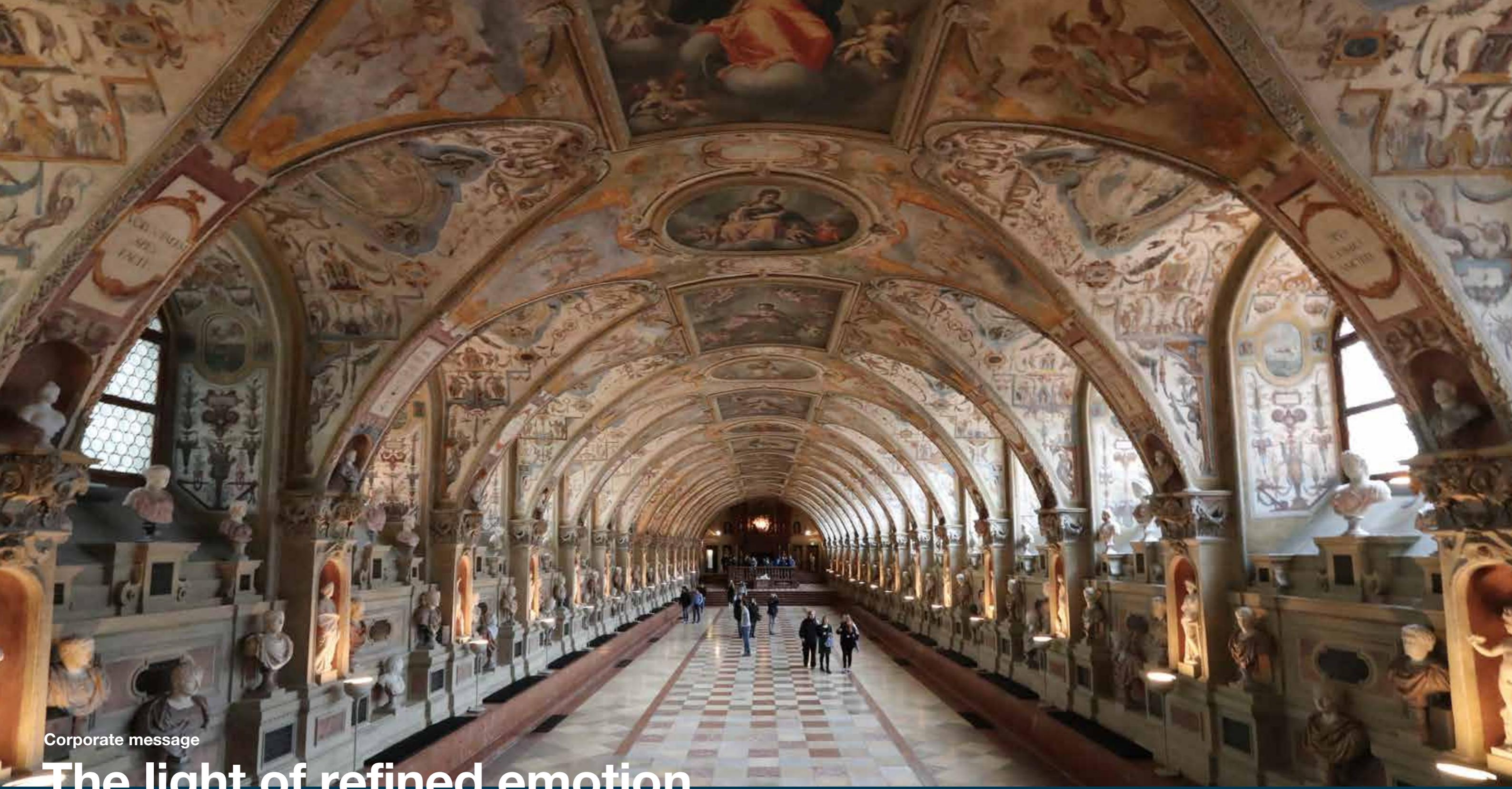




# North American Product Guide Book Vol.2

December 2018

## **North American Product guide book vol.2**



Corporate message

# The light of refined emotion

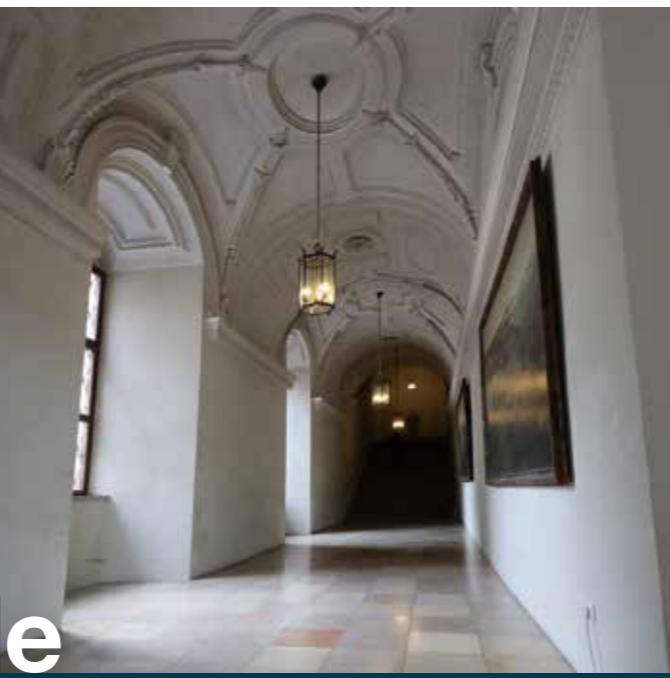
Light is not just a medium that provides brightness.  
What we aim to produce with our lighting are feelings  
and irreplaceable experience.

Our proud lighting comes with “functions”  
that can increase the value of space and environment and “effects”  
that bring about comfort and sophistication.  
Ordinary light cannot raise the value of space nor cause warm feelings among people.

## What is “LIGHTING?”

It is an “Integrated Lighting Solutions” generated by combining  
“hardware technology (equipment technology)” and  
“software technique (lighting design)” that serve the needs of each individual client.  
We “ModuleX”, continue our endeavor to advance  
as lighting professionals and be a pioneer of innovative lighting solutions to provide  
“Integrated Lighting Solutions” as our brand “ModuleX”.

From all staff and directors  
ModuleX Inc.



# “LIGHTING” the key to unite people and their environment

Ordinary light is just an electrical device. But ,“LIGHTING” is different.

We consider “LIGHTING” as one of the most essential elements that combines people’s activities in particular buildings or space in a given area and environment.

The light has a big impact on the shaping of buildings, rooms and space. It also affects the sense of time and seasons as well as psychological comfort such as calmness and liveliness.

The light is directly linked to people’s mental state, the laws of nature and a long history of civilization and cultural development. We believe that the lighting equipment and design should take all these factors into consideration.

However, the recent lighting equipment seems to solely emphasize its data and statistics such as brightness, color rendering index and myopic ideas of energy-saving effect. An overflow of such information has neglected the key question of “how the light should exist in a particular place, time and environment.”

Easy-to-use materials for professionals must consistently come with simple yet versatile lighting functions and variations, technology to flexibly adjust own products and made-to-order options to accommodate clients’ needs, optical technology and lighting design that optimize the performance of such hardware, and fine-tuning support at each client’s site. We take pride in our products and services, and are determined to provide the best for your needs.

We look forward to serving you with ModuleX’s Integrated Lighting Solutions.

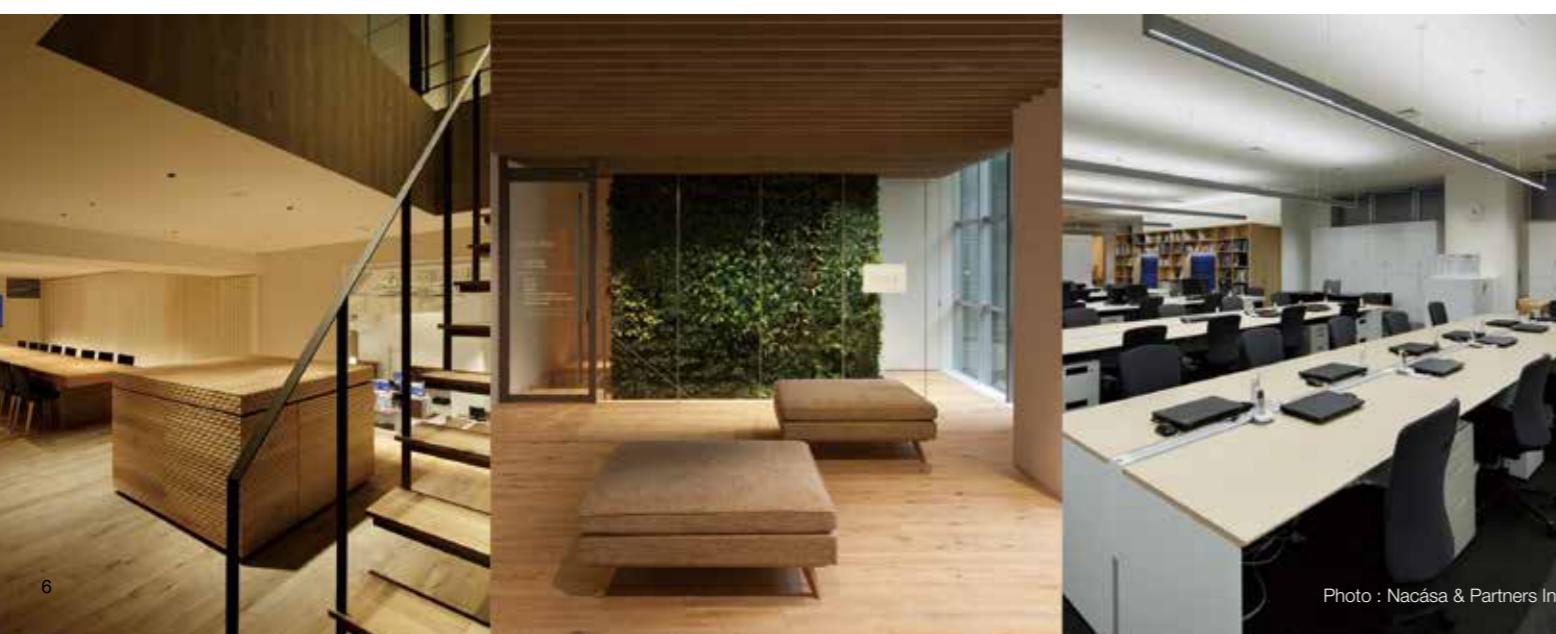


Photo : Nacasa & Partners Inc.

# ModuleX®

## Integrated Lighting Solutions

**ModuleX does not simply sell lighting fixtures.**

With a wide variety of lighting effects and controlled light which only our original optical technology is able to produce, ModuleX is able to propose solutions which make up comfortable and always revitalizing space in accordance with each individual customer's project situations. This is what we call ModuleX Integrated Lighting Solutions.

ModuleX comes up with lighting plans/effects by conducting lighting environmental analysis and lighting simulations for each project.

**ModuleX®**

Hardware  
technology

**ModuleX®**

Software  
technique



# ModuleX®

Hardware  
technologies

**Elements**  
Lighting  
functionality  
system

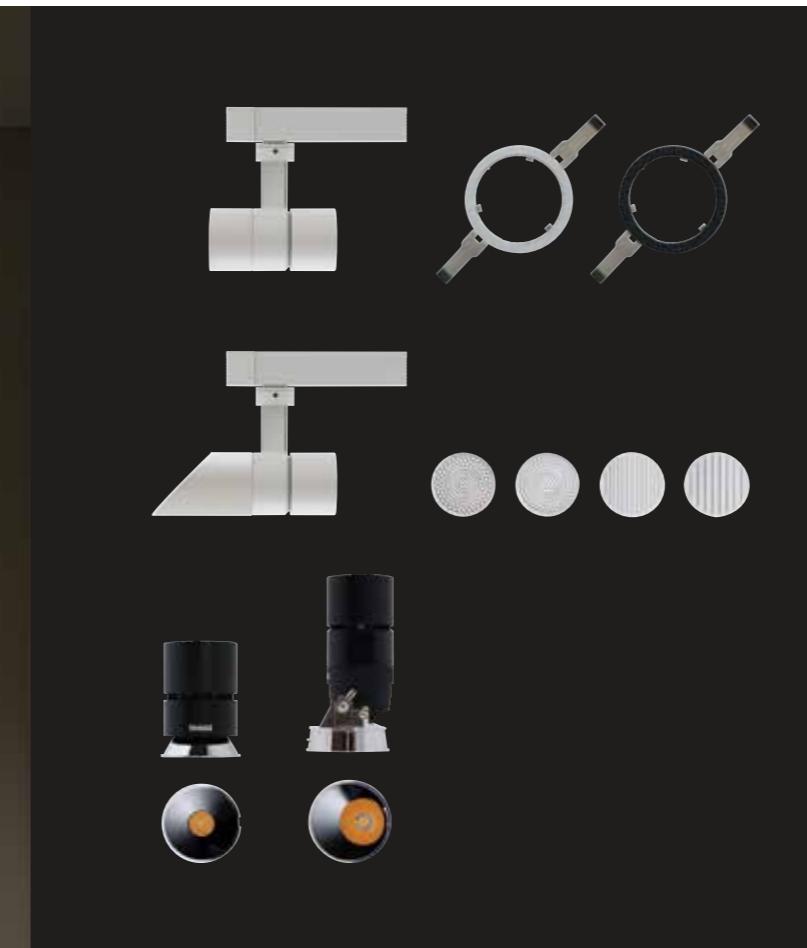
**Modularity**  
Adaptability to  
fit any space

**Optics**  
Unique optical  
design

## Light brushes for professionals

Bright, small and inconspicuous. These are what ModuleX considers to be the basic requirements for functional lighting fixtures. We believe, from a space and environmental designer's perspective, that the ideal state for lighting equipment required to illuminate objects in the target space is to have a minimal presence to be as inconspicuous as possible. At ModuleX, we continue to pursue this ideal state in our own unique way, with the latest revolutionary techniques and technologies.

At ModuleX, we do not work simply in pursuit of performance data for our catalogs. Our way of thinking with regard to lighting fixture design is to reflect and incorporate the points that are most important to professionals—such as the quality of light gradation, the range of adaptability and adjustability offered when using our products in the actual workplace, and the level of convenience when selecting which lighting fixtures to use—into our designs, and translate them into reality.



### ModuleX 60

DESIGN I MANUFACTURER  
ModuleX.Inc  
Tokyo, Japan



GOOD DESIGN  
AWARD 2017  
**BEST 100**

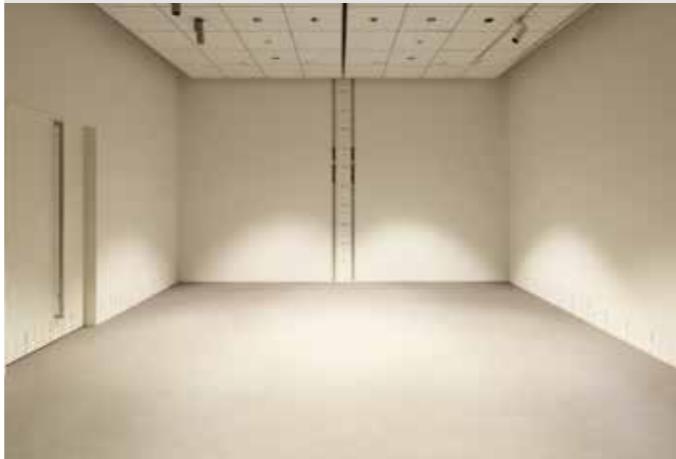
GOOD DESIGN AWARD 2017  
Design of Production Development  
GOOD DESIGN AWARD 2017  
My Favorite Design

## ModuleX classifies the functionality of stage lighting techniques.

These are the functions of lighting which derive from stage lighting technique to touch the right chord. With an application of stage lighting techniques, ModuleX lighting is precisely defined depending on its roles.

### Ambient

Ambient beautifully balances the lighting, giving a final touch to the lighting design. It adjusts an overall balance by making subtle correction to the uneven luminosity on horizontal surfaces.



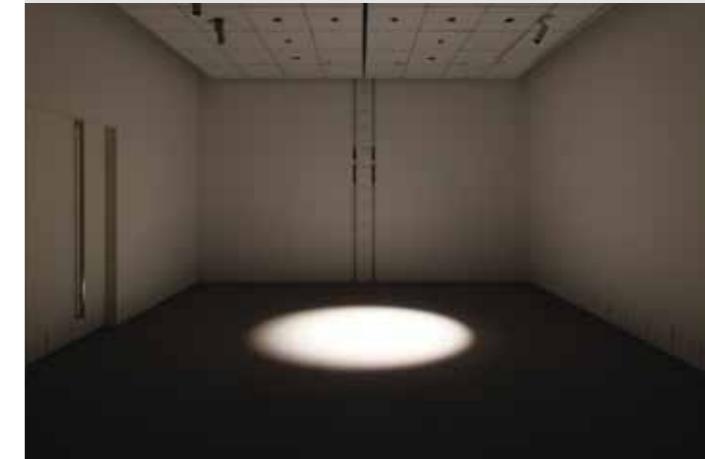
### WALL

WALL is the light emitted on vertical surfaces that enter people's sight the most. Smooth and beautiful gradation and high diffusibility are required in order to enhance the depth and expanse of the space.



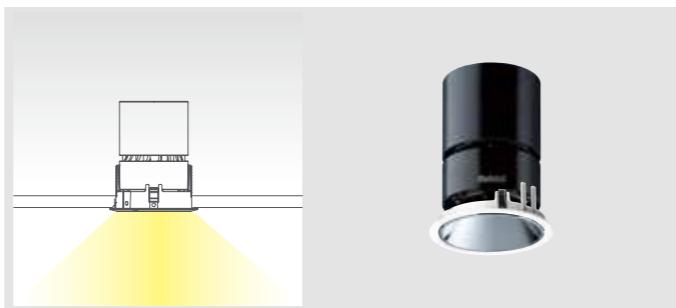
### Accent

Accent is the light that highlights certain objects. Clear contrast and accurate directional light distribution are required to draw attention to a specific point.



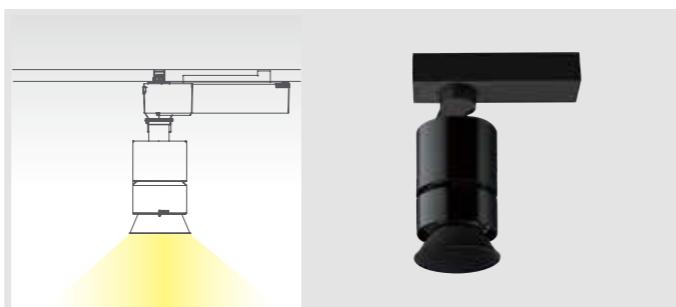
#### Lighting system elements | Downlight

ModuleX lighting fixtures have a modular structure that enables separation of the lighting fixtures themselves from their mounting devices. This enables lighting effects to be changed after installation, even in the case of ceiling-embedded lighting fixtures.



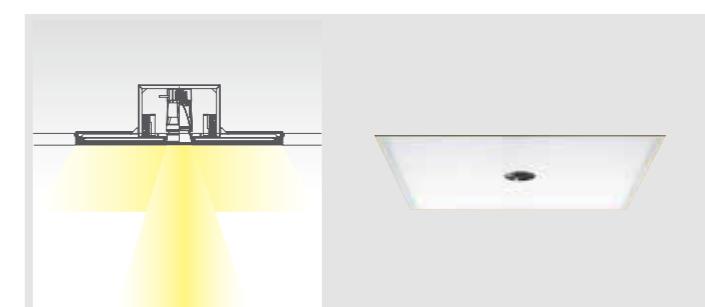
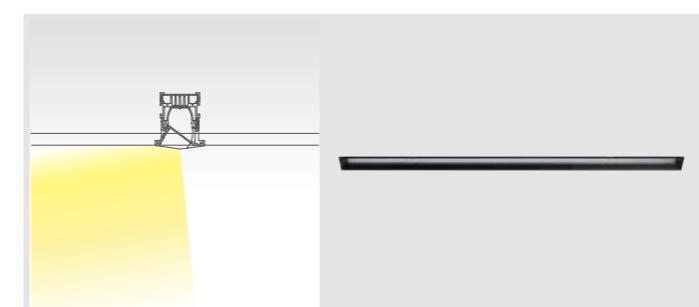
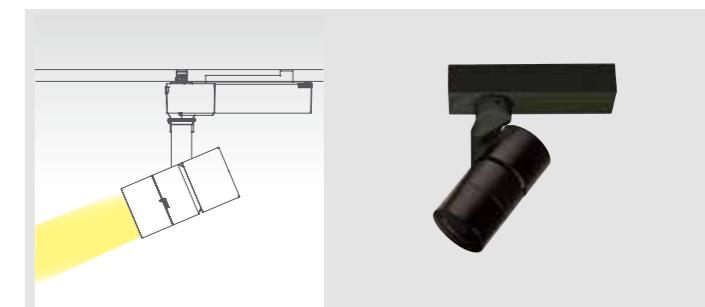
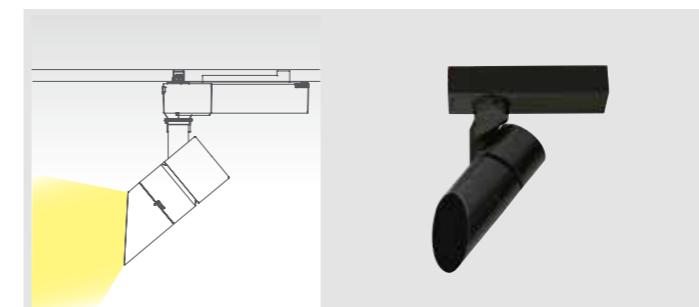
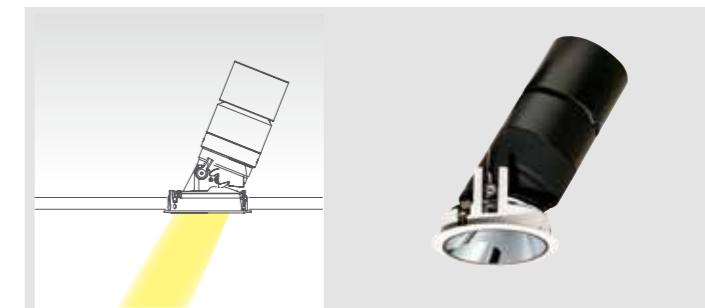
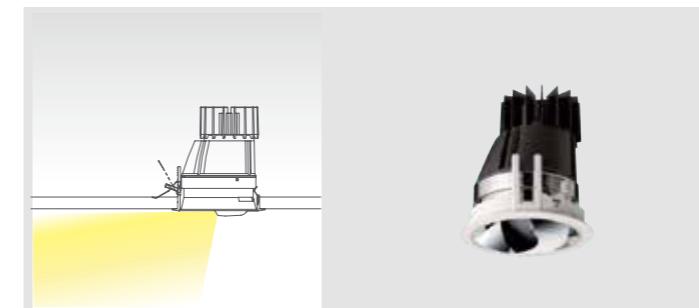
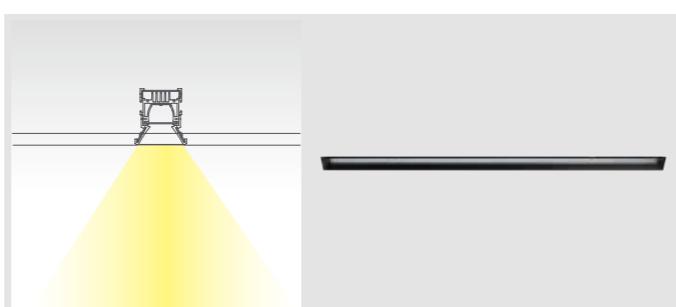
#### Lighting system elements | Track light

The expression of basic lighting effects is constant, even when installed in a lighting duct. The lighting effects remain constant regardless of the installation method used.



