

MMP-100S/1H/MS/30B/DL/3

[ mm ]		Weight	Lamp	LED
		0.64kg	input voltage	37.9V
			Input current	0.9A MAX.
Rotate degrees		Driver	Sold separately	
		Please use constant current driver.		
		<div><div><div>⚠ Caution</div><div>Be sure to use the isolated power supply that matches the rating of the LED module.</div></div></div>		
		<div><div>OPTION</div><div><div>Full diffuser lens</div><div>MLA-100/DF01</div></div><div><div>Semi diffuser lens</div><div>MLA-100/DF02</div></div><div><div>Full spread lens</div><div>MLA-100/SF01</div></div><div><div>Semi spread lens</div><div>MLA-100/SS01</div></div><div><div>Edge control filter</div><div>MLA-100/EC02</div></div><div><div>Sharpener lens filter</div><div>MLA-100/SH01</div></div><div>(available only for narrow distribution)</div></div>		

ModuleX

Installation Guide

Lighting Fixture

MMP-100S/1H/MS/30B/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 persona l injury.		🚫 : Prohibited	
⚠ Caution : Failure to install the fixture properly could result in property damage.		❗ : Strict observance	
Before installation	⚠ Warning	🚫	<div>The fixture is for indoor use only in general conditions. Can not be used following conditions (Causes of falling, electrocution and fire)</div> <div><div>●Areas get direct sunlight</div><div>●On the floor</div><div>●Outside</div><div>●Near fire</div><div>●High humidity</div><div>●Inclined, uneven surface</div></div> <div><div>●Plases affected by wind or air-conditioner mashine</div><div>●Vibrated or shocked areas</div><div>●Ambient temperature under 0℃ and over 35℃</div><div>●Ceiling which can't hold the fixture weight</div><div>●Dusty areas, corrosive gas outbreaks areas</div></div> <div>●Insulated inside of ceiling</div> <div></div> <div>Please contact if you are not able to judge whether installation environment is suitable to the places or not.</div>
			Keep equipment away from electronic medical devices such as pacemakers
			When it is lit, it becomes hot immediately after it is turned off. Install it in a place that cannot be easily touched.
	⚠ 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)
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)
		❗	For models that come standard with a safety clip to prevent dropping due to an earthquake, etc., be sure to follow the instructions in this manual and install the product securely.
		❗	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)
		🚫	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.

## MMP-100S/1H/MS/30B/DL/3

Installation Details		Installation Diagram • Caution	
<p><b>Installation</b></p> <ol style="list-style-type: none"> <li>1 Prepare a mounting surface with no irregularities and a magnet attached</li> <li>2 Attach the magnet case slowly close to the mounting surface</li> <li>3 Secure the included safety clip securely with screws within 300 mm from the fixture</li> </ol>			
<p>After installing the fixture, make sure that it is securely attached</p> <p>If the magnet case is brought closer to the mounting surface, the magnet may crack or damage the mounting surface</p>			
<p><b>Wiring connection</b></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><b>Wiring diagram</b></p> <p><b>CAUTION !</b> Do not reverse polarity !</p>	
<p><b>Adjustment of irradiation direction</b></p> <ol style="list-style-type: none"> <li>1 Grasp the fixture and adjust the irradiation direction</li> </ol> <p>Do not forcibly move beyond the movable range</p> <p>Please adjust the fixture after turning off the power and cooling the fixture</p>		<p><b>Range of movement</b></p> <p><b>Direction of irradiation</b></p> <p>Do not expose instruments upwards It is dangerous because dust etc. will be heated and accumulated</p>	

Installation Details		Installation Diagram • Caution	
<p>Optional parts installation</p> <ol style="list-style-type: none"> <li>1 Turn around the hood.</li> <li>2 Pull out the hood from the body.</li> <li>3 Turn around the option holder, and put out .</li> <li>4 Put a filter in hood.</li> <li>5 Turn around the option holder, and put in.</li> </ol>		<p><b>Caution a</b></p> <p>UP to 2 FILTERS</p> <p>OPTION HOLDER</p> <p>Sharpner lens</p> <p><b>Caution b</b></p>	
<p><b>Caution a</b></p> <p>Please attention that the sharpener lens is counted two pieces of filter lenses.</p>			
<p><b>Caution</b></p> <p>Don't put in the filters than the rule number of pieces.</p> <p>Causes of falling and damage.</p>			
<p><b>Caution</b></p> <p>To rotate the holder, please wear a flat head screwdriver at the cut.</p>			
<p><b>Caution b</b></p> <p>Align the markings of the hood and the body, please turn it clockwise until it clicks.</p>			
<p>Tilting angle setting</p> <ol style="list-style-type: none"> <li>1 Please loose a screw by the hexagonal wrench, and unrock.</li> </ol> <p>Please regulate a point of view to a scale.</p>			
<p><b>Caution</b></p> <p>Please use an attached hexagon wrench by all means.</p>			