

MMP-060A/FLF/10A/DL/3

	Weight	Lamp	LED module
	0.16kg	input voltage	32.6V
		input current	0.38A MAX
		Driver	Sold separately
		Please use constant current driver.	
<p>⚠ Caution Be sure to use the isolated power supply that matches the rating of the LED module.</p>			

ModuleX

Installation Guide | Lighting Fixture

MMP-060A/FLF/10A/DL/3

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 personal 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> <ul style="list-style-type: none"> ● On the wall ● On the floor ● Outside ● Near fire ● High humidity ● Areas get direct sunlight ● Places affected by wind or air-conditioner machine ● Inclined, uneven surface ● Ambient temperature under 0°C and over 35°C ● Ceiling which can't hold the fixture weight ● Dusty areas, corrosive gas outbreaks areas ● Vibrated or shocked areas <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.)
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 install the 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	❗
		❗	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
<p>Wiring connection</p> <p>Please connect according to the description of a power supply.</p> <p>When connecting the driver, careful attention should be paid to connecting + and -.</p> <p>Metal part in a cable point, please don't touch with bare hand directly.</p>	<p>Wiring diagram</p> <p>CAUTION ! Do not reverse polarity !</p> <p>DC380mA MAX 32.6V +RED -BLACK LED</p> <p>Driver</p>
<p>Install the power supply</p> <p>1 Install a power supply. (sold separately)</p>	<p>1</p> <p>ceiling</p> <p>power supply (sold separately)</p>
<p>Install the mounting equipment for ceiling cut out</p> <p>1 Bend the installation spring to the fixture side.</p> <p>2 Hold the springs and insert the fixtures straight to ceiling cut out.</p> <p>Before removing the power supply unit, be sure to remove the mounting frame first.</p>	<p>2</p>

Installation Details	Installation Diagram • Caution
<p>Optional parts installation</p> <ol style="list-style-type: none"> Turn around the body. Pull out the body from the hood. Turn around the option holder, and put out. Put a filter in hood. Turn around the option holder, and put in. 	<p>Body Hood OPTION HOLDER FILTER Inner HOOD</p> <p>UP to 2FILTERS</p> <p>UP to 2FILTERS</p> <p>OPTION HOLDER</p> <p>Sharpner lens</p> <p>cut</p> <p>hexagonal wrench</p>
<p>Caution a</p> <p>Please attention that the sharpner lens is counted two pieces of filter lenses.</p> <p>Don't put in the filters than the rule number of pieces. Causes of falling and damage.</p> <p>To rotate the holder, please wear a flat head screwdriver at the cut.</p> <p>Align the markings of the hood and the body, please turn it clockwise until it clicks.</p>	<p>Caution a</p> <p>Caution b</p>
<p>Tilting angle setting</p> <ol style="list-style-type: none"> Please regulate a point of view to a scale. Please tighten a screw by the hexagonal wrench, and lock. <p>Please use an attached hexagon wrench by all means.</p>	<p>1</p> <p>hexagonal wrench</p>
<p>Installation to ceiling</p> <ol style="list-style-type: none"> Install the safety wire to the mounting frame. Install the fixture to the mounting frame. (see (g)) <p>Make sure to install the safety wire to the mounting frame securely.</p> <p>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.</p> <p>Make sure the fixture will not touch any objects in ceiling.</p>	<p>Safety wire</p> <p>1</p> <p>2</p> <p>Ceiling Mounting frame</p> <p>Body</p> <p>As you support edge of a main part, please push it.</p> <p>Caution c</p> <p>fixture concave mark mounting frame</p> <p>convex mark</p> <p>LOCK</p> <p>clean gloves</p> <p>inside</p> <p>※An inside glass filter is not touched by hand.</p>