#### Lighting system elements | GRID

The same principle applies with our GRID platform. Conformity and efficiency can be improved by re-considering the balance of lighting effects even in a space where having the bright light is good enough.

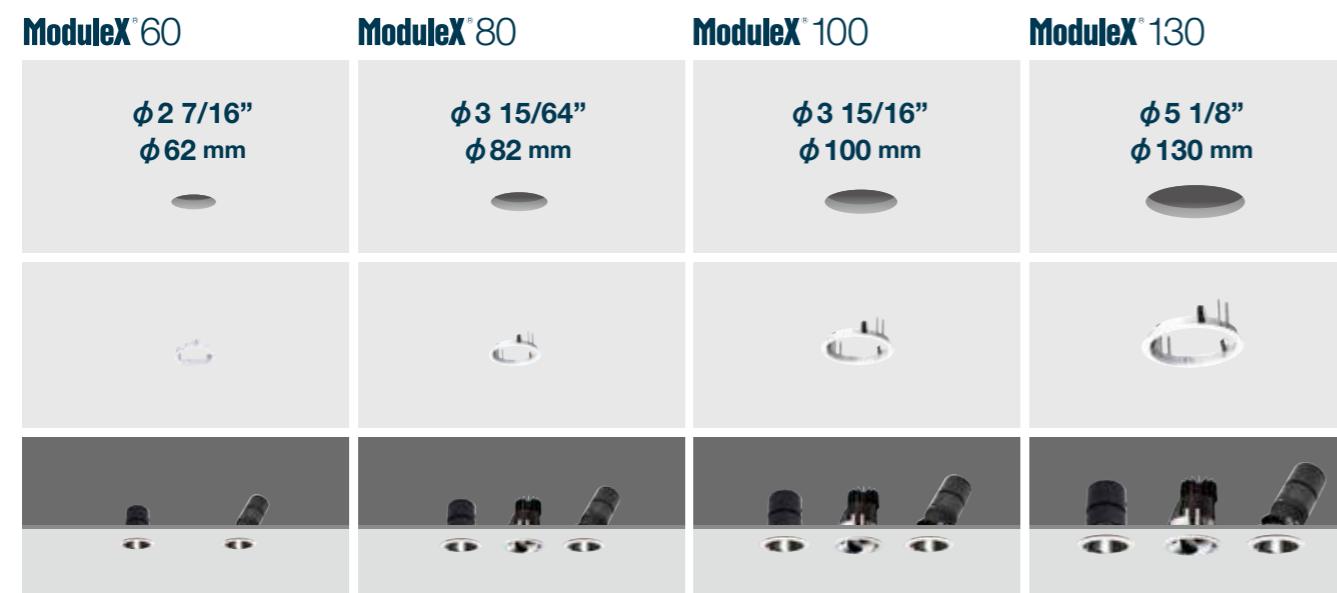


## ModuleX systematizes our products by its functions to handle any requests from clients.

We are capable of presenting the proposal which actualizes the desired lighting effects/efficiency and economical efficiency regardless of different environment. In other words, our platform is able to add the value to our client projects.

## Different functions/effects of light can be chosen in one size.

One of our major characteristics is that all types of fixtures are available in every size. This means that regardless of the space size, ModuleX can offer the same functions/effects of light.



## ModuleX continues to pursue the minimization of the fixtures.

To elevate the value of space, minimizing the presence of the fixture itself is crucial for functional lighting fixtures. For brighter and greater light quality, we continue to develop our original optical technology and heat control technology to make our fixtures smaller, brighter and glare-controlled.

## ModuleX Product Classification and Design Philosophy

### 1 ModuleX flagship platform to be particular about essential light quality

The flagship platform for interior and architecture



**MUSEUM**

### 2 Adapting the optical design to minimize the quantity of necessary fixtures while keeping the same lighting effects

Utility platform for interior and architecture



**SLEEK**

### 3 Establishing Both Lighting Effects and High Energy Efficiency

Tetragonal platform for interior and architecture



**GRID**

### 4 Always Same Lighting Effects for Indoor and Outdoor Fixtures

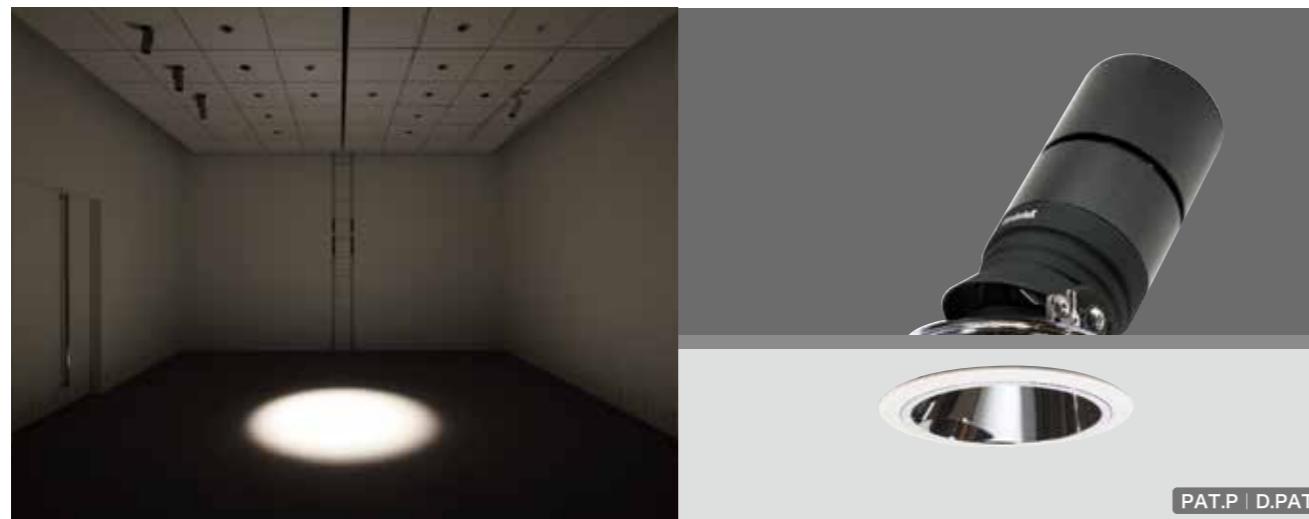
Outdoor platform for outdoor and landscape



**MODS**

Aiming to produce outdoor lighting devices that blend in with nature and the surrounding environment, and allow people to unconsciously find comfort in natural harmony.





PAT.P | D.PAT

## Accent

Rather than simply cutting down glare, ModuleX optical design incorporates optical control down to the actual cone and enables various changes in light quality while minimizing the presence of the lighting fixture itself.



### ModuleX optical reflector

LED is positioned in the deepest part of this special component. The reflector is optically curved by using our unique design and the development based on a definite integral method.

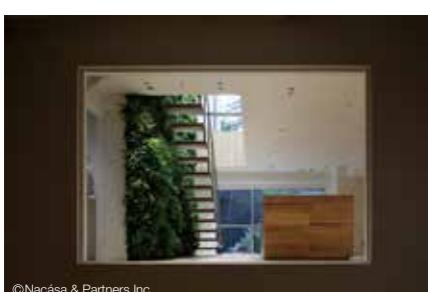
### ModuleX Filter lighting®

You can change the type of lighting even after the installation is complete. Unlike some diffusion filters that immensely decrease the efficiency of devices or fresnel lenses that steep out or refract light and change the color of light, our lenses are designed with complex mechanisms and precision. In order to minimize the loss of device's efficiency after setting a filter, we adopted new materials and technology and have developed ultrathin precision lens filters.



### Angle index and pan lock · tilt lock mechanism

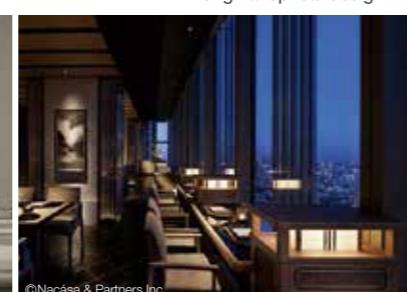
You can precisely check the lighting effects and fix the device firmly.  
Tilt angle: 35 degrees



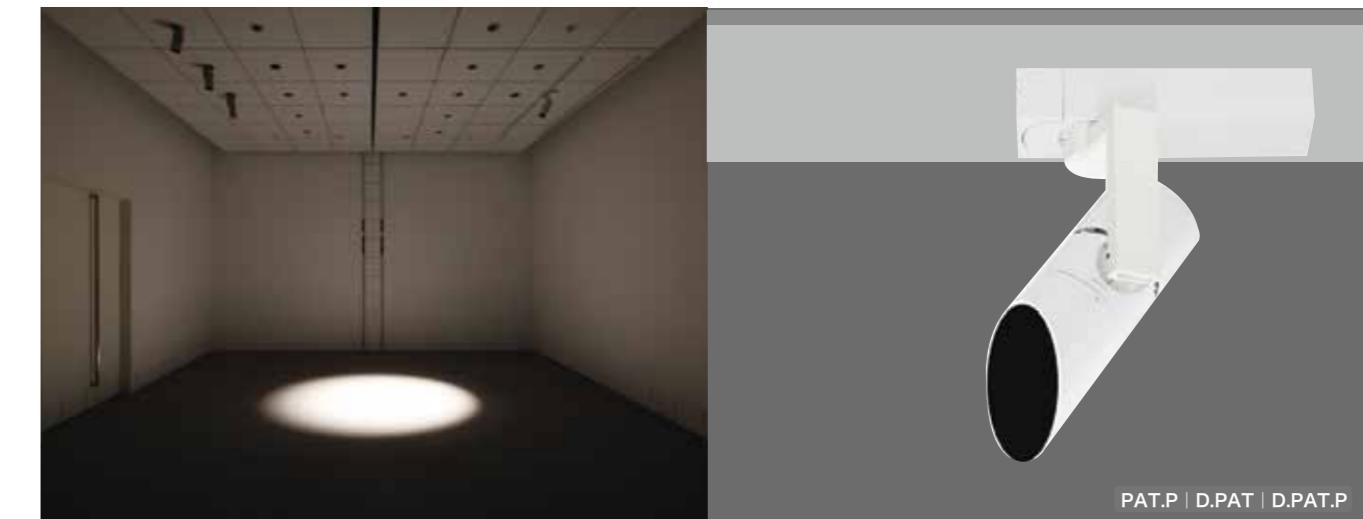
©Nacasa & Partners Inc.



©Nacasa & Partners Inc.



©Nacasa & Partners Inc.



PAT.P | D.PAT | D.PAT.P

## Accent

The basic principle behind our spotlights is to control the lighting effects via the hood. Using our own uniquely designed optical reflectors enables us to achieve free and unfettered manipulation of lighting effects without producing unwanted glare.

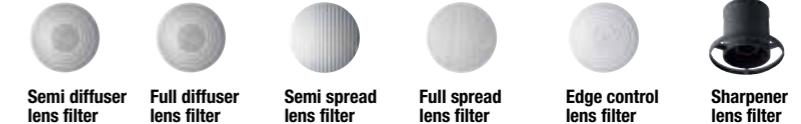


### ModuleX optical reflector

LED is positioned in the deepest part of this special component. The reflector is optically curved by using our unique design and the development based on a definite integral method.

### ModuleX Filter lighting®

You can change the type of lighting even after the installation is complete. Unlike some diffusion filters that immensely decrease the efficiency of devices or fresnel lenses that steep out or refract light and change the color of light, our lenses are designed with complex mechanisms and precision. In order to minimize the loss of device's efficiency after setting a filter, we adopted new materials and technology and have developed ultrathin precision lens filters.



### ModuleX optical hood

Our high-performance optical reflector keeps the reduction of illumination at the center to a minimal level even after a hood is installed. An optical baffle with pre-calculated shape and angle is situated inside the hood to reduce the glare. Up to two filters can be fitted in this component.  
(The actual product is fixed with fall prevention wires.)

### Body color



W: White

Adapting the major white color (specified in JPMA)



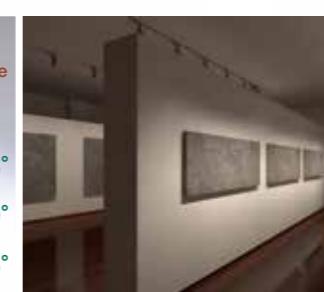
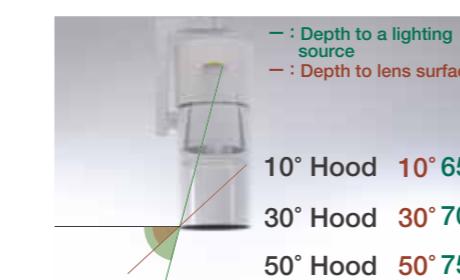
S: Silver

The silver color which can be merged into the surroundings



M: Matte Black

The most non reflecting color to diminish the existence of fixtures



Image



Aesop



ModuleX continues to pursue its own unique optical technologies, with the aim of creating “optical brushes” for lighting professionals.

The flagship platform  
for interior and architecture

MUSEUM

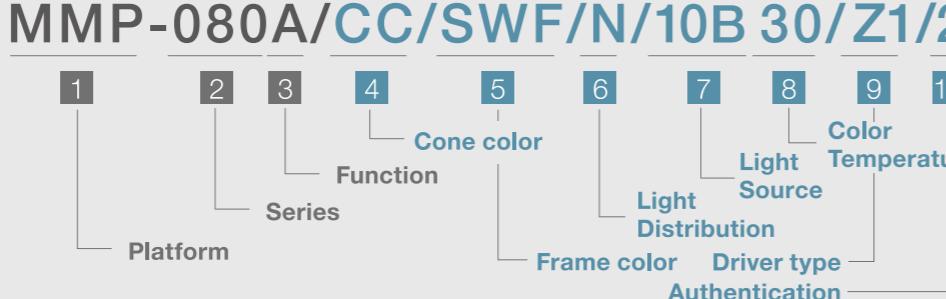
## ModuleX Filter lighting®

	Sharpener lens filter Controls the scope of illumination to create a contoured, condensed spotlight image. <small>PAT.P   D.PAT in Japan</small>	Semi-diffuser lens filter Creates a soft, gentle gradation while retaining the core spotlight effect. <small>PAT.P   D.PAT in Japan</small>	Full-diffuser lens filter Creates a soft, wrap-around lighting effect similar to the effect produced by a reflector lamp. <small>PAT.P   D.PAT in Japan</small>	Semi-spread lens filter Produces an easy-to-use short rectangle shape. (horizontal to vertical ratio: approx. 1: 2.8) <small>PAT.P in Japan</small>	Full-spread lens filter Produces a sharp, long rectangle shape. (horizontal to vertical ratio: approx. 1: 3.9) <small>PAT.P in Japan</small>	Edge control lens filter Adjusts the manner in which the light illuminates the wall surface, with a beautiful gradation effect. <small>PAT.P   D.PAT in Japan</small>
Narrow reflector	10° hood					
	30° hood					
	50° hood					
Medium reflector	10° hood					
	30° hood					
	50° hood					

**Downlight**

## Basic Model Number

**MMP-080A/CC/SWF/N/10B 30/Z1/2**

Specification Description  
(Please specify for all cases)

## 1 Platform

MMP	<b>MUSEUM</b>
ModuleX MUSEUM Platform	

## 2 Series

060	<b>ModuleX® 60</b>	size of hole for installation ∅ 62mm ∅ 2 7/16"
080	<b>ModuleX® 80</b>	size of hole for installation ∅ 82mm ∅ 3 15/64"
100	<b>ModuleX® 100</b>	size of hole for installation ∅ 100mm ∅ 3 15/16"
130	<b>ModuleX® 130</b>	size of hole for installation ∅ 130mm ∅ 5 1/8"
150	<b>ModuleX® 150</b>	size of hole for installation ∅ 150mm ∅ 5 29/32"

## 3 Function

F	Ambient
W	Wall
A	Accent

## 4 Cone color

WC		White cone
MC		Matte black cone
CC		Chrome cone

## 8 Color Temperature

24		2400K
27		2700K
30		3000K
35		3500K
40		4000K

## 5 Frame color

SWF		Single frame white
SMF		Single frame matte black

## 9 Driver type

T_	Phase control type
Z_	0-10V

## 6 Light Distribution

N	Narrow
M	Medium
W / F	Wide
0 (zero)	Wall

## 10 Authentication

1	PSE
2	CUL

**U-B9451D/1/R27B/NC/W**



## 1 Size

B9	ModuleX 100
----	-------------

## 2 Function

4	Wall
---	------

## 3 Light source

5X	LED(COB)
----	----------

## 4 Driver type

1	0-10V
2	EcoSystem type

## 5 Color Temperature

R27B		2700K
R30B		3000K
R35B		3500K
R40B		4000K

## 6 Cone color

WC		White cone
MC		Matte black cone
NC		Chrome cone

## 7 Frame color

SWF		Single frame white
SMF		Single frame matte black

**Track light**

## Basic Model Number

**MMP-080S/3H/S/1N/N/10B30/N1/2**



## 1 Platform

MMP	<b>MUSEUM</b>
ModuleX MUSEUM Platform	

## 2 Series

060	<b>ModuleX 60</b>
080	<b>ModuleX 80</b>
100	<b>ModuleX 100</b>
130	<b>ModuleX 130</b>
150	<b>ModuleX 150</b>

## 3 Function

S	Spotlight
---	-----------

## 4 Hood type

1H		Glare cut off angle 10° hood
3H		Glare cut off angle 30° hood
5H		Glare cut off angle 50° hood
SH		Slant hood

## 5 Color

W		White
M		Matte black
S		Silver

## 6 Plug type

1N	NORDIC® 1 circuit
----	-------------------

## 7 Light Distribution

N	Narrow
M	Medium
W / F	Wide

CRI (Ra) : 93 typ  
2700K/3000K/3500K/4000K  
2400K (ModuleX 60 only)



**GOOD DESIGN AWARD 2017** **BEST 100**  
**GOOD DESIGN AWARD 2017** **Design of Production Development** **GOOD DESIGN AWARD 2017** **My Favorite Design**



	ModuleX® 60 <b>φ2 7/16" φ62 mm</b>	ModuleX® 80 <b>φ3 15/64" φ82 mm</b>	ModuleX® 100 <b>φ3 15/16" φ100 mm</b>	ModuleX® 130 <b>φ5 1/8" φ130 mm</b>
	<b>MMP-060F</b>  Dimming : Phase control Cone color   34° 48° 60°      30°	<b>MMP-080F (Square trim) MMP-080F (Round trim)</b>  Dimming : 0-10V Cone color   34° 42° 62°      30°	<b>MMP-100F</b>  Dimming : 0-10V Cone color   32° 47° 61°      30°	
		<b>MMP-080W</b>  Dimming : 0-10V Cone color   11° 20°	<b>U-B9451D</b>  Dimming : 0-10V, Ecosystem Cone color   11° 20°	
<b>Accessories</b>	<b>Accent</b> Full-Diffuser lens filter Semi-Diffuser lens filter	<b>MMP-060A</b>  Dimming : Phase control Cone color   11° 20°	<b>MMP-080A</b>  Dimming : 0-10V Cone color   12° 22°	<b>MMP-100A</b>  Dimming : 0-10V Cone color   12° 20°
	<b>Accent</b> Full-Spread lens filter Semi-Spread lens filter	<b>MMP-060S</b>  Dimming : NORDIC type / non-dimming Body color   11° 18°/19°	<b>MMP-080S</b>  Dimming : NORDIC type / non-dimming Body color   11° 19°/20°	<b>MMP-100S</b>  Dimming : NORDIC type / non-dimming Body color   11° 19°/20°
				<b>MMP-130A</b>  Dimming : 0-10V Cone color   11° 19°
				<b>MMP-130S</b>  Dimming : NORDIC type / non-dimming Body color   11° 18°/19°

## ▲ AMBIENT | Ambient downlight

# MMP-060F



### Product code

[ ex : Chrome cone /White trim / Wide 48°/ 3000K ]

### MMP-060F/CC/SWF/W/10A 30/T1/ 2

[Basic Product Series](#) [Cone color](#) [Trim color](#) [Light distribution](#) [Light source](#) [Color temperature](#) [Driver type](#) [Authenticatation](#)

#### ◎ Dimming | Phase control | 10-100%

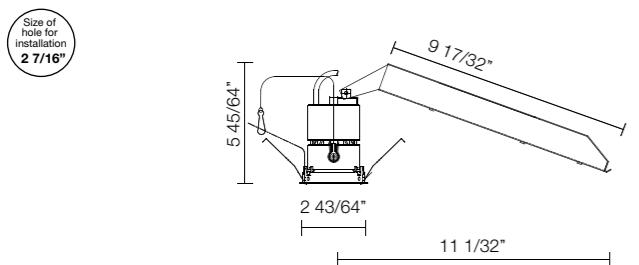
White	MMP-060F/WC/SWF/F.W.M/ 10A24.27.30.35.40/T1/2
Matte black	MMP-060F/MC/SWF.SMF/F.W.M/ 10A24.27.30.35.40/T1/2
Chrome	MMP-060F/CC/SWF.SMF/F.W.M/ 10A24.27.30.35.40/T1/2



### Products Specifications

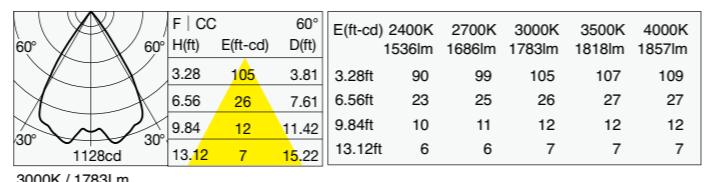
• Input Voltage	AC120 ~ 277V
• Power consumption	21.7W(AC120V) / 22.2W(AC277V)
• Luminance flux	1,536 ~ 1,857lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.21lbs
• Light distribution	Wide (60°) Wide(48°) Medium (34°)
• Input current	0.5A
• Aiming distance	0.2m (7 7/8in)
• Ceiling thickness	23/64 ~ 63/64in
• Glare cut off angle	30°

