiling is humid, wet, or where there is a risk of condensation</div><div>●On the floor</div><div>●Places affected by wind or air-conditioner mashine</div><div>●Inclined, uneven surface</div><div>●Ambient temperature under 0℃ and over 35℃</div><div>●Near fire</div><div>●Ceiling which can't hold the fixture weight</div><div>●Vibrated or shocked areas</div><div>●Dusty areas, corrosive gas outbreaks areas</div><div>●Areas get direct sunlight</div><div>●Commercial bathroom</div></div> <p>Please contact if you are not able to judge whether installation environment is suitable to the places or not.</p>
			
	⚠ Caution	❗	Even when using it indoors, do not use it in a place where there is a sulfur component around the equipment. (Sulfur components may also be contained in some foods, chemicals, papers, rubber products, and car exhaust gas.)
		❗	Please follow the fixtures' indication or specification for the distance of irradiated area. (Causes of change in shape, change in color of irradiated objects)
❗		Carefully check the size of the lighting fixtures and secure sufficient space in the ceiling.	
For electric wiring	⚠ Warning	❗	Only qualified person may work on electric wiring and equipment.(Cause of accidents)
		❗	Please use a compatible power supply and compatible driver. (Cause of non-lighting / fire)
		❗	Be sure power supply voltage is within ±6% mentioned in rating plate or the guide. (Causes of short life of lamps•electrification•fire)
		❗	Be sure all the wires and codes are not damaged. (Causes of falling•damage)
		⊘	Do not perform live-line construction. There is a risk of electric shock or product failure.
		⊘	Do not install other electronic devices (devices that use a motor such as a ventilation fan) in the same circuit as it may lead to equipment failure.
At lighting fixture installation	⚠ Warning	❗	Please follow the fixtures' instruction or this guide to installthe fixture and lamp. (Causes of falling•electrification•fire)
		❗	Models equipped with a safety wire (fall prevention wire) as standard equipment to prevent falling due to an earthquake, etc. Be sure to install it securely according to this manual.
		❗	Be sure to turn off the power when installing the fixture or lamp. (Cause of electric shock)
		⊘	Do not touch the fixture when switch is on or just turn off the switch because of high temperature.
		⊘	Do not put or cover the fixture by any cloths, papers, or insulators.(Causes of not lighting•fire)
		⊘	Do not put metal or burning objects in the gaps of the equipment. (Causes of electric shock, fire, and equipment failure)
		❗	Make sure that the outer shell of the main body other than the equipment mounting part does not come into contact with equipment such as construction materials and ducts inside and outside the ceiling. (Causes of falling, electric shock, and fire)
		⊘	Do not dismount or remodel fixtures. (Cause of electrification • fire • falling • broken fixtures)
		⊘	Do not operate with wet hands.
		⊘	Do not grab and lift wires or cables that are not the product itself. It may be damaged.
	❗	If you smell smoke, see smoke, or find anything unusual, please turn the switch off and ask construction companies to repair. (Cause of electrification•fire)	
	⚠ Caution	❗	Use protective equipment such as clean gloves when installing and removing equipment. (Cause of injury)
		❗	Install so that the heat of the equipment does not affect the fire protection equipment such as sprinklers. (Cause of malfunction)
❗		Please note that noise may enter the device if it is lit near a communication device such as a radio.	

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Installation Details		Installation Diagram	Caution		
<div>1</div> <div>2</div> <div>3</div>	Install the mounting equipment for ceiling cut out	<div>1 Ceiling cut out</div> <div></div>	<div> a</div> <div></div> <div>Push tight</div>	<div> b</div> <div></div> <div>Standard to screw torque 1.0~2.0N · m</div>	
	<div> a</div> <div>On step 2, please fix the metal fitting firmly with your fingers. If not, it may cause falling of fixtures.</div>				
	<div> b</div> <div>Make sure to tighten the metal fittings securely with a screwdriver. (torque 1.0 ~2.0 N · m) If it is loose, it may cause falling of the fixture</div>				
	<div></div> <div>Make sure to have the height at least 160mm above the ceiling to install the driver.</div>				
<div>1</div> <div>2</div> <div>3</div>	Connect the bundled dedicated Driver to the connector of Luminaire	<div>Wiring diagram</div> <div></div>	<div> c</div> <div></div>		
	Please connect according to the description of the power supply.				
	Install a dedicated driver on the ceiling				
	<div></div> <div>Be sure to turn off the power before working</div>				
<div> c</div> <div>Connect the connector securely. If you remove it pull while holding the lock. Do not connect or disconnect the connector while the power is on. (Cause of trouble)</div>					
<div></div> <div>Do not touch the metal terminals on the inside of the connector directly with your hands.</div>					

Installation Details		Installation Diagram	Caution	
1	Installation to ceiling			
	Install the fixture to the mounting frame.			
2	Install the cover to the mounting frame.			
	Do not touch inner side of the body with bare hands. Use clean soft cloth to clean up and maintain inner side of the body.			
	Turn the cover up to [LOCK] position and fix it securely. It may damage its moisture-proof function.			
	Make sure the fixture will not touch any objects in ceiling.			
1	Optional parts installation			
	Push the leaf spring inward and release the lock. Rotate the body.			
	Turn the filter holder counter-clockwise to remove it			
	Attach the filter fixing ring to the body			
	Put the lens filter in the filter holder and attach it to the body			
4	Return to position based on body			
	Be careful not to drop the filter when attaching / detaching the holder			
		<p>※Filter can not be attached to the model of plated finned cone (Faulty light distribution)</p>		
		<p>■The filter has a distinction between front and back. See the filter's instructions.</p>		