### Size

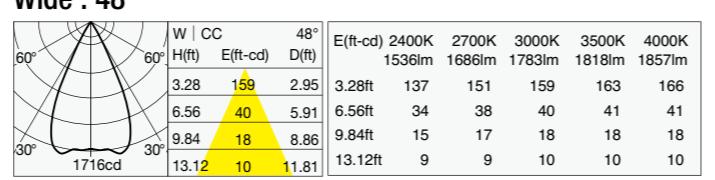


### Light distribution (Chrome cone)

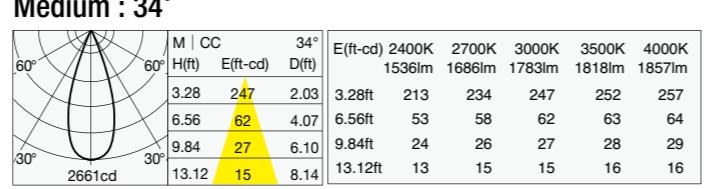
#### Wide : 60°



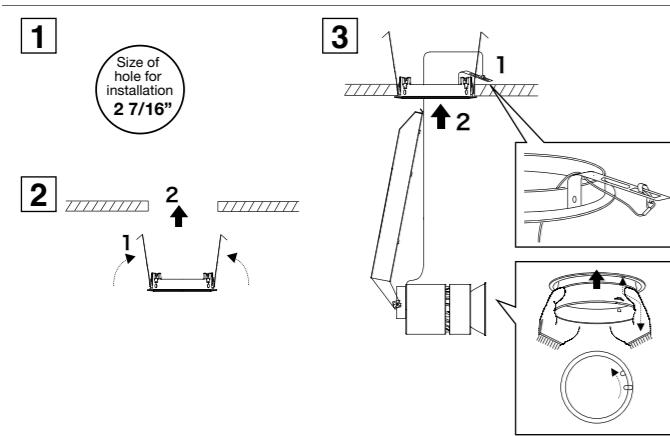
#### Wide : 48°



#### Medium : 34°



### Installation



## ▲ ACCENT | Accent downlight

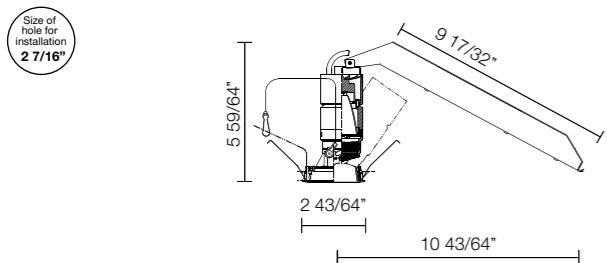
# MMP-060A



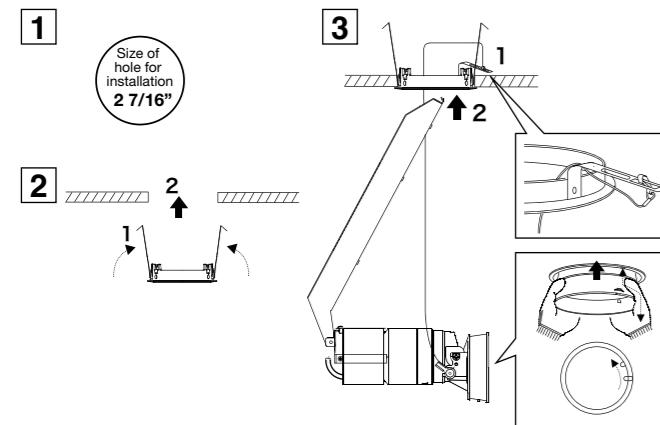
### Products Specifications

• Input Voltage	AC120 ~ 277V
• Power consumption	13.5W(AC120V) / 14.9W(AC277V)
• Luminance flux	941 ~ 1,088 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.19 lbs
• Light distribution	Narrow (11°) Medium (20°)
• Input current	0.35A
• Aiming distance	0.2m (7 7/8in)
• Ceiling thickness	23/64 ~ 63/64 in
• Tilting angle	35°
• Filter lighting®	2 Filters

### Size



### Installation



### Product code

[Ex : Chrome cone /White trim / Narrow 11° / 3000K ]

### MMP-060A/CC/SWF/N/10A 30/T1/ 2

Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authentications
◎ Dimming   Phase control   10-100%							
White	MMP-060A/WC/SWF/N.M/						
	10A24.27.30.35.40/T1/2						

Matte black	MMP-060A/MC/SWF.SMF/N.M/						
	10A24.27.30.35.40/T1/2						

Chrome	MMP-060A/CC/SWF.SMF/N.M/						
	10A24.27.30.35.40/T1/2						



### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-060/DF01



Semi-Diffuser lens filter  
MLA-060/DS01



Full-spread lens filter  
MLA-060/SF01



Semi-Spread lens filter  
MLA-060/SS01



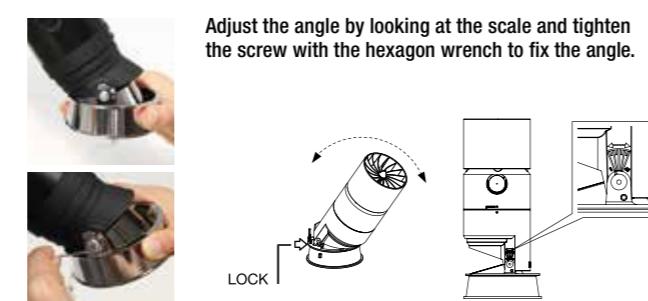
Edge-control lens filter  
MLA-060/EC01



Sharpener lens filter  
MLA-060/SH01



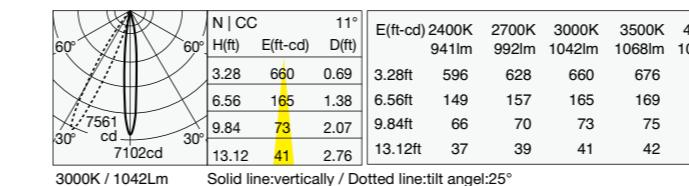
### How to do tilt lock



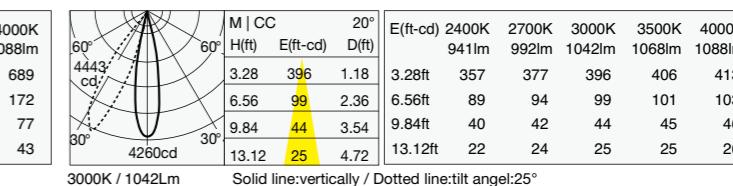
Adjust the angle by looking at the scale and tighten the screw with the hexagon wrench to fix the angle.

### Light distribution (for Chrome cone)

#### Narrow : 11°

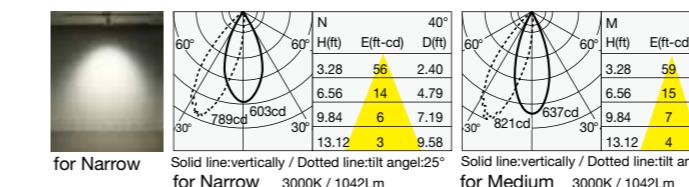


#### Medium : 20°

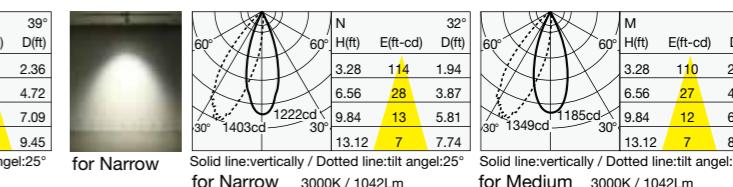


### Light distribution (for Chrome cone) with Filter lighting®

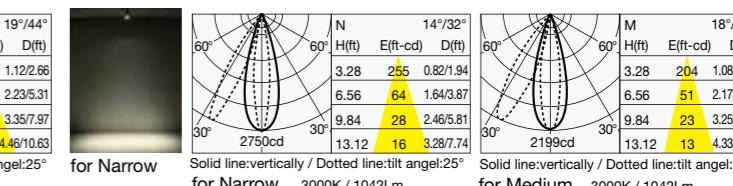
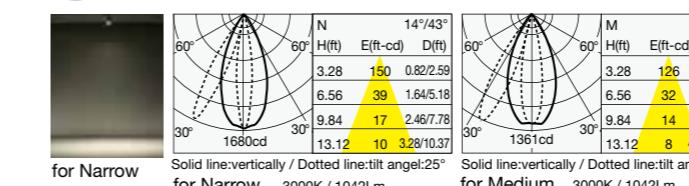
#### Full-Diffuser lens filter | MLA-060/DF01



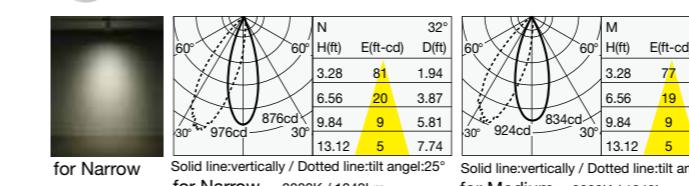
#### Semi-Diffuser lens filter | MLA-060/DS01



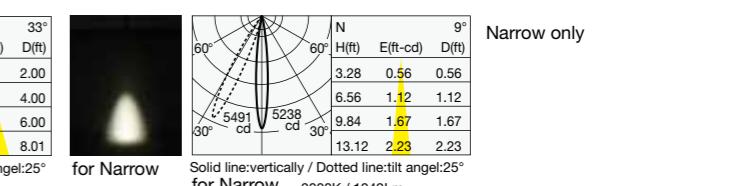
#### Full-spread lens filter | MLA-060/SF01



#### Edge-control lens filter | MLA-060/EC01



#### Sharpener lens filter | MLA-060/SH01



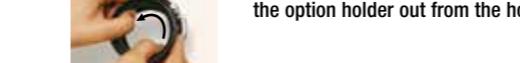
### The attachment of the filters



① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



③ Put the filter into the hood.  
※ up to 2 filters can be inserted.



④ Put back the option holder to the hood.



⑤ Match the mark of the hood and the body and rotate the hood to lock.



## ▲ ACCENT | Track light

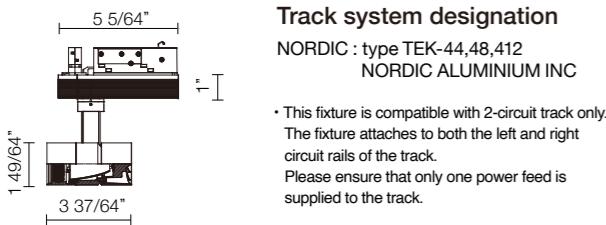
# MMP-060S/1H



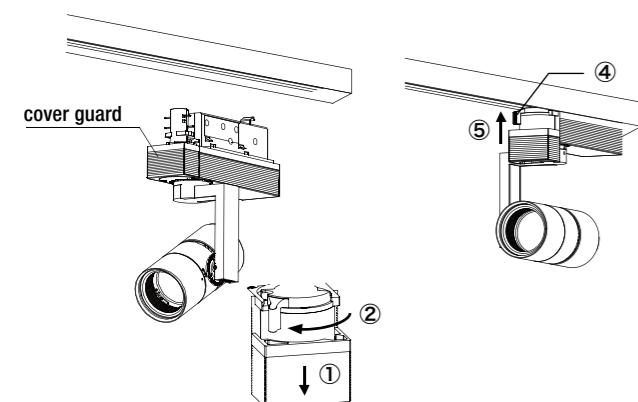
### Products Specifications

- Input Voltage AC120V
- Power consumption 15.4W(AC120V)
- Luminance flux 941 ~ 1,088 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 0.82 lbs
- Light distribution Narrow (11°) Medium (19°)
- Input current 0.129A (120V)
- Aiming distance 0.1m (3 15/16 in)
- Tilting angle 100°
- Filter lighting® 2 Filters

### Size



### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 10° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-060S/1H/W/1N/N/10A 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

◎ NORDIC type  
Dimming | Non-dimming

White	MMP-060S/1H/W/1N/N/10A 24.27.30.35.40/N1/2
Matte black	MMP-060S/1H/M/1N/N/10A 24.27.30.35.40/N1/2
Silver	MMP-060S/1H/S/1N/N/10A 24.27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-060/DF01



Semi-Diffuser lens filter  
MLA-060/DS01



Full-spread lens filter  
MLA-060/SF01



Semi-Spread lens filter  
MLA-060/SS01



Edge-control lens filter  
MLA-060/EC01

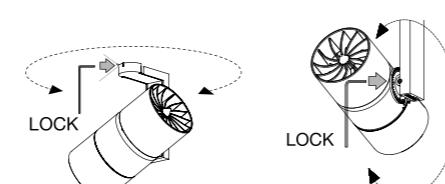


Sharpen lens filter  
MLA-060/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

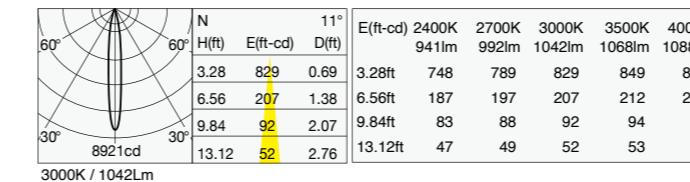


- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

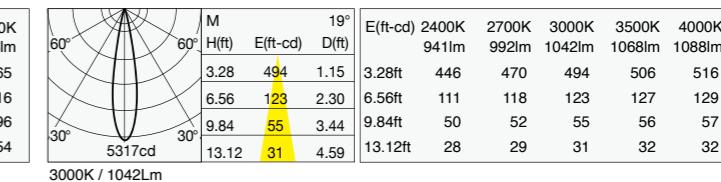
### Light distribution

#### Narrow : 11°



3000K / 1042Lm

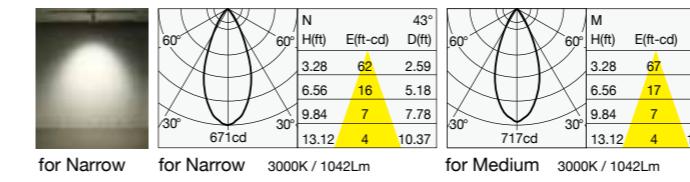
#### Medium : 19°



3000K / 1042Lm

### Light distribution with Filter lighting®

#### Full-Diffuser lens filter | MLA-060/DF01

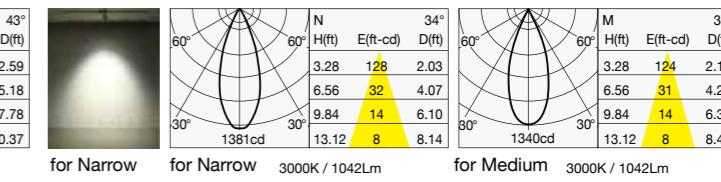


for Narrow

for Narrow

3000K / 1042Lm

#### Semi-Diffuser lens filter | MLA-060/DS01

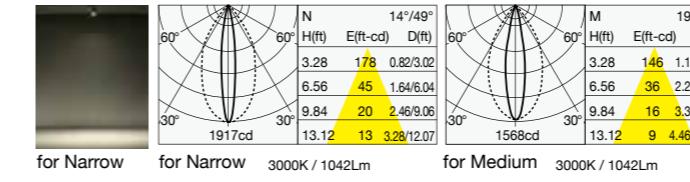


for Narrow

for Narrow

3000K / 1042Lm

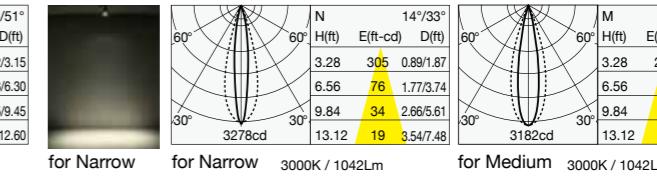
#### Full-spread lens filter | MLA-060/SF01



for Narrow

for Narrow

3000K / 1042Lm

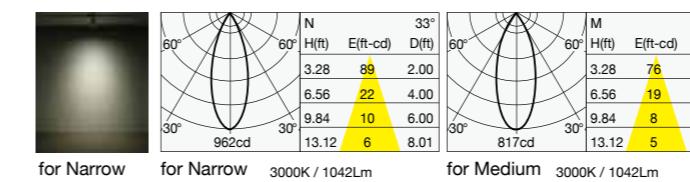


for Narrow

for Narrow

3000K / 1042Lm

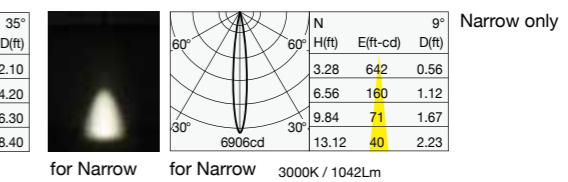
#### Edge-control lens filter | MLA-060/EC01



for Narrow

for Narrow

3000K / 1042Lm



for Narrow

for Narrow

3000K / 1042Lm

### The attachment of the filters

① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.

② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.

③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.

④ Put back the option holder to the hood.

⑤ Match the mark of the hood and the body and rotate the hood to lock.



**GOOD DESIGN AWARD 2017**  
GOOD DESIGN AWARD 2017  
**BEST 100**

GOOD DESIGN AWARD 2017  
Design of Production Development  
GOOD DESIGN AWARD 2017  
**My Favorite Design**

## ▲ ACCENT | Track light

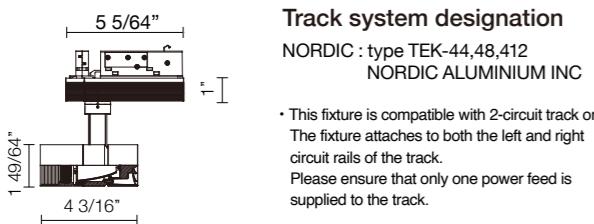
# MMP-060S/3H



### Products Specifications

- Input Voltage AC120V
- Power consumption 15.4W(AC120V)
- Luminance flux 941 ~ 1,088 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 0.84 lbs
- Light distribution Narrow (11°) Medium (19°)
- Input current 0.129A (120V)
- Aiming distance 0.1m (3 15/16 in)
- Tilting angle 100°
- Filter lighting® 2 Filters

### Size

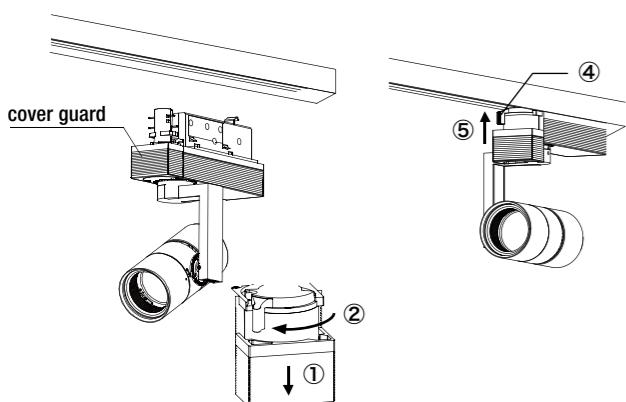


### Track system designation

NORDIC : type TEK-44,48,412  
NORDIC ALUMINUM INC

- This fixture is compatible with 2-circuit track only. The fixture attaches to both the left and right circuit rails of the track. Please ensure that only one power feed is supplied to the track.

### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 30° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-060S/3H/W/1N/N/10A 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

◎ NORDIC type  
Dimming | Non-dimming

White	MMP-060S/3H/W/1N/N/10A 24.27.30.35.40/N1/2
Matte black	MMP-060S/3H/M/1N/N/10A 24.27.30.35.40/N1/2
Silver	MMP-060S/3H/S/1N/N/10A 24.27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-060/DF01



Semi-Diffuser lens filter  
MLA-060/DS01



Full-spread lens filter  
MLA-060/SF01



Semi-Spread lens filter  
MLA-060/SS01



Edge-control lens filter  
MLA-060/EC01

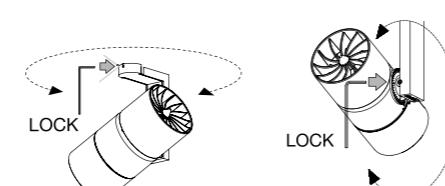


Sharpener lens filter  
MLA-060/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

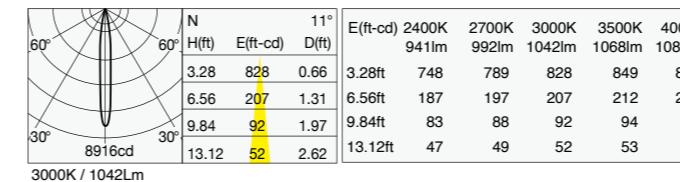


- ① Pull down the cover guard.  
② Rotate the gear lever.

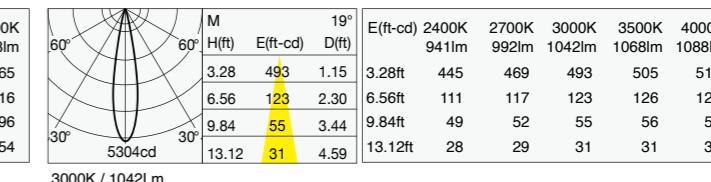
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

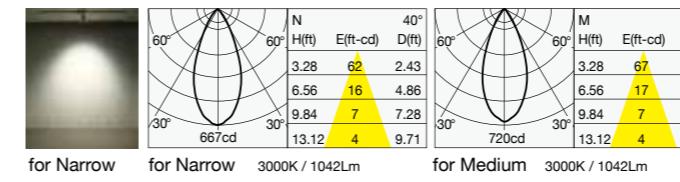


#### Medium : 19°

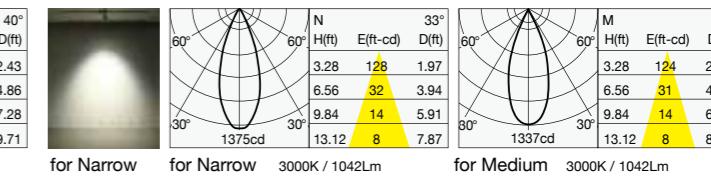


### Light distribution with Filter lighting®

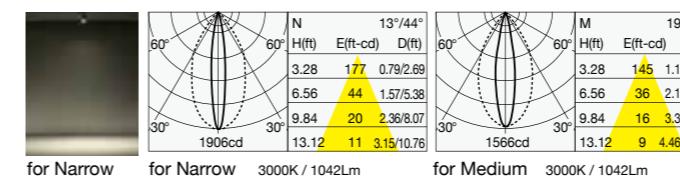
#### Full-Diffuser lens filter | MLA-060/DF01



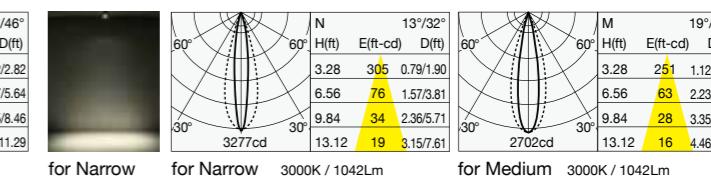
#### Semi-Diffuser lens filter | MLA-060/DS01



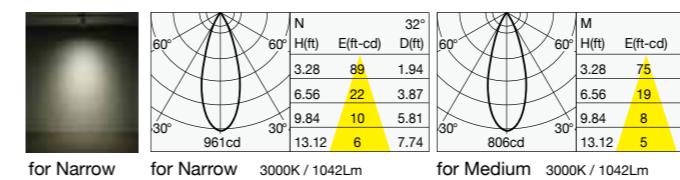
#### Full-spread lens filter | MLA-060/SF01



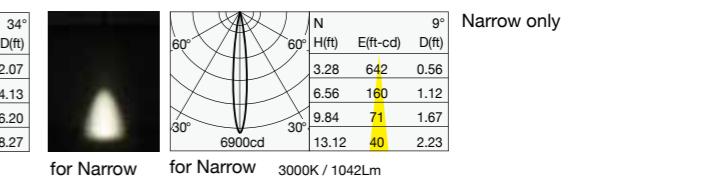
#### Semi-Spread lens filter | MLA-060/SS01



#### Edge-control lens filter | MLA-060/EC01



#### Sharpener lens filter | MLA-060/SH01



### The attachment of the filters

① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.

② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.

③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.

④ Put back the option holder to the hood.

⑤ Match the mark of the hood and the body and rotate the hood to lock.



**GOOD DESIGN AWARD 2017**  
GOOD DESIGN AWARD 2017  
**BEST 100**

GOOD DESIGN AWARD 2017  
Design of Production Development  
GOOD DESIGN AWARD 2017  
**My Favorite Design**

## ▲ ACCENT | Track light

# MMP-060S/5H



W : White

M : Matte black

S : Silver



### Product code

[ ex : 50° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-060S/5H/W/1N/N/10A 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

◎ NORDIC type

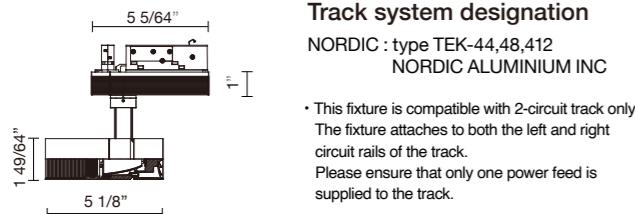
Dimming | Non-dimming

White	MMP-060S/5H/W/1N/N/10A 24.27.30.35.40/N1/2
Matte black	MMP-060S/5H/M/1N/N/10A 24.27.30.35.40/N1/2
Silver	MMP-060S/5H/S/1N/N/10A 24.27.30.35.40/N1/2

### Products Specifications

- Input Voltage AC120V
- Power consumption 15.4W(AC120V)
- Luminance flux 941 ~ 1,088 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 0.87 lbs
- Light distribution Narrow (11°) Medium (18°)
- Input current 0.129A (120V)
- Aiming distance 0.1m (3 15/16 in)
- Tilting angle 100°
- Filter lighting® 2 Filters

### Size

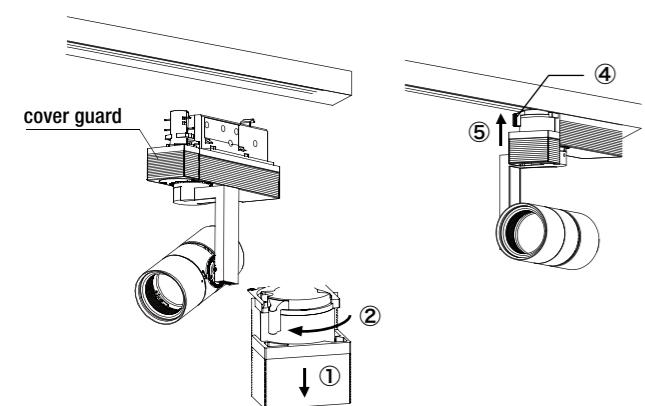


### Track system designation

NORDIC : type TEK-44,48,412  
NORDIC ALUMINUM INC

- This fixture is compatible with 2-circuit track only. The fixture attaches to both the left and right circuit rails of the track.
- Please ensure that only one power feed is supplied to the track.

### Installation



- ① Pull down the cover guard.
- ② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.
- ④ Rotate the gear lever and lock it.
- ⑤ Push up the cover guard.

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-060/DF01



Full-spread lens filter  
MLA-060/SF01



Edge-control lens filter  
MLA-060/EC01



Semi-Diffuser lens filter  
MLA-060/DS01



Semi-Spread lens filter  
MLA-060/SS01

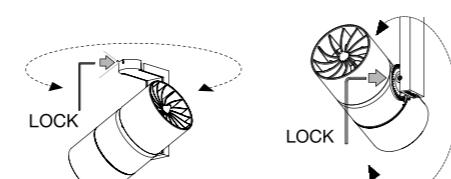


Sharpener lens filter  
MLA-060/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

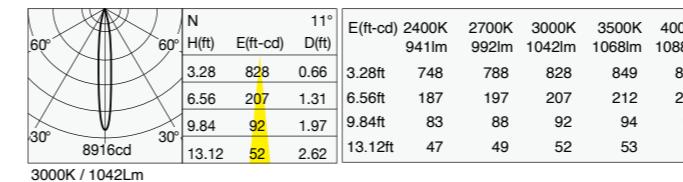


- ① Pull down the cover guard.
- ② Rotate the gear lever.

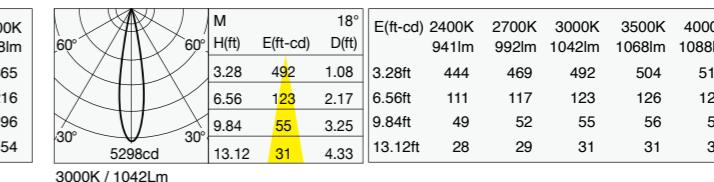
- ③ Push the driver box against the lighting rail.
- ④ Rotate the gear lever and lock it.
- ⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

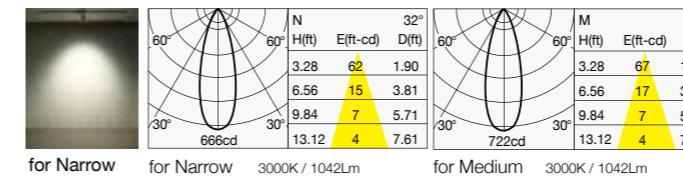


#### Medium : 18°

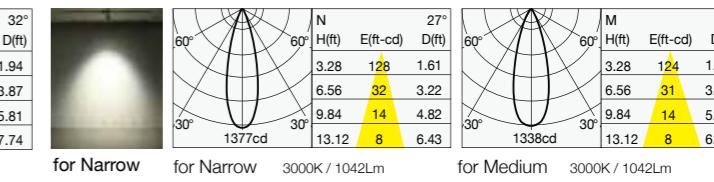


### Light distribution with Filter lighting®

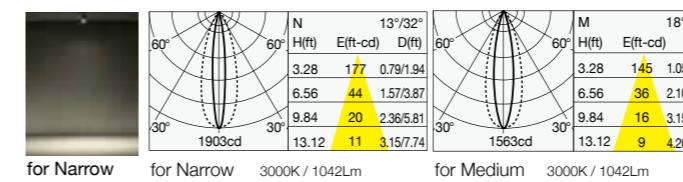
#### Full-Diffuser lens filter | MLA-060/DF01



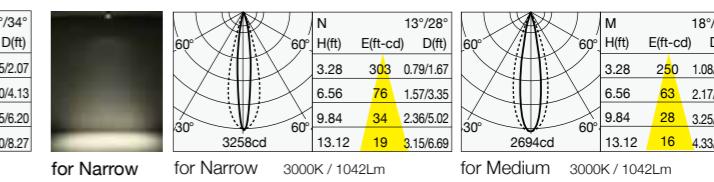
#### Semi-Diffuser lens filter | MLA-060/DS01



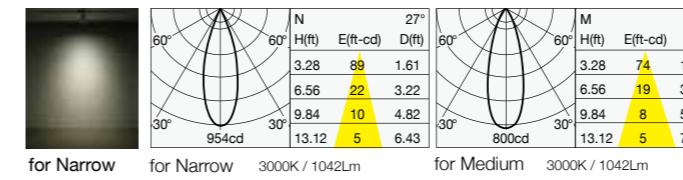
#### Full-spread lens filter | MLA-060/SF01



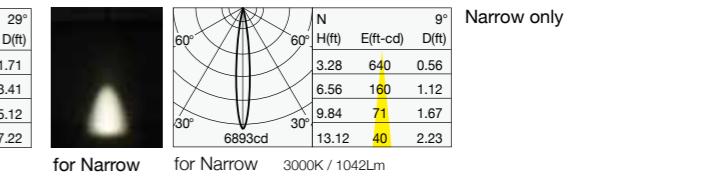
#### Semi-Spread lens filter | MLA-060/SS01



#### Edge-control lens filter | MLA-060/EC01



#### Sharpener lens filter | MLA-060/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.

※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.



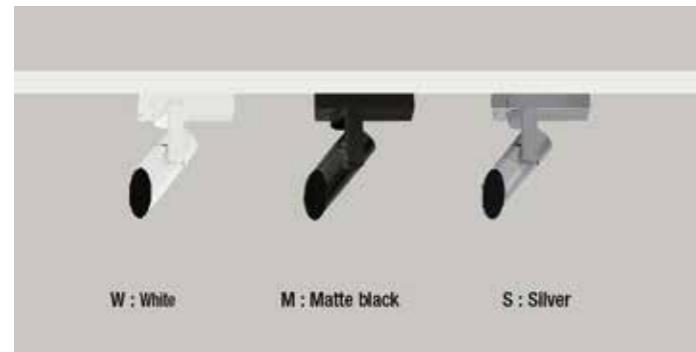
**GOOD DESIGN AWARD 2017**  
GOOD DESIGN AWARD 2017  
**BEST 100**



GOOD DESIGN AWARD 2017  
GOOD DESIGN AWARD 2017  
**My Favorite Design**

## ▲ ACCENT | Track light

# MMP-060S/SH



W : White      M : Matte black      S : Silver



### Product code

[ ex : Slant hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-060S/SH/W/1N/N/10A 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

◎ NORDIC type

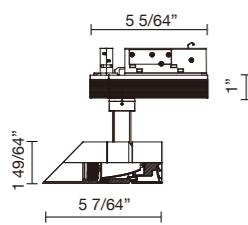
Dimming | Non-dimming

White	MMP-060S/SH/W/1N/N/10A 24.27.30.35.40/N1/2
Matte black	MMP-060S/SH/M/1N/N/10A 24.27.30.35.40/N1/2
Silver	MMP-060S/SH/S/1N/N/10A 24.27.30.35.40/N1/2

### Products Specifications

- Input Voltage AC120V
- Power consumption 15.4W(AC120V)
- Luminance flux 941 ~ 1,088 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 0.84 lbs
- Light distribution Narrow (11°) Medium (19°)
- Input current 0.129A (120V)
- Aiming distance 0.1m (3 15/16 in)
- Tilting angle 100°
- Filter lighting® 2 Filters

### Size

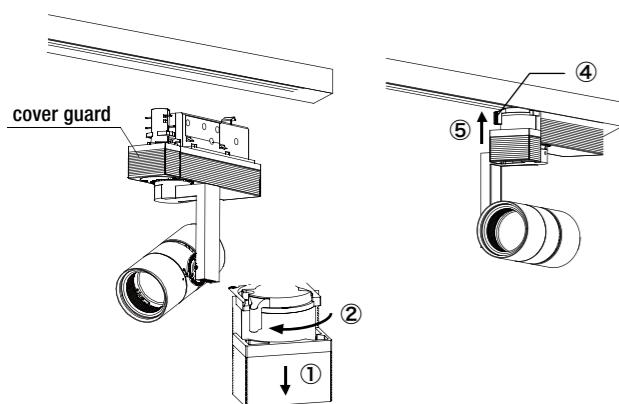


### Track system designation

NORDIC : type TEK-44,48,412  
NORDIC ALUMINUM INC

- This fixture is compatible with 2-circuit track only.
- The fixture attaches to both the left and right circuit rails of the track.
- Please ensure that only one power feed is supplied to the track.

### Installation



- ① Pull down the cover guard.
- ② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.
- ④ Rotate the gear lever and lock it.
- ⑤ Push up the cover guard.

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-060/DF01



Semi-Diffuser lens filter  
MLA-060/DS01



Full-spread lens filter  
MLA-060/SF01



Semi-Spread lens filter  
MLA-060/SS01



Edge-control lens filter  
MLA-060/EC01

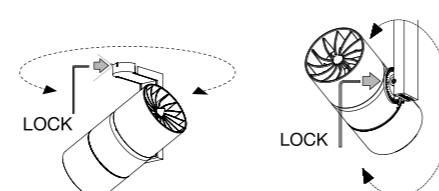


Sharpener lens filter  
MLA-060/SH01



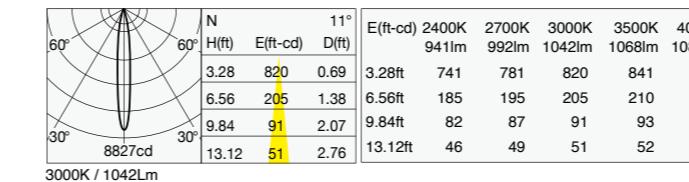
### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

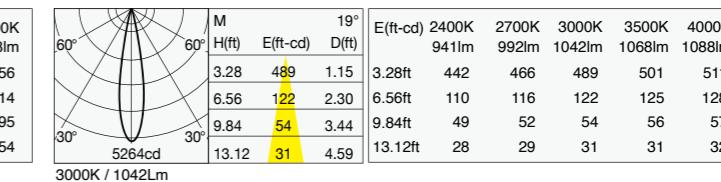


### Light distribution

#### Narrow : 11°

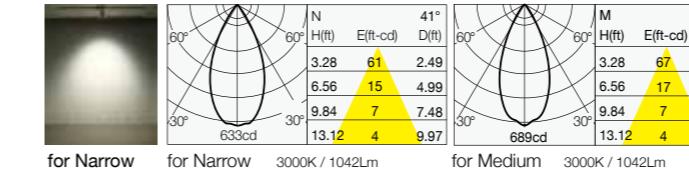


#### Medium : 19°

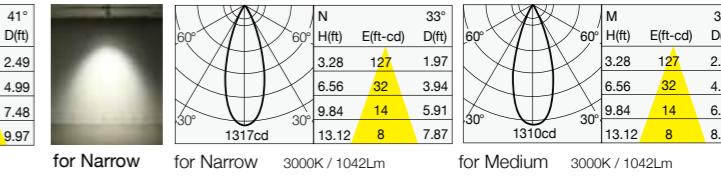


### Light distribution with Filter lighting®

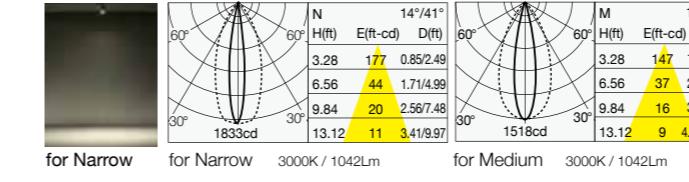
#### Full-Diffuser lens filter | MLA-060/DF01



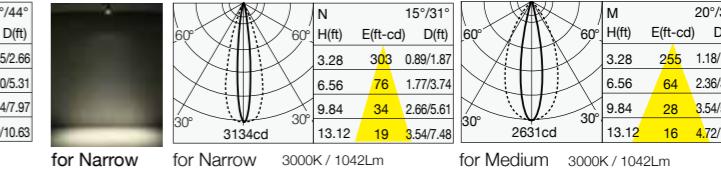
#### Semi-Diffuser lens filter | MLA-060/DS01



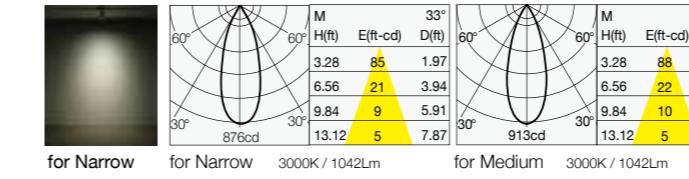
#### Full-spread lens filter | MLA-060/SF01



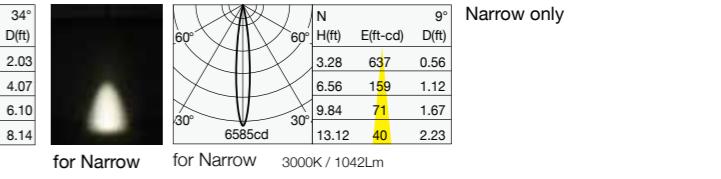
#### Semi-Spread lens filter | MLA-060/SS01



#### Edge-control lens filter | MLA-060/EC01



#### Sharpener lens filter | MLA-060/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## AMBIENT | Ambient downlight

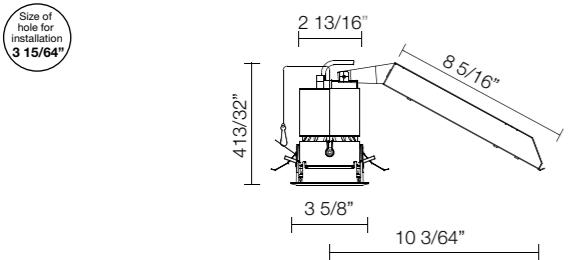
### MMP-080F



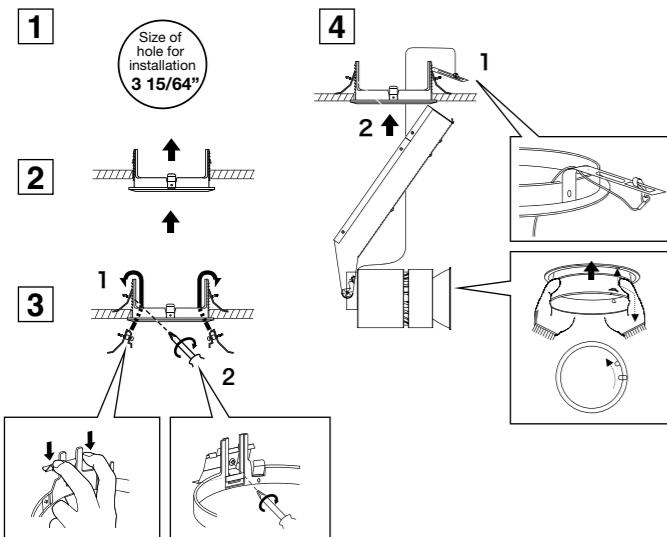
#### Products Specifications

• Input Voltage	AC120 ~ 277V
• Power consumption	29.0W(AC120V) / 30.3W(AC277V)
• Luminance flux	2,322 ~ 2,559 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	2.183 lbs
• Light distribution	Wide(62°) Wide(42°) Medium(34°)
• Input current	0.7A
• Aiming distance	0.2m (7 7/8 in)
• Ceiling thickness	23/64~63/64 in
• Glare cut off angle	30°

#### Size



#### Installation



#### Product code

[ ex : Chrome cone /White trim / Wide 42° / 3000K ]

#### MMP-080F/CC/SWF/W/20B30/Z1/2

Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authentication
----------------------	------------	------------	--------------------	--------------	-------------------	-------------	----------------

##### ◎Round trim type

Dimming | 0-10V | 5-100%

White	MMP-080F/WC/SWF/F.W.M/ 20B27.30.35.40/Z1/2
Matte black	MMP-080F/MC/SWF.SMF/F.W.M/ 20B27.30.35.40/Z1/2
Chrome	MMP-080F/CC/SWF.SMF/F.W.M/ 20B27.30.35.40/Z1/2

### MMP-080F



#### Product code

[ ex : Chrome cone /White trim / Wide 42° / 3000K ]

#### MMP-080F/CC/CWF/W/20B30/Z1/2

Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authentication
----------------------	------------	------------	--------------------	--------------	-------------------	-------------	----------------

##### ◎Square trim type

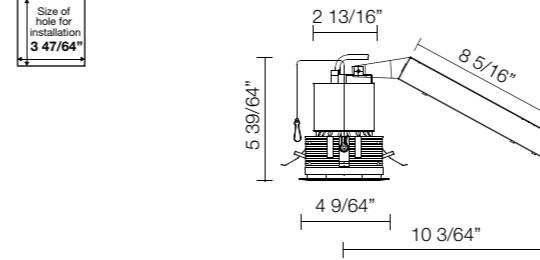
Dimming | 0-10V | 5-100%

White	MMP-080F/WC/CWF/F.W.M/ 20B27.30.35.40/Z1/2
Matte black	MMP-080F/MC/CWF.CMF/F.W.M/ 20B27.30.35.40/Z1/2
Chrome	MMP-080F/CC/CWF.CMF/F.W.M/ 20B27.30.35.40/Z1/2

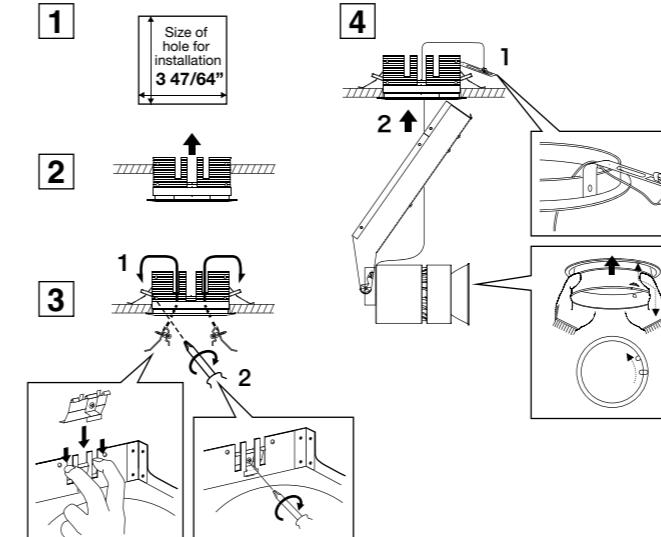
#### Products Specifications

• Input Voltage	AC120 ~ 277V
• Power consumption	29.0W(AC120V) / 30.3W(AC277V)
• Luminance flux	2,322 ~ 2,559 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	2.183 lbs
• Light distribution	Wide(62°) Wide(42°) Medium(34°)
• Input current	0.7A
• Aiming distance	0.2m (7 7/8in)
• Ceiling thickness	23/64~63/64 in
• Glare cut off angle	30°

#### Size

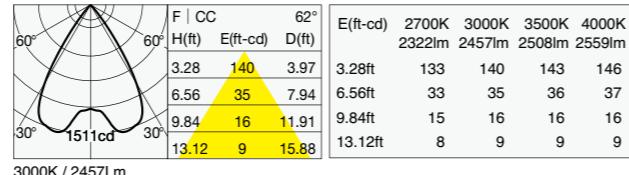


#### Installation

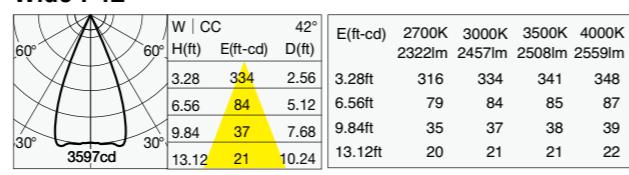


#### Light distribution (for Chrome cone)

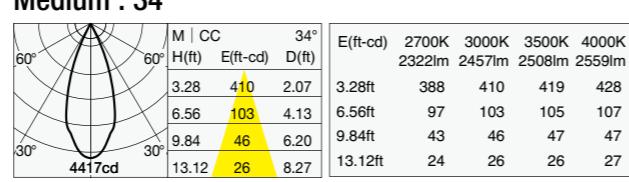
##### Wide : 62°



##### Wide : 42°

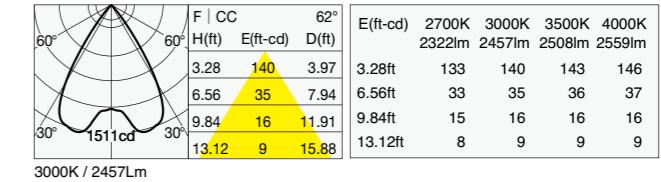


##### Medium : 34°

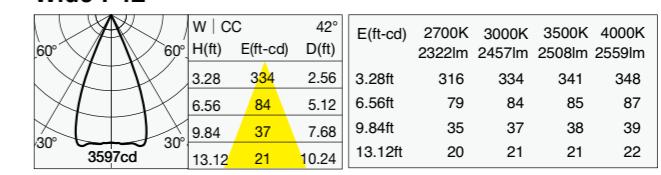


#### Light distribution (Chrome cone)

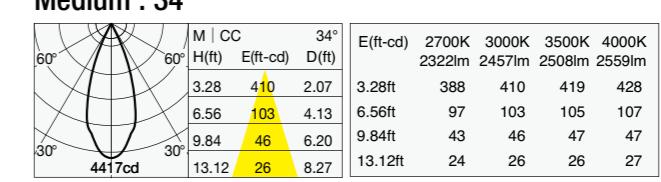
##### Wide : 62°



##### Wide : 42°



##### Medium : 34°



## WALL | Wall washer downlight

# MMP-080W



### Product code

[ ex : Chrome cone /White trim / Wall washer / 3000K ]

**MMP-080W/CC/SWF/ 0 /20B 30/Z1/ 2**

Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------------	------------	--------------------	--------------	-------------------	-------------	--------------

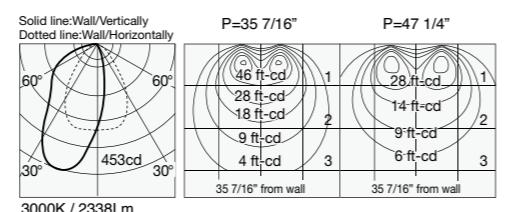
©Dimming | 0-10V | 10-100%

White	MMP-080W/WC/SWF/0/ 20B27.30.35.40/Z1/2
Matte black	MMP-080W/MC/SWF.SMF/0/ 20B27.30.35.40/Z1/2
Chrome	MMP-080W/CC/SWF.SMF/0/ 20B27.30.35.40/Z1/2

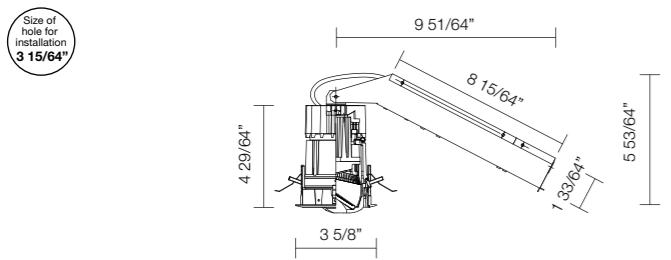
### Products Specifications

- Input Voltage AC120 ~ 277V
- Power consumption 30.1W(AC120V) / 31.6W(AC277V)
- Luminance flux 2,211 ~ 2,479 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 2.39 lbs
- Light distribution Wall washer
- Input current 0.7A
- Aiming distance 0.1m (3 15/16 in)
- Ceiling thickness 23/64 ~ 63/64 in

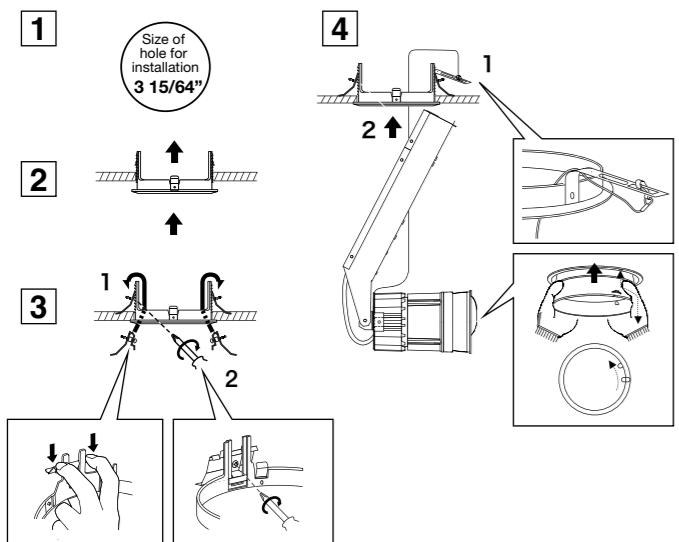
### Light distribution (Chrome cone)



### Size



### Installation



## ▲ ACCENT | Accent downlight

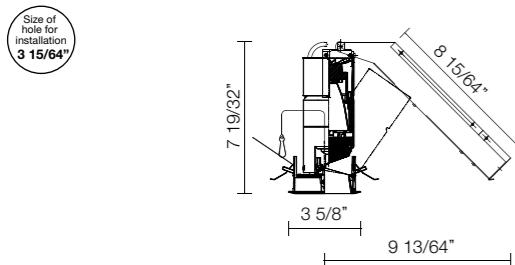
# MMP-080A



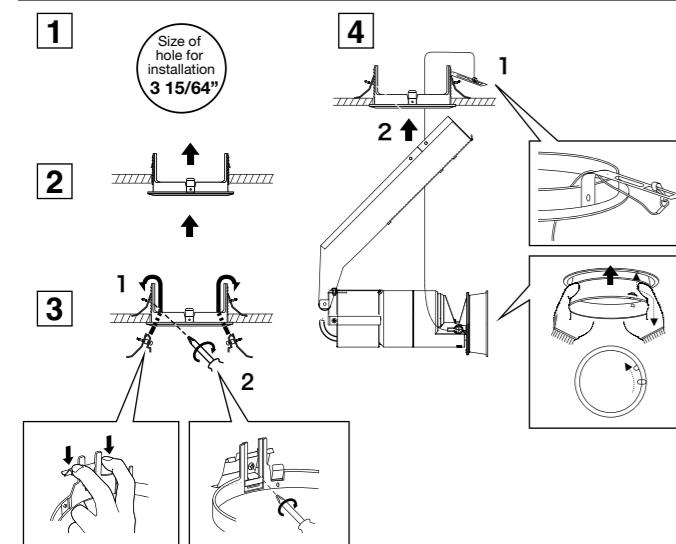
### Products Specifications

• Input Voltage	AC120 ~ 277V
• Power consumption	20.8W(AC120V) / 22.1W(AC277V)
• Luminance flux	1,685 ~ 1,857 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	2.34 lbs
• Light distribution	Narrow (12°) Medium (22°)
• Input current	0.5A
• Aiming distance	0.2m (7 7/8 in)
• Ceiling thickness	23/64 ~ 63/64 in
• Tilting angle	35°
• Filter lighting®	2 Filters

### Size



### Installation



### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-080/DF01



Semi-Diffuser lens filter  
MLA-080/DS03



Full-spread lens filter  
MLA-080/SF01



Semi-Spread lens filter  
MLA-080/SS01



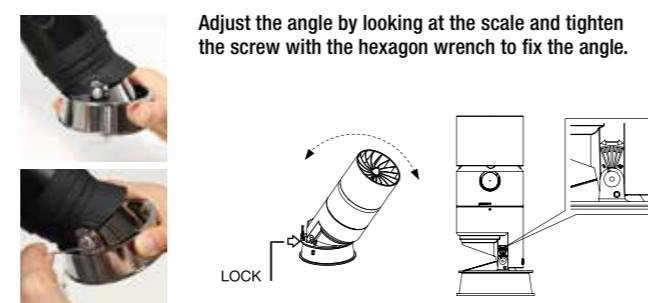
Edge-control lens filter  
MLA-080/EC02



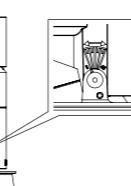
Sharpener lens filter  
MLA-080/SH01



### How to do tilt lock



Adjust the angle by looking at the scale and tighten the screw with the hexagon wrench to fix the angle.



### Product code

[Ex : Chrome cone /White trim / Narrow 12° / 3000K ]

**MMP-080A/CC/SWF/N/10B 30/Z1/ 2**

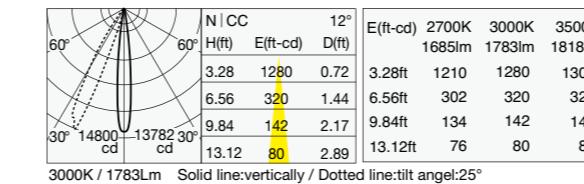
Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authenticity
◎ Dimming   0-10V   10-100%							
White	MMP-080A/WC/SWF/N.M/						
	10B27.30.35.40/Z1/2						

Matte black MMP-080A/MC/SWF.SMF/N.M/ 10B27.30.35.40/Z1/2

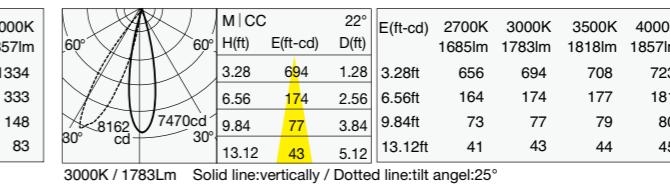
Chrome MMP-080A/CC/SWF.SMF/N.M/ 10B27.30.35.40/Z1/2

### Light distribution (for Chrome cone)

#### Narrow : 12°

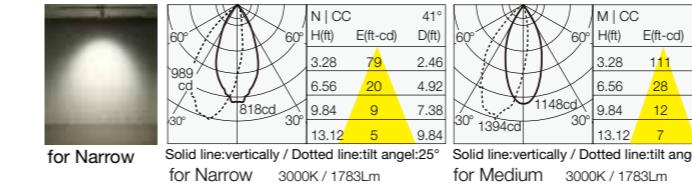


#### Medium : 22°

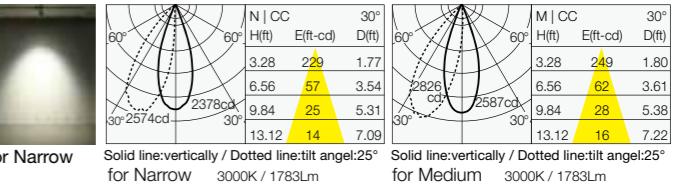


### Light distribution (for Chrome cone) with Filter lighting®

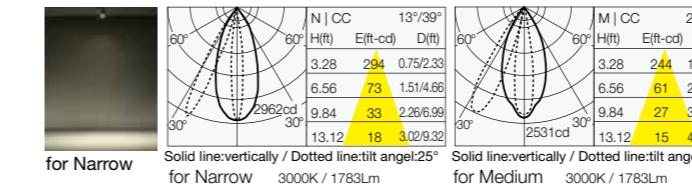
#### Full-Diffuser lens filter | MLA-060/DF01



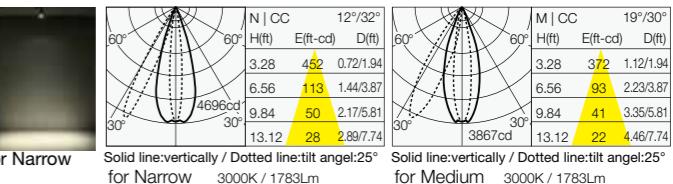
#### Semi-Diffuser lens filter | MLA-060/DS01



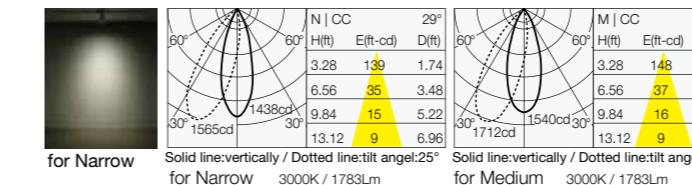
#### Full-spread lens filter | MLA-060/SF01



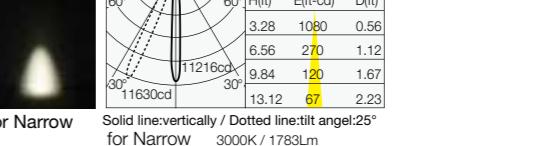
#### Semi-Spread lens filter | MLA-060/SS01



#### Edge-control lens filter | MLA-060/EC01



#### Sharpener lens filter | MLA-060/SH01



### The attachment of the filters

① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



③ Put the filter into the hood.

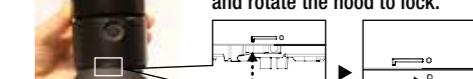


\* up to 2 filters can be inserted.  
\* The sharpener lens are counted as 2 lens.

④ Put back the option holder to the hood.

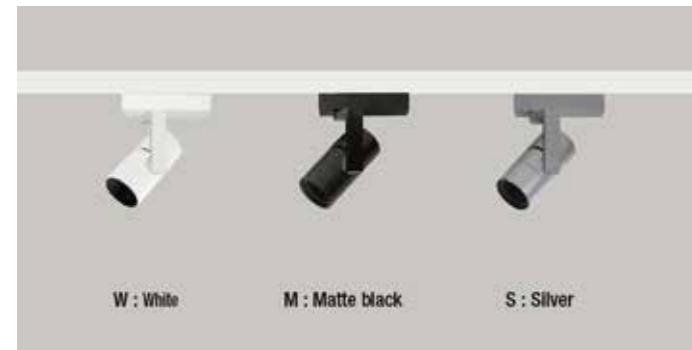


⑤ Match the mark of the hood and the body and rotate the hood to lock.



## ▲ ACCENT | Track light

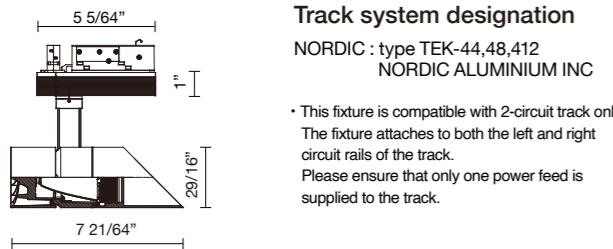
# MMP-080S/1H



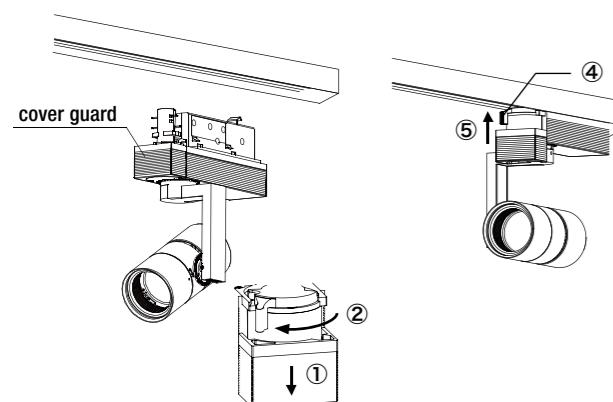
### Products Specifications

• Input Voltage	AC120V
• Power consumption	21.8W(AC120V)
• Luminance flux	1,630 ~ 1,796 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.32 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.183A (120V)
• Aiming distance	0.2m (7 7/8 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation



- ① Pull down the cover guard.
- ② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.
- ④ Rotate the gear lever and lock it.
- ⑤ Push up the cover guard.



### Product code

[ ex : Slant hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-080S/SW/W/1N/N/10B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

#### ◎ NORDIC type

Dimming | Non-dimming

White	MMP-080S/SW/W/1N/N/10B 27.30.35.40/N1/2
Matte black	MMP-080S/SW/M/1N/N/10B 27.30.35.40/N1/2
Silver	MMP-080S/SW/S/1N/N/10B 27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-080/DF01



Semi-Diffuser lens filter  
MLA-080/DS03



Full-spread lens filter  
MLA-080/SF01



Semi-Spread lens filter  
MLA-080/SS01



Edge-control lens filter  
MLA-080/EC02

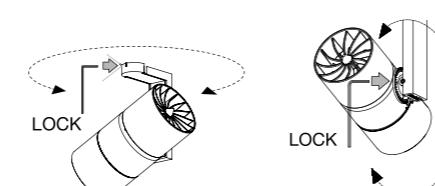


Sharpener lens filter  
MLA-080/SH01



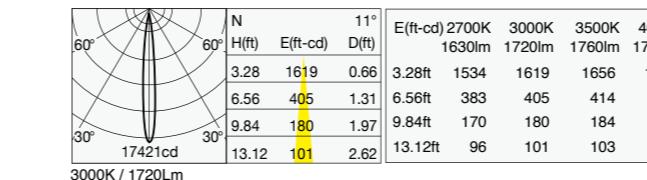
### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

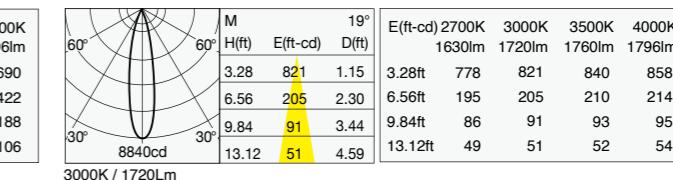


### Light distribution

#### Narrow : 11°

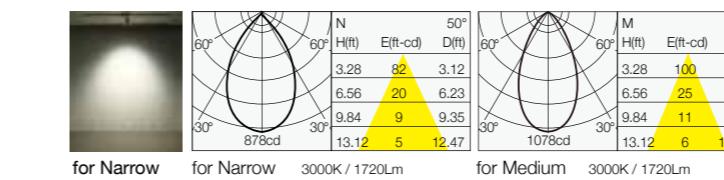


#### Medium : 19°

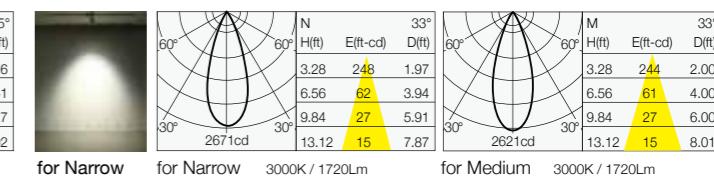


### Light distribution with Filter lighting®

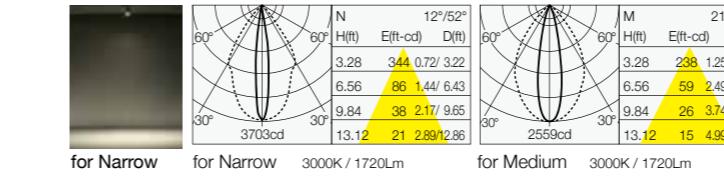
#### Full-Diffuser lens filter | MLA-080/DF01



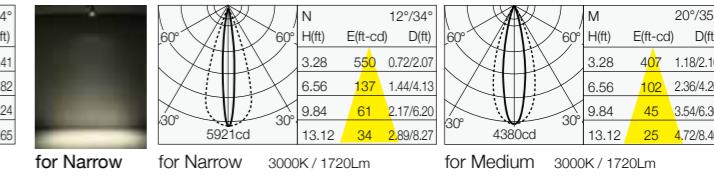
#### Semi-Diffuser lens filter | MLA-080/DS03



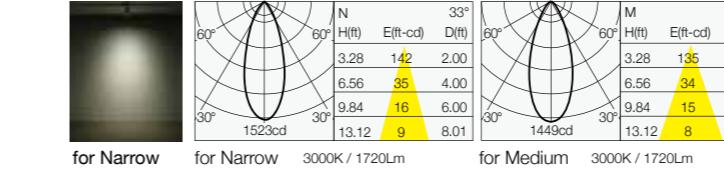
#### Full-spread lens filter | MLA-080/SF01



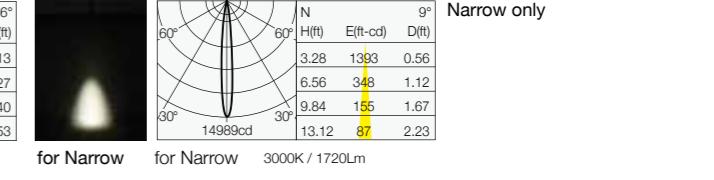
#### Semi-Spread lens filter | MLA-080/SS01



#### Edge-control lens filter | MLA-080/EC02



#### Sharpener lens filter | MLA-080/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



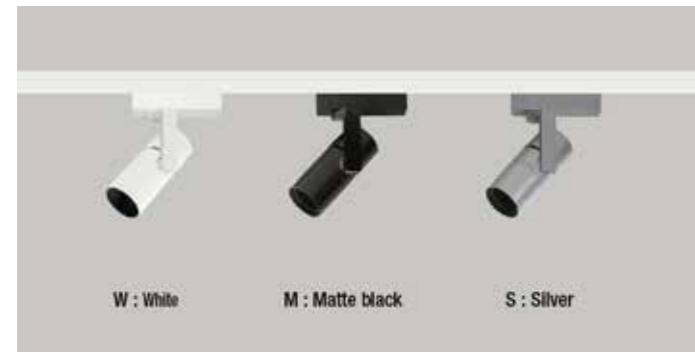
- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

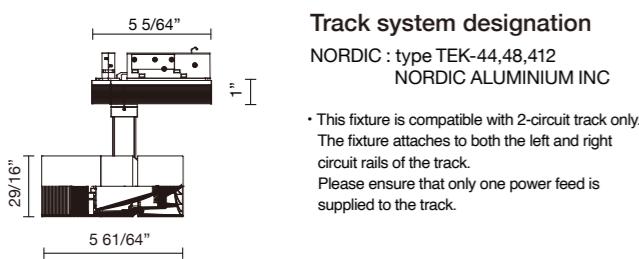
# MMP-080S/3H



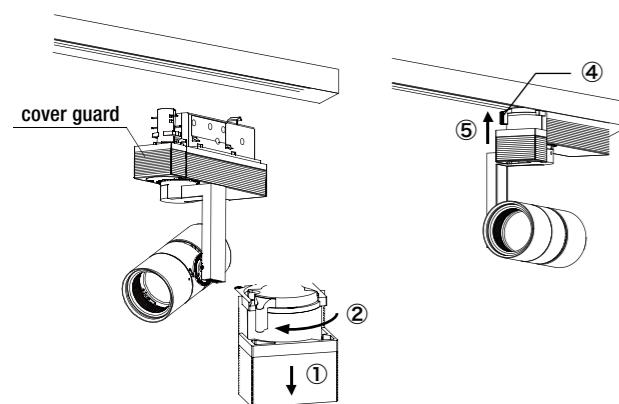
### Products Specifications

• Input Voltage	AC120V
• Power consumption	21.8W(AC120V)
• Luminance flux	1,630 ~ 1,796 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.37 lbs
• Light distribution	Narrow (11°) Medium (20°)
• Input current	0.183A (120V)
• Aiming distance	0.2m (7 7/8 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 30° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-080S/3H/W/1N/N/10B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticaton
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	---------------

#### ◎ NORDIC type

Dimming | Non-dimming

White	MMP-080S/3H/W/1N/N/10B27.30.35.40/N1/2
Matte black	MMP-080S/3H/M/1N/N/10B27.30.35.40/N1/2
Silver	MMP-080S/3H/S/1N/N/10B27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-080/DF01



Semi-Diffuser lens filter  
MLA-080/DS03



Full-spread lens filter  
MLA-080/SF01



Semi-Spread lens filter  
MLA-080/SS01



Edge-control lens filter  
MLA-080/EC02

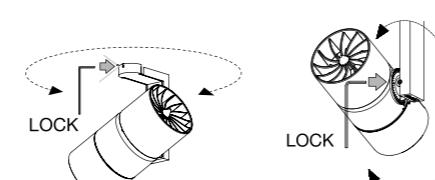


Sharpener lens filter  
MLA-080/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

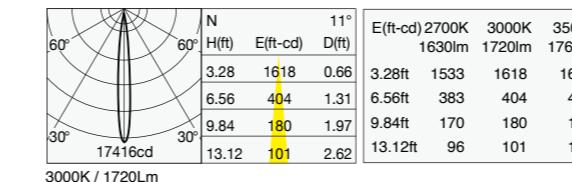


- ① Pull down the cover guard.  
② Rotate the gear lever.

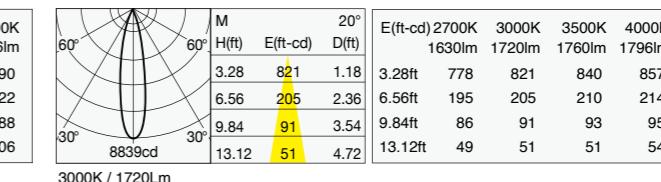
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

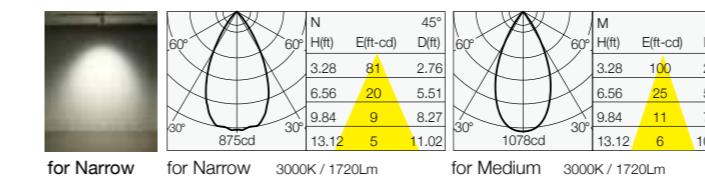


#### Medium : 20°

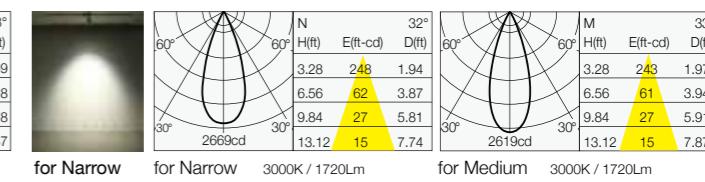


### Light distribution with Filter lighting®

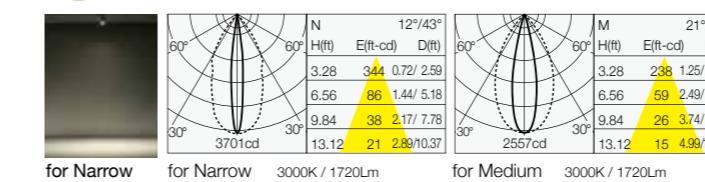
#### Full-Diffuser lens filter | MLA-080/DF01



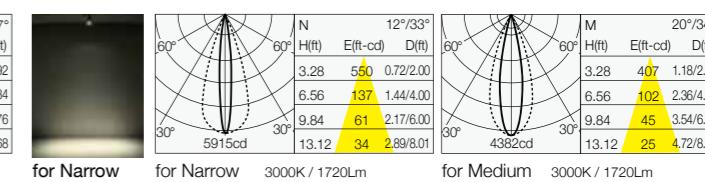
#### Semi-Diffuser lens filter | MLA-080/DS03



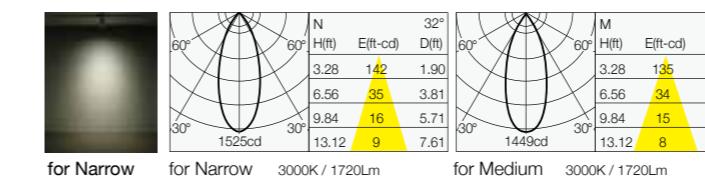
#### Full-spread lens filter | MLA-080/SF01



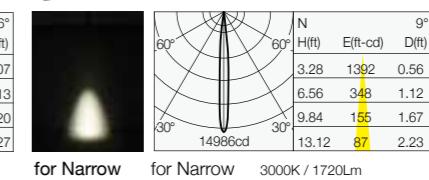
#### Semi-Spread lens filter | MLA-080/SS01



#### Edge-control lens filter | MLA-080/EC02



#### Sharpener lens filter | MLA-080/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

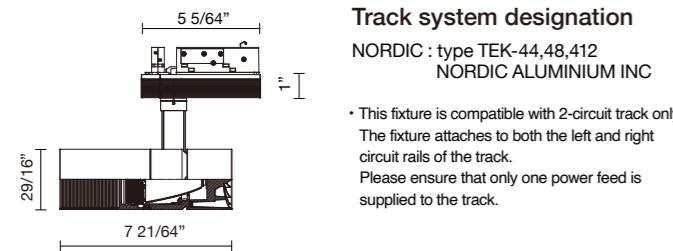
# MMP-080S/5H



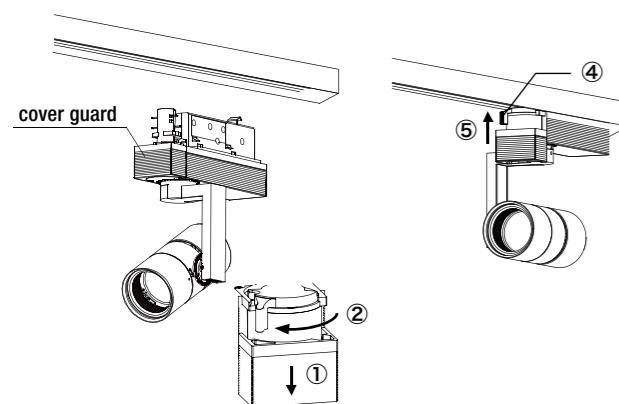
### Products Specifications

• Input Voltage	AC120V
• Power consumption	21.8W(AC120V)
• Luminance flux	1,630 ~ 1,796 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.44 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.183A (120V)
• Aiming distance	0.2m (7 7/8 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation

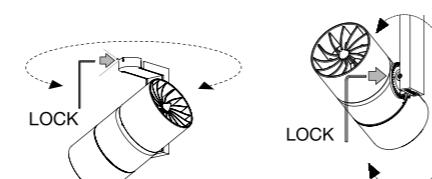


- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.



### Product code

[ ex : 50° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-080S/5H/W/1N/N/10B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
	N							
	H(ft)	E(ft-cd)	D(ft)					
	3.28	1618	0.66					

◎NORDIC type

Dimming | Non-dimming

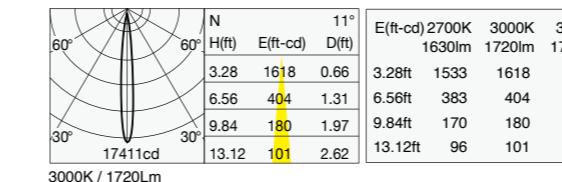
White MMP-080S/5H/W/1N/N/10B27.30.35.40/N1/2

Matte black MMP-080S/5H/M/1N/N/10B27.30.35.40/N1/2

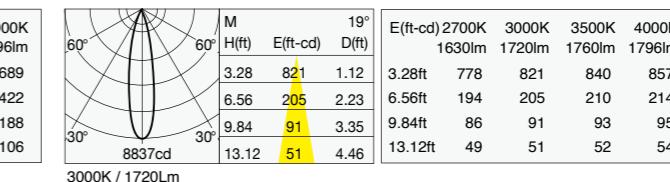
Silver MMP-080S/5H/S/1N/N/10B27.30.35.40/N1/2

### Light distribution

#### Narrow : 11°

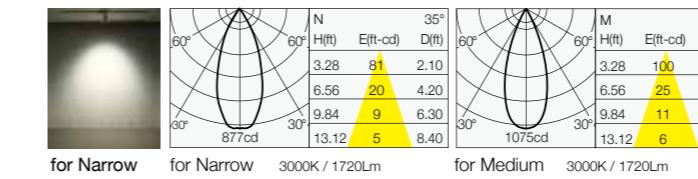


#### Medium : 19°

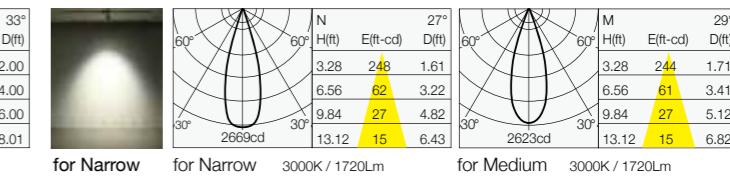


### Light distribution with Filter lighting®

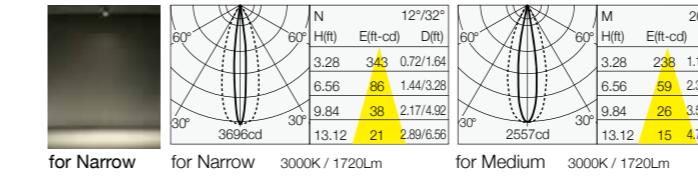
#### Full-Diffuser lens filter | MLA-080/DF01



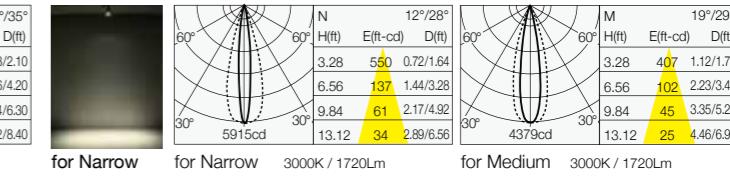
#### Semi-Diffuser lens filter | MLA-080/DS03



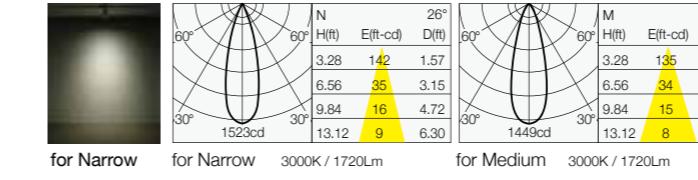
#### Full-spread lens filter | MLA-080/SF01



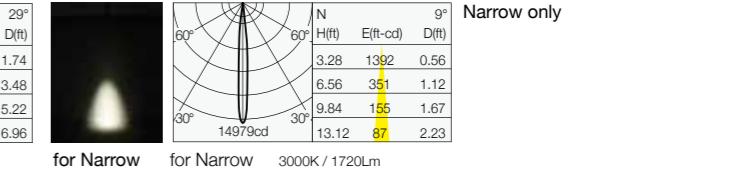
#### Semi-Spread lens filter | MLA-080/SS01



#### Edge-control lens filter | MLA-080/EC02



#### Sharpener lens filter | MLA-080/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



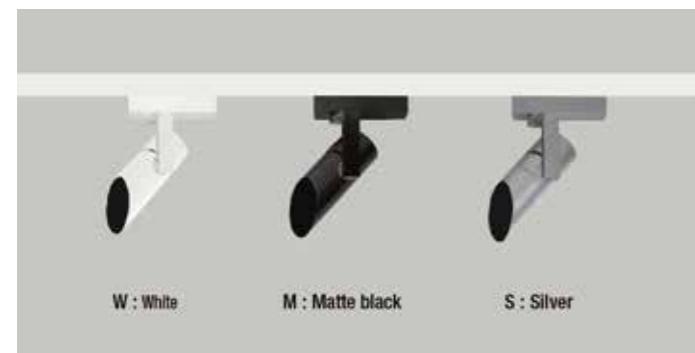
- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

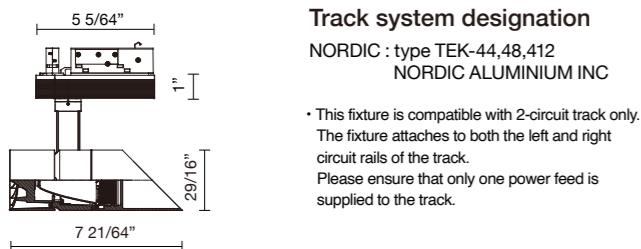
# MMP-080S/SH



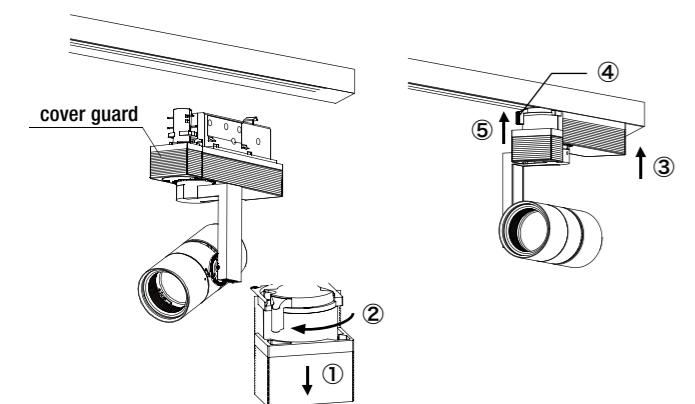
### Products Specifications

• Input Voltage	AC120V
• Power consumption	21.8W(AC120V)
• Luminance flux	1,630 ~ 1,796 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.38 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.183A (120V)
• Aiming distance	0.2m (7 7/8 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation



① Pull down the cover guard.  
② Rotate the gear lever.

③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : Slant hood / White / NORDIC type / Narrow 11° / 3000K ]

## MMP-080S/SH/W/1N/N/10B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

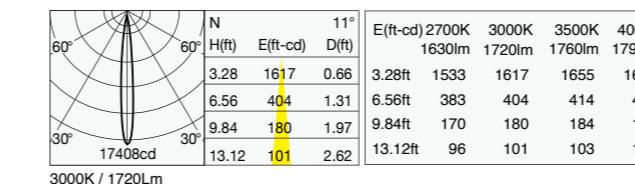
### ◎NORDIC type

Dimming | Non-dimming

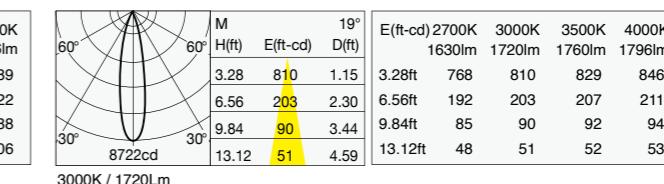
White	MMP-080S/SH/W/1N/N.M/10B27.30.35.40/N1/2
Matte black	MMP-080S/SH/M/1N/N.M/10B27.30.35.40/N1/2
Silver	MMP-080S/SH/S/1N/N.M/10B27.30.35.40/N1/2

### Light distribution

#### Narrow : 11°

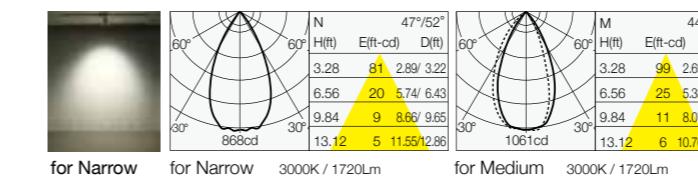


#### Medium : 19°

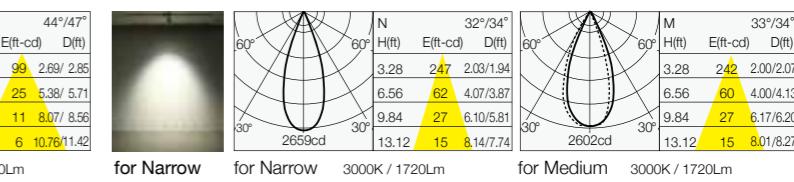


### Light distribution with Filter lighting®

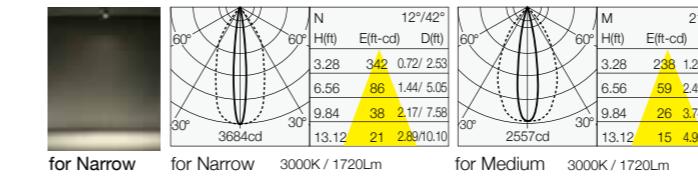
#### Full-Diffuser lens filter | MLA-080/DF01



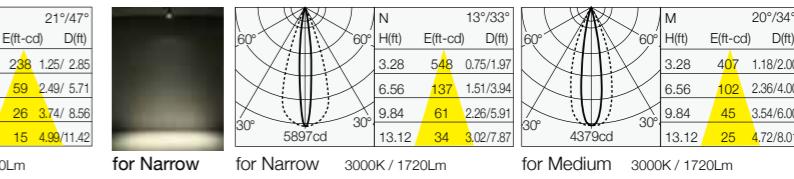
#### Semi-Diffuser lens filter | MLA-080/DS03



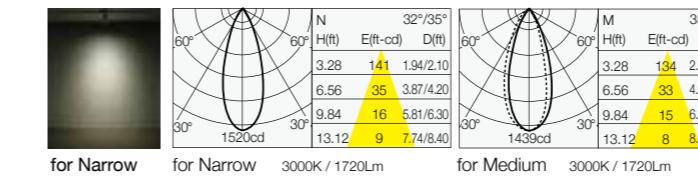
#### Full-spread lens filter | MLA-080/SF01



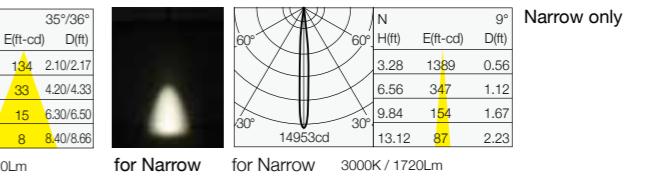
#### Semi-Spread lens filter | MLA-080/SS01



#### Edge-control lens filter | MLA-080/EC02



#### Sharpener lens filter | MLA-080/SH01



### The attachment of the filters



① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



④ Put back the option holder to the hood.



⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ AMBIENT | Ambient downlight

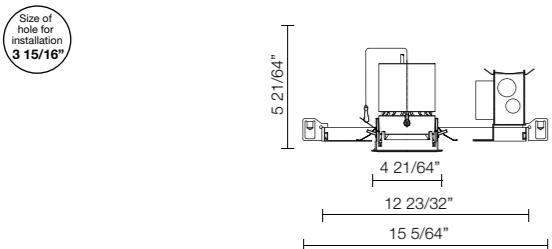
### MMP-100F



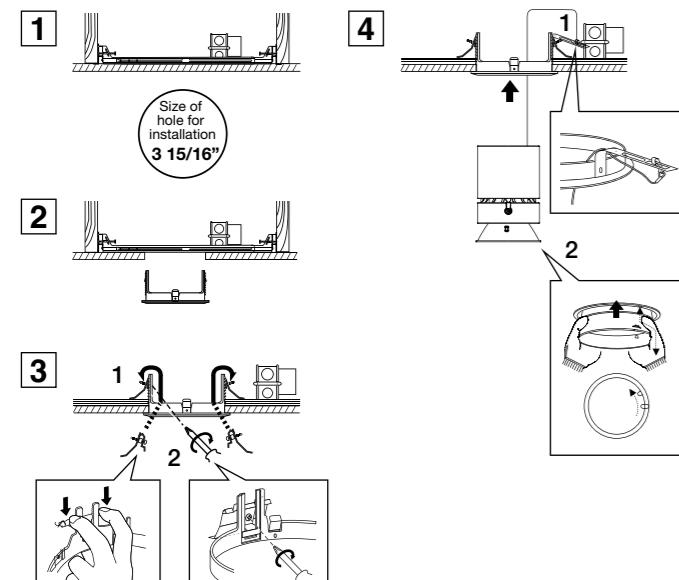
#### Products Specifications

- Input Voltage AC120 ~ 277V
- Power consumption 37.8W(AC120V) / 38.4W(AC277V)
- Luminance flux 3,317 ~ 3,649 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 5.5 lbs
- Light distribution Wide (61°) Wide (47°) Medium (32°)
- Input current 0.9A
- Aiming distance 0.2m (7 7/8 in)
- Ceiling thickness 23/64 ~ 63/64 in
- Glare cut off angle 30°

#### Size



#### Installation



#### Product code

[ ex : Chrome cone /White trim / Wide 47°/ 3000K ]

#### MMP-100F/CC/SWF/W/30B 30/Z1/ 2

Basic Product Series Cone color Trim color Light distribution Light source Color temperature Driver type Authentication

##### ◎ Dimming | 0-10V | 5-100%

	White	MMP-100F/WC/SWF/F.W.M/ 30B27.30.35.40/Z1/2
Matte black	MMP-100F/MC/SWF.SMF/F.W.M/ 30B27.30.35.40/Z1/2	
Chrome	MMP-100F/CC/SWF.SMF/F.W.M/ 30B27.30.35.40/Z1/2	

## ■ WALL | Wall washer downlight

### U-B9451D



#### Product code

[ ex : White cone / White trim / 0-10V type / 3000K ]

#### U - B 9 4 5 1 D / 1 / R 3 0 B / W C / W

Series Function Light source Function Authentication Color temperature Cone Color Trim Color

##### ◎ Dimming | 0-10V | 5-100%

	White	U-B9451D/1/R27B.R30B.R35B.R40B/ WC(W)
Matte black	U-B9451D/1/R27B.R30B.R35B.R40B/ MC/W(White).M(Matte black)	
Chrome	U-B9451D/1/R27B.R30B.R35B.R40B/ NC/W(White).M(Matte black)	

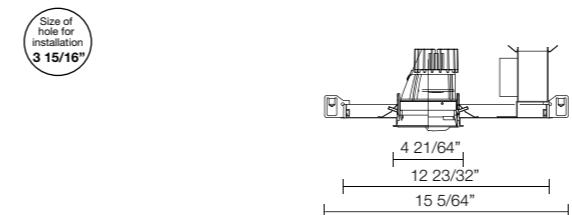
##### ◎ Dimming | Eco system | 3-100%

	White	U-B9451D/2/R27B.R30B.R35B.R40B/ WC(W)
Matte black	U-B9451D/2/R27B.R30B.R35B.R40B/ MC(W(White).M(Matte black)	
Chrome	U-B9451D/2/R27B.R30B.R35B.R40B/ NC/W(White).M(Matte black)	

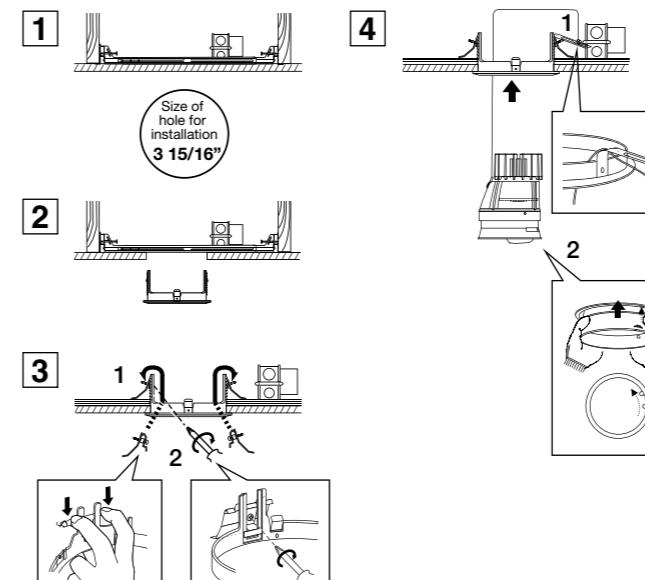
#### Products Specifications

- Input Voltage AC120 ~ 277V
- Power consumption 1 : 0-10V 30.5W(AC120V) / 31.4W(AC277V)  
2 : Eco system 30.8W(AC120V) / 30.8W(AC277V)
- Luminance flux 1,935 ~ 2,084 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 1 : 0-10V 5.6 lbs 2 : Eco system 5.76 lbs
- Light distribution Wall
- Input current 0.67A
- Aiming distance 0.2m (7 7/8 in)
- Ceiling thickness 23/64 ~ 63/64 in
- Glare cut off angle 35°

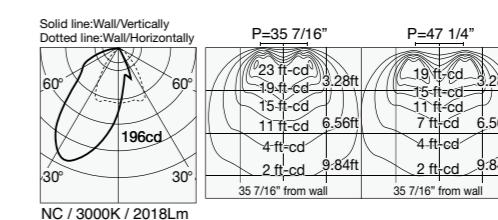
#### Size



#### Installation



#### Light distribution (Chrome cone)



## ▲ ACCENT | Accent downlight

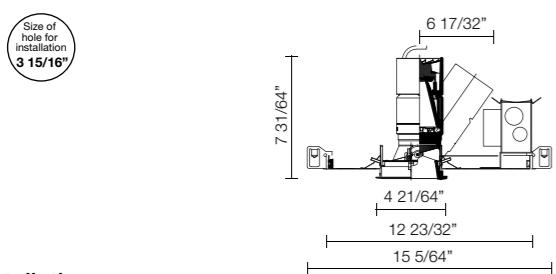
# MMP-100A



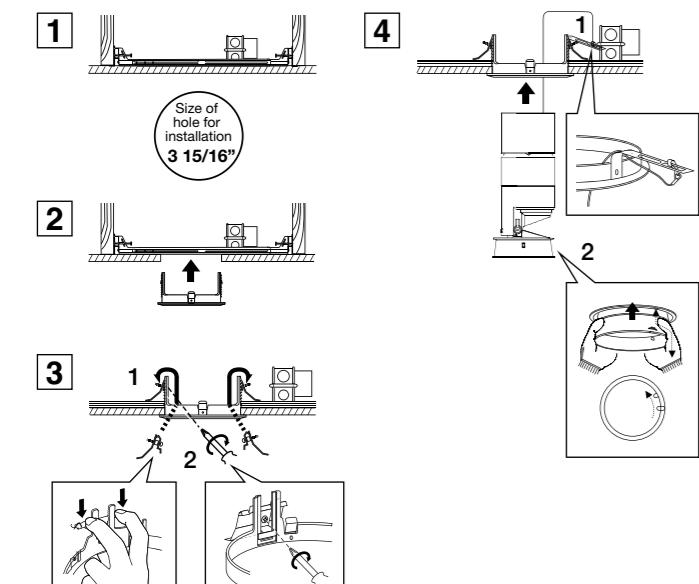
### Products Specifications

• Input Voltage	AC120 ~ 277V
• Power consumption	36.4W(AC120V) / 36.8W(AC277V)
• Luminance flux	2,627 ~ 2,894 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	5.40 lbs
• Light distribution	Medium (20°) Narrow (12°)
• Input current	0.83A
• Aiming distance	0.3m (11 13/16 in)
• Ceiling thickness	23/64 ~ 63/64 in
• Tilting angle	35°
• Filter lighting®	2 Filters

### Size



### Installation



### Product code

Ex : Chrome cone /White trim / Narrow 12°/ 3000K ]

### MMP-100A/CC/SWF/N/30B 30/Z1/ 2

Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authenticity
◎ Dimming   0-10V   5-100%							
White	MMP-100A/WC/SWF/N.M/						
	30B27.30.35.40/Z1/2						

Matte black	MMP-100A/MC/SWF.SMF/N.M/						
	30B27.30.35.40/Z1/2						

Chrome	MMP-100A/CC/SWF.SMF/N.M/						
	30B27.30.35.40/Z1/2						



### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-100/DF01



Semi-Diffuser lens filter  
MLA-100/DS02



Full-spread lens filter  
MLA-100/SF01



Semi-Spread lens filter  
MLA-100/SS01



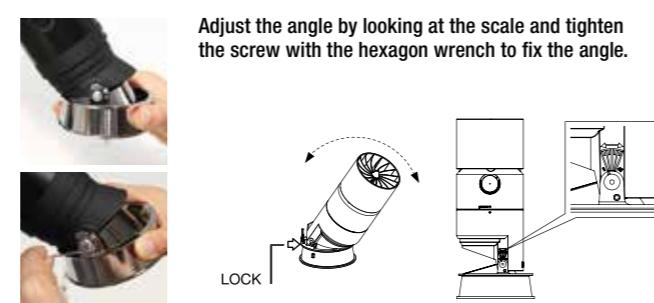
Edge-control lens filter  
MLA-100/EC02



Sharpener lens filter  
MLA-100/SH01



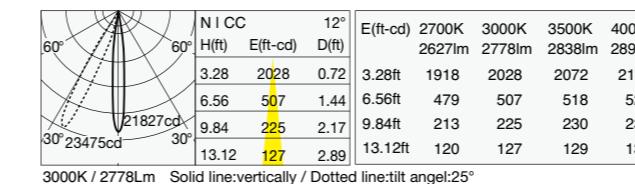
### How to do tilt lock



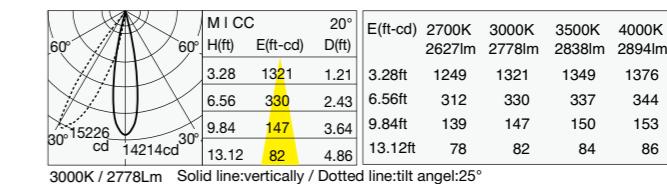
Adjust the angle by looking at the scale and tighten the screw with the hexagon wrench to fix the angle.

### Light distribution (for Chrome cone)

#### Narrow : 12°

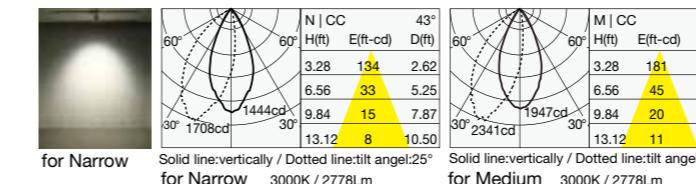


#### Medium : 20°

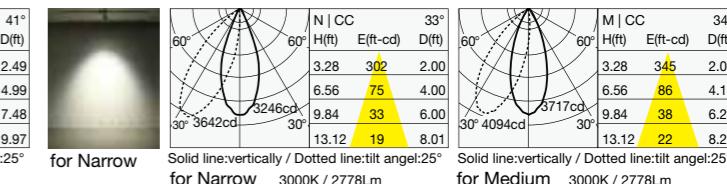


### Light distribution (for Chrome cone) with Filter lighting®

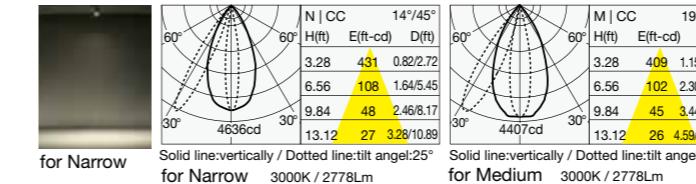
#### Full-Diffuser lens filter | MLA-100/DF01



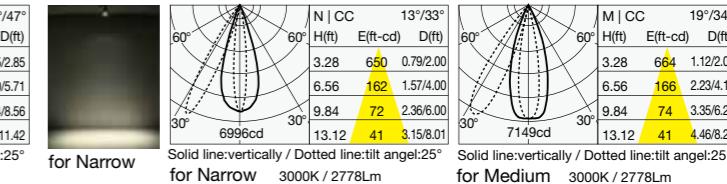
#### Semi-Diffuser lens filter | MLA-100/DS02



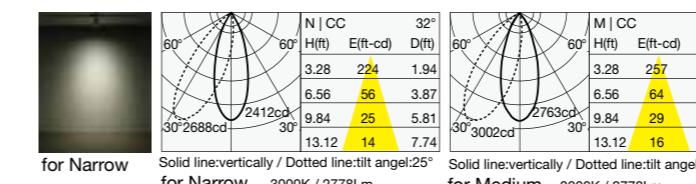
#### Full-spread lens filter | MLA-100/SF01



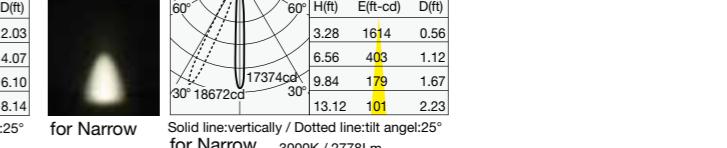
#### Semi-Spread lens filter | MLA-100/SS01



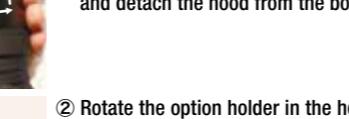
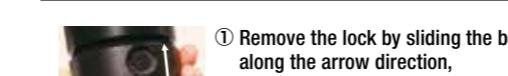
#### Edge-control lens filter | MLA-100/EC02



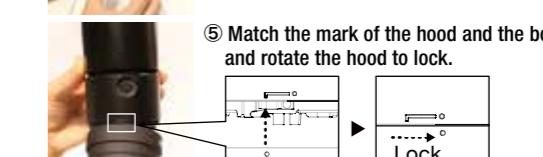
#### Sharpener lens filter | MLA-100/SH01



### The attachment of the filters



\* up to 2 filters can be inserted.  
\* The sharpener lens are counted as 2 lens.



## ACCENT | Track light

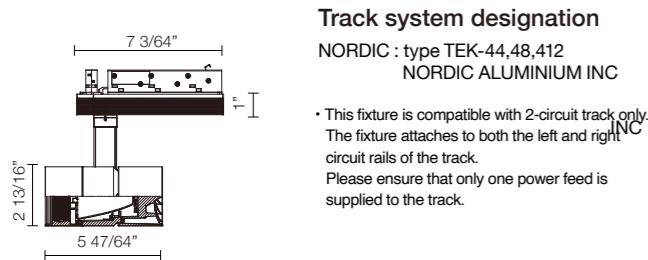
# MMP-100S/1H



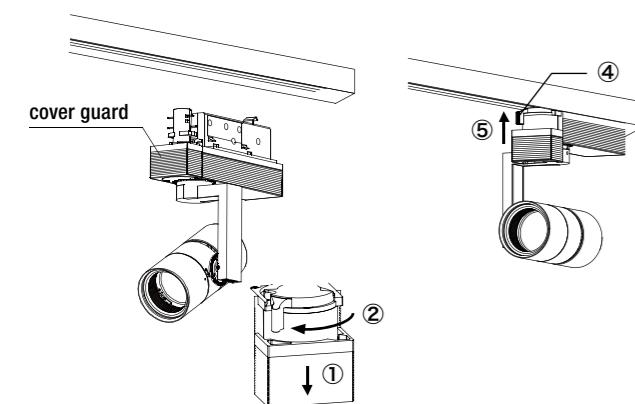
### Products Specifications

• Input Voltage	AC120V
• Power consumption	39.9W(AC120V)
• Luminance flux	2,819 ~ 3,106lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.8 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.334A (120V)
• Aiming distance	0.3m (11 13/16in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Product code

[ ex : 10° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-100S/1H/W/1N/N/30B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticaton
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	---------------

#### ◎ NORDIC type

Dimming | Non-dimming

White	MMP-100S/1H/W/1N/N.M/30B27.30.35.40/N1/2
Matte black	MMP-100S/1H/M/1N/N.M/30B27.30.35.40/N1/2
Silver	MMP-100S/1H/S/1N/N.M/30B27.30.35.40/N1/2



### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-100/DF01



Full-spread lens filter  
MLA-100/SF01



Edge-control lens filter  
MLA-100/EC02



Semi-Diffuser lens filter  
MLA-100/DS02



Semi-Spread lens filter  
MLA-100/SS01

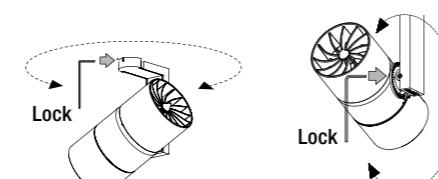


Sharpener lens filter  
MLA-100/SH01



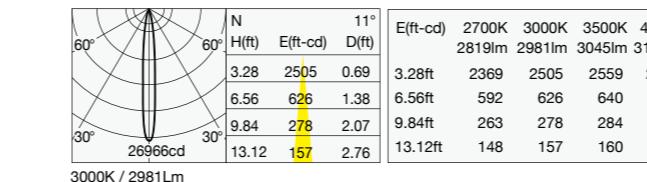
### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

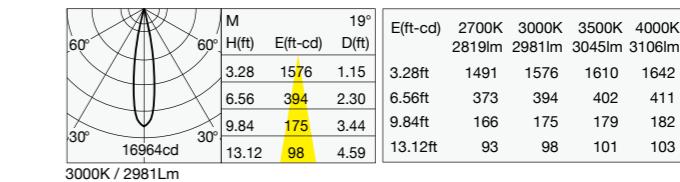


### Light distribution

#### Narrow : 11°

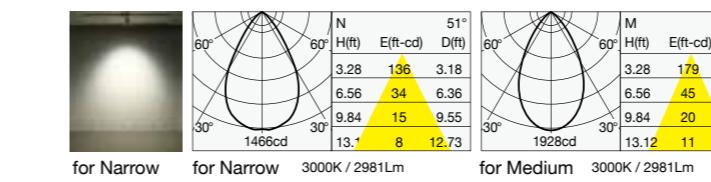


#### Medium : 19°

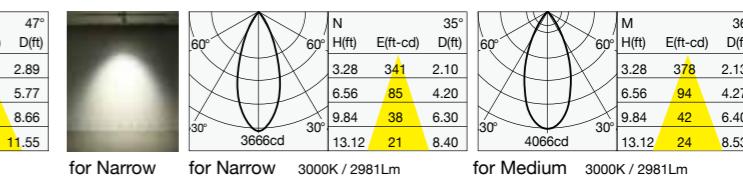


### Light distribution

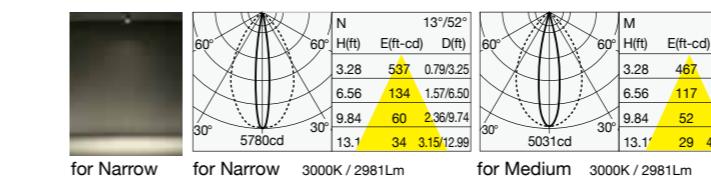
#### Full-Diffuser lens filter | MLA-100/DF01



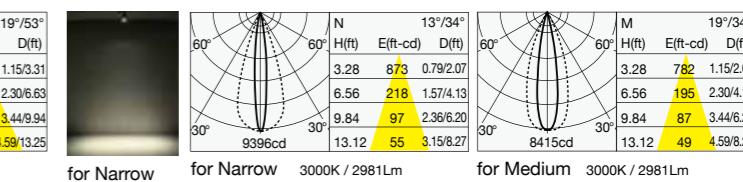
#### Semi-Diffuser lens filter | MLA-100/DS02



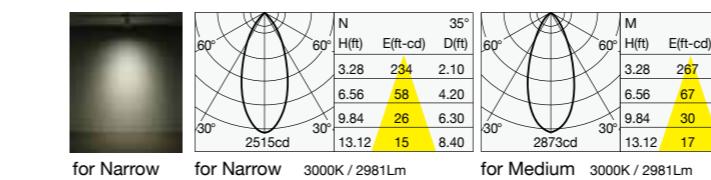
#### Full-spread lens filter | MLA-100/SF01



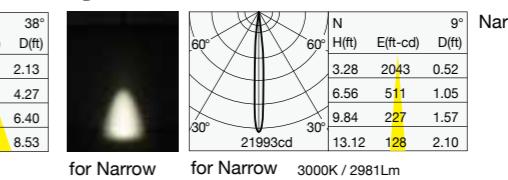
#### Semi-Spread lens filter | MLA-100/SS01



#### Edge-control lens filter | MLA-100/EC02



#### Sharpener lens filter | MLA-100/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

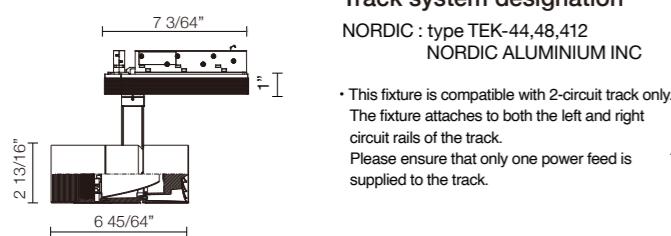
# MMP-100S/3H



### Products Specifications

• Input Voltage	AC120V
• Power consumption	39.9W(AC120V)
• Luminance flux	2,819 ~ 3,106 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.84 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.334A (120V)
• Aiming distance	0.3m (11 13/16 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size

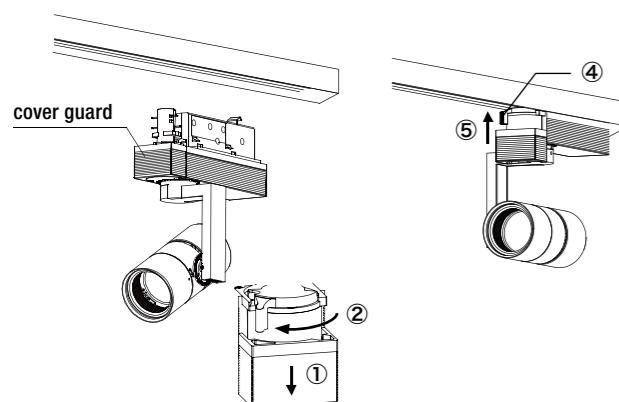


### Track system designation

NORDIC : type TEK-44,48,412  
NORDIC ALUMINUM INC

- This fixture is compatible with 2-circuit track only. The fixture attaches to both the left and right circuit rails of the track.
- Please ensure that only one power feed is supplied to the track.

### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Product code

[ ex : 30° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-100S/3H/W/1N/N/30B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

#### ◎ NORDIC type

#### Dimming | Non-dimming

White	MMP-100S/3H/W/1N/N.M/30B27.30.35.40/N1/2
Matte black	MMP-100S/3H/M/1N/N.M/30B27.30.35.40/N1/2
Silver	MMP-100S/3H/S/1N/N.M/30B27.30.35.40/N1/2



### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-100/DF01



Semi-Diffuser lens filter  
MLA-100/DS02



Full-spread lens filter  
MLA-100/SF01



Semi-Spread lens filter  
MLA-100/SS01



Edge-control lens filter  
MLA-100/EC02

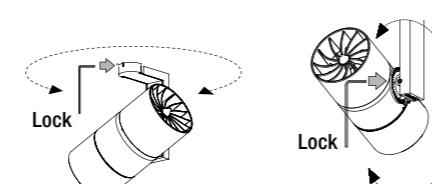


Sharpener lens filter  
MLA-100/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

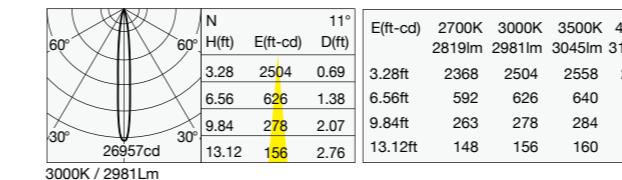


- ① Pull down the cover guard.  
② Rotate the gear lever.

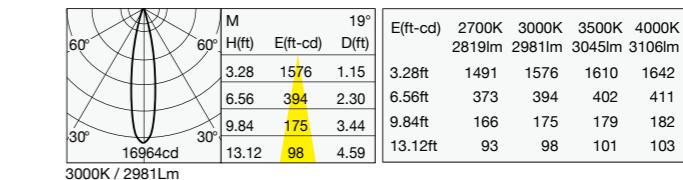
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

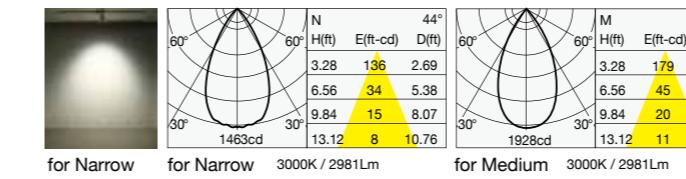


#### Medium : 19°

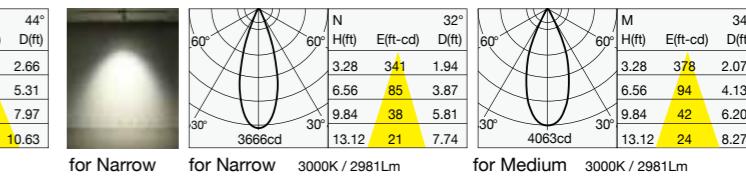


### Light distribution

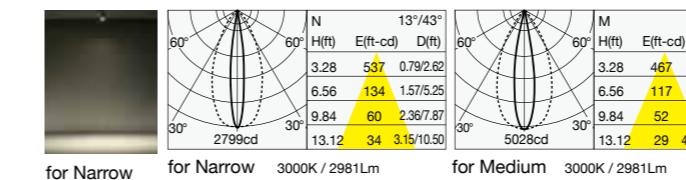
#### Full-Diffuser lens filter | MLA-100/DF01



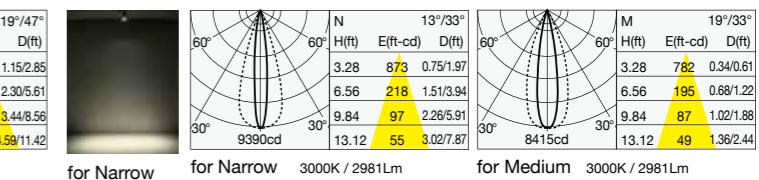
#### Semi-Diffuser lens filter | MLA-100/DS02



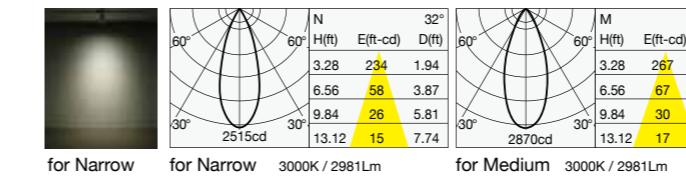
#### Full-spread lens filter | MLA-100/SF01



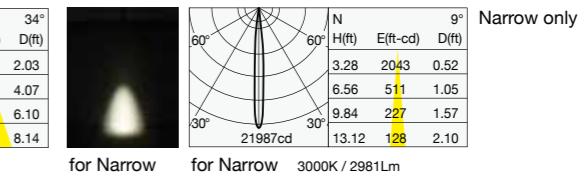
#### Semi-Spread lens filter | MLA-100/SS01



#### Edge-control lens filter | MLA-100/EC02



#### Sharpener lens filter | MLA-100/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



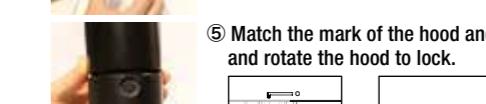
- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ACCENT | Track light

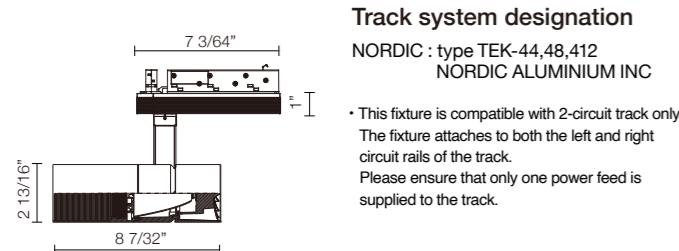
# MMP-100S/5H



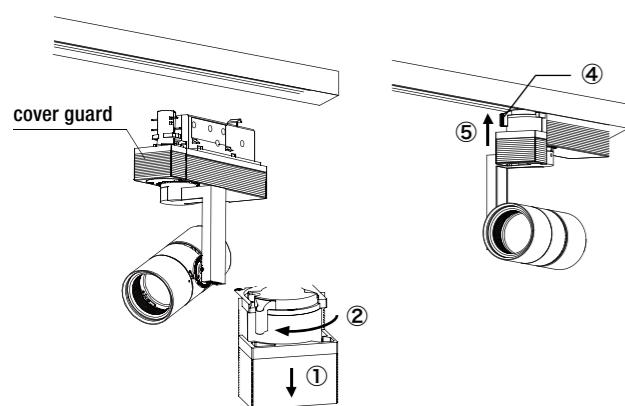
### Products Specifications

• Input Voltage	AC120V
• Power consumption	39.9W(AC120V)
• Luminance flux	2,819 ~ 3,106 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.94 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.334A (120V)
• Aiming distance	0.3m (11 13/16 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 50° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-100S/5H/W/1N/N/30B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticaton
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	---------------

#### ◎ NORDIC type

Dimming | Non-dimming

White	MMP-100S/5H/W/1N/N.M/30B27.30.35.40/N1/2
Matte black	MMP-100S/5H/M/1N/N.M/30B27.30.35.40/N1/2
Silver	MMP-100S/5H/S/1N/N.M/30B27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-100/DF01



Semi-Diffuser lens filter  
MLA-100/DS02



Full-spread lens filter  
MLA-100/SF01



Semi-Spread lens filter  
MLA-100/SS01



Edge-control lens filter  
MLA-100/EC02

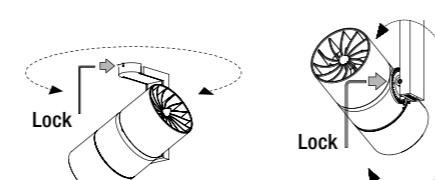


Sharpener lens filter  
MLA-100/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

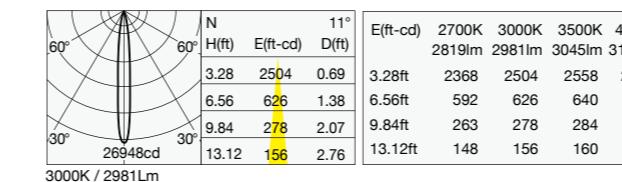


- ① Pull down the cover guard.  
② Rotate the gear lever.

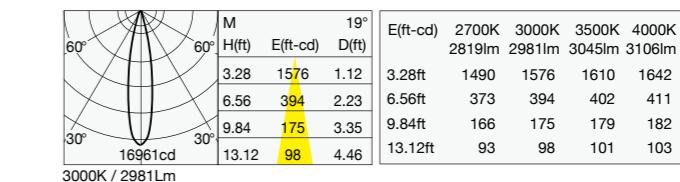
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

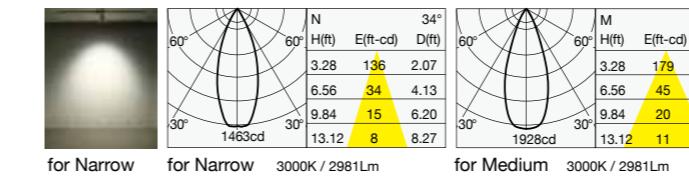


#### Medium : 19°

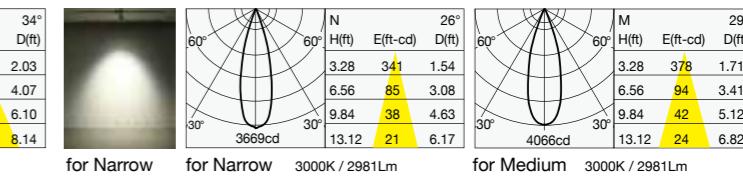


### Light distribution

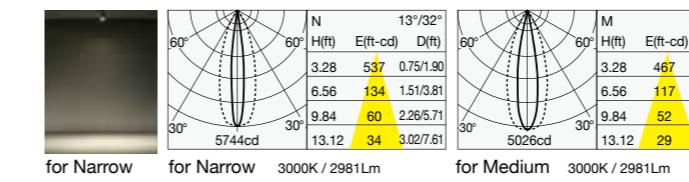
#### Full-Diffuser lens filter | MLA-100/DF01



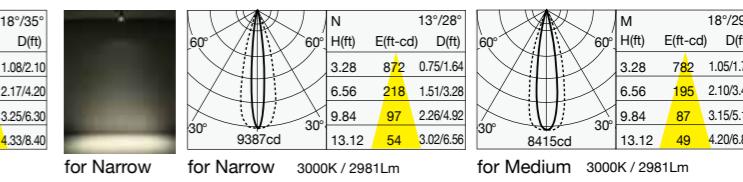
#### Semi-Diffuser lens filter | MLA-100/DS02



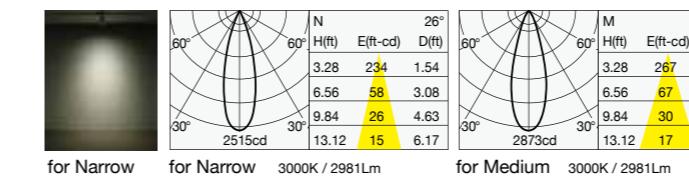
#### Full-spread lens filter | MLA-100/SF01



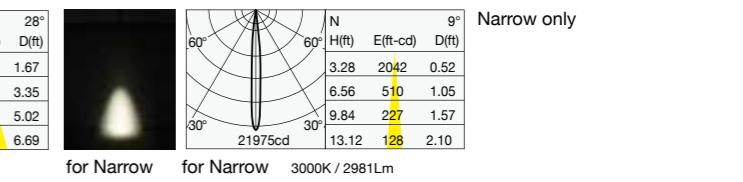
#### Semi-Spread lens filter | MLA-100/SS01



#### Edge-control lens filter | MLA-100/EC02



#### Sharpener lens filter | MLA-100/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



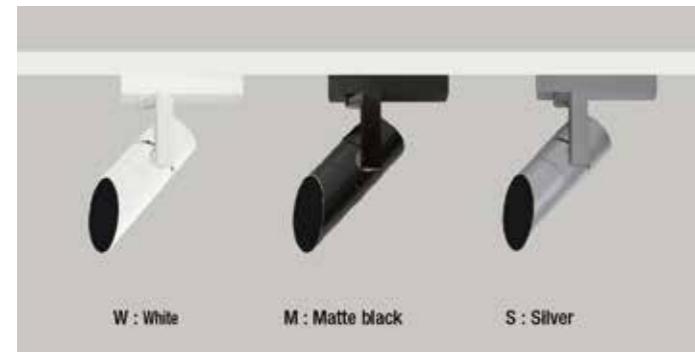
- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ACCENT | Track light

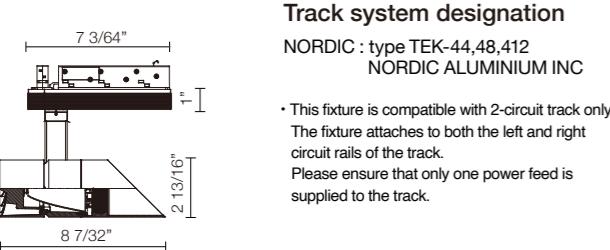
# MMP-100S/SH



### Products Specifications

• Input Voltage	AC120V
• Power consumption	39.9W(AC120V)
• Luminance flux	2,819 ~ 3,106 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	1.88 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	0.334A (120V)
• Aiming distance	0.3m (11 13/16 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size

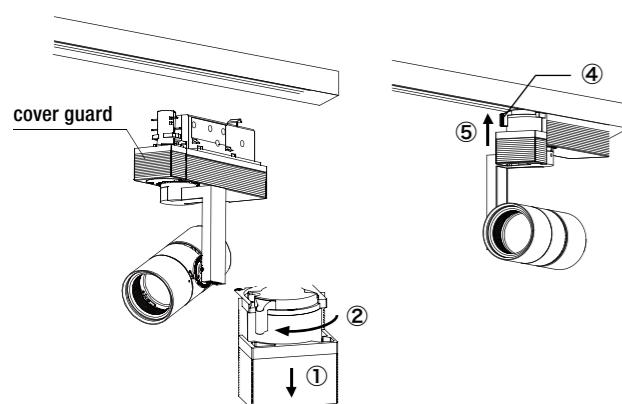


### Track system designation

NORDIC : type TEK-44,48,412  
NORDIC ALUMINUM INC

- This fixture is compatible with 2-circuit track only. The fixture attaches to both the left and right circuit rails of the track.
- Please ensure that only one power feed is supplied to the track.

### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : Slant hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-100S/SH/W/1N/N/30B 30/N1/2

Basic Product Series Hood Color Track type Light distribution Light source Color temperature Driver type Authentication

◎ NORDIC type  
Dimming | Non-dimming

White	MMP-100S/SH/W/1N/N.M/30B27.30.35.40/N1/2
Matte black	MMP-100S/SH/M/1N/N.M/30B27.30.35.40/N1/2
Silver	MMP-100S/SH/S/1N/N.M/30B27.30.35.40/N1/2

### Additional Accesaries

#### Lens Filter

Full-Diffuser lens filter  
MLA-100/DF01



Semi-Diffuser lens filter  
MLA-100/DS02



Full-spread lens filter  
MLA-100/SF01



Semi-Spread lens filter  
MLA-100/SS01



Edge-control lens filter  
MLA-100/EC02

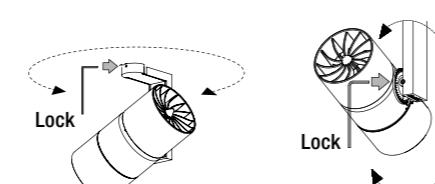


Sharpener lens filter  
MLA-100/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

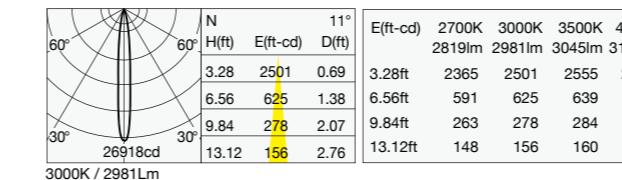


- ① Pull down the cover guard.  
② Rotate the gear lever.

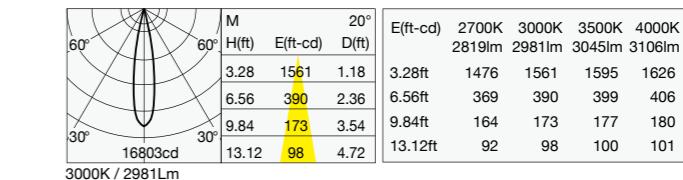
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

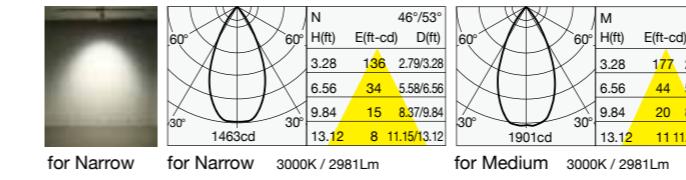


#### Medium : 20°

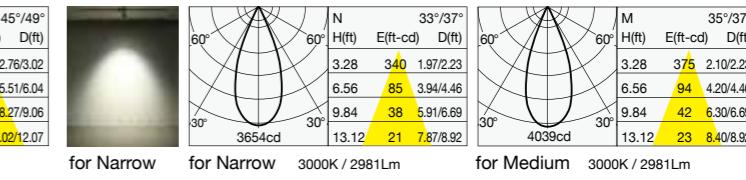


### Light distribution

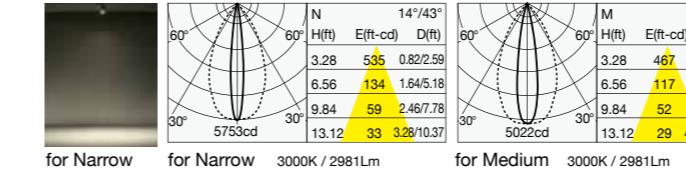
#### Full-Diffuser lens filter | MLA-100/DF01



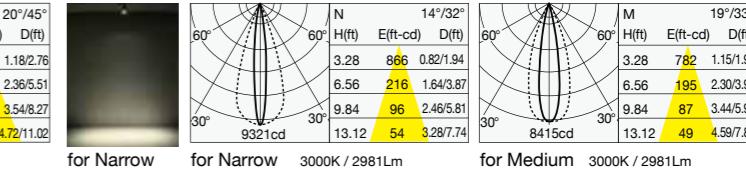
#### Semi-Diffuser lens filter | MLA-100/DS02



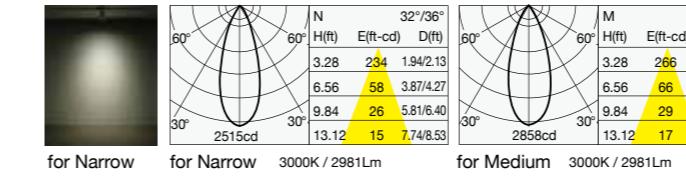
#### Full-spread lens filter | MLA-100/SF01



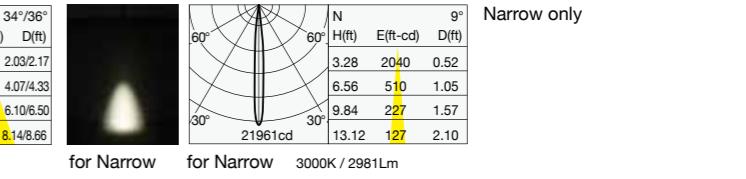
#### Semi-Spread lens filter | MLA-100/SS01



#### Edge-control lens filter | MLA-100/EC02



#### Sharpener lens filter | MLA-100/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Accent downlight

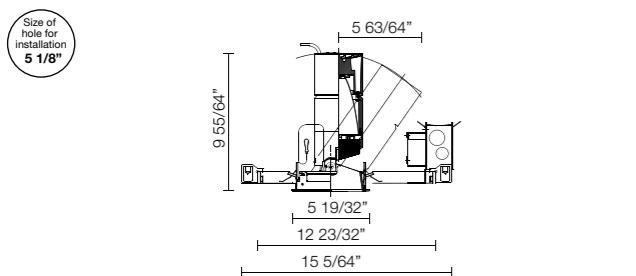
# MMP-130A



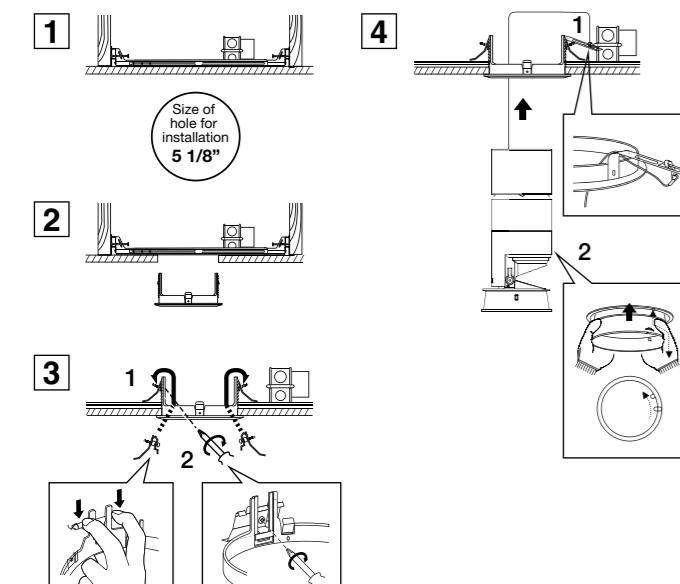
### Products Specifications

• Input Voltage	AC120 ~ 277V
• Power consumption	52.0W(AC120V) / 50.9W(AC277V)
• Luminance flux	4,161 ~ 4,577 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	7.20 lbs
• Light distribution	Narrow (11°) Medium (19°)
• Input current	1.2A
• Aiming distance	0.3m (11 13/16 in)
• Ceiling thickness	23/64 ~ 63/64 in
• Tilting angle	35°
• Filter lighting®	2 Filters

### Size



### Installation



### Product code

[Ex : Chrome cone /White trim / Narrow 11° / 3000K ]

### MMP-130A/CC/SWF/N/40B 30/Z1/ 2

Basic Product Series	Cone color	Trim color	Light distribution	Light source	Color temperature	Driver type	Authentications
○ Dimming   0-10V   10-100%							
White	MMP-130A/WC/SWF/N.M/40B27.30.35.40/Z1/2						
Matte black	MMP-130A/MC/SWF.SMF/N.M/40B27.30.35.40/Z1/2						
Chrome	MMP-130A/CC/SWF.SMF/N.M/40B27.30.35.40/Z1/2						



### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-130/DF01



Semi-Diffuser lens filter  
MLA-130/DS02



Full-spread lens filter  
MLA-130/SF01



Semi-Spread lens filter  
MLA-130/SS01



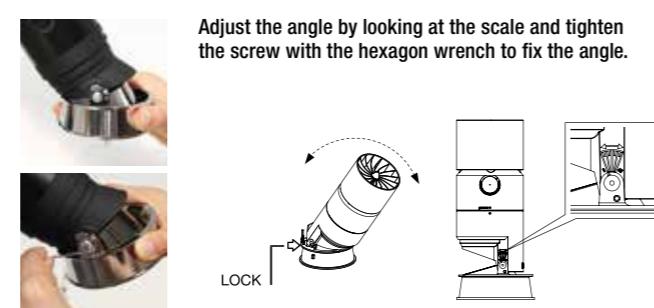
Edge-control lens filter  
MLA-130/EC02



Sharpener lens filter  
MLA-130/SH01



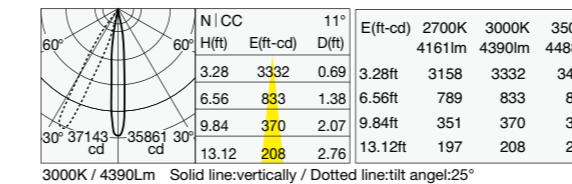
### How to do tilt lock



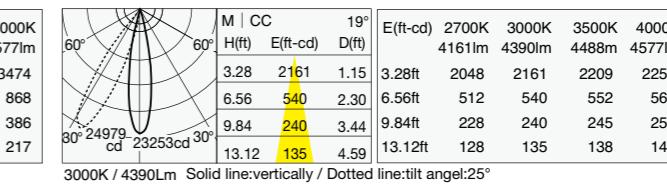
Adjust the angle by looking at the scale and tighten the screw with the hexagon wrench to fix the angle.

### Light distribution (for Chrome cone)

#### Narrow : 11°

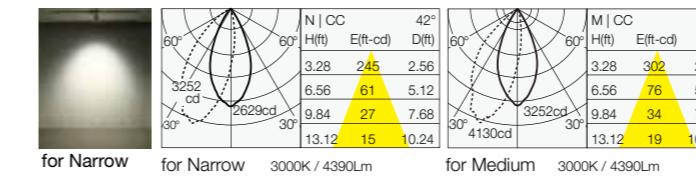


#### Medium : 19°

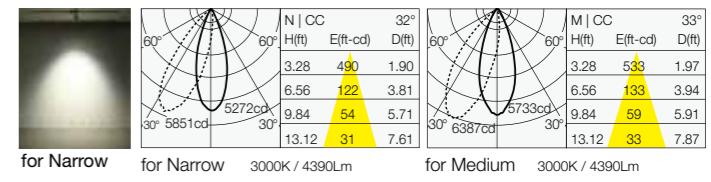


### Light distribution (for Chrome cone) with Filter lighting®

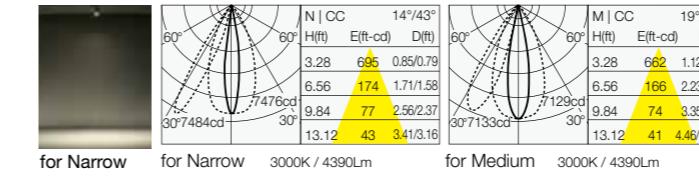
#### Full-Diffuser lens filter | MLA-130/DF01



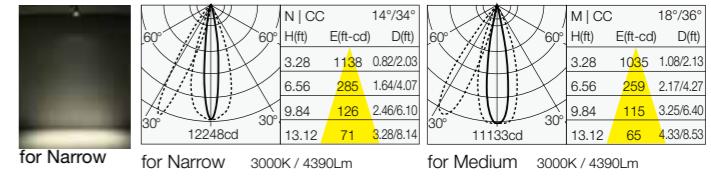
#### Semi-Diffuser lens filter | MLA-130/DS02



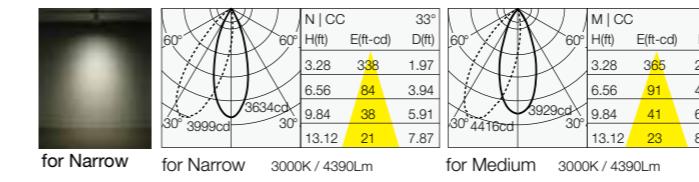
#### Full-spread lens filter | MLA-130/SF01



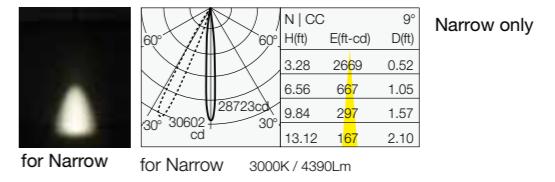
#### Semi-Spread lens filter | MLA-130/SS01



#### Edge-control lens filter | MLA-130/EC02



#### Sharpener lens filter | MLA-130/SH01



### The attachment of the filters

① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.

② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.

③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.

④ Put back the option holder to the hood.

⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

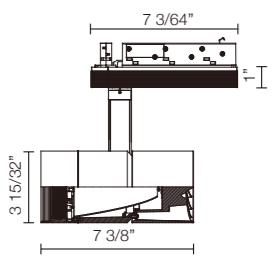
# MMP-130S/1H



### Products Specifications

• Input Voltage	AC120V
• Power consumption	53.9W(AC120V)
• Luminance flux	4,161 ~ 4,577 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	2.34 lbs
• Light distribution	Narrow (11°) Medium (18°)
• Input current	0.454A (120V)
• Aiming distance	0.3m (11 13/16 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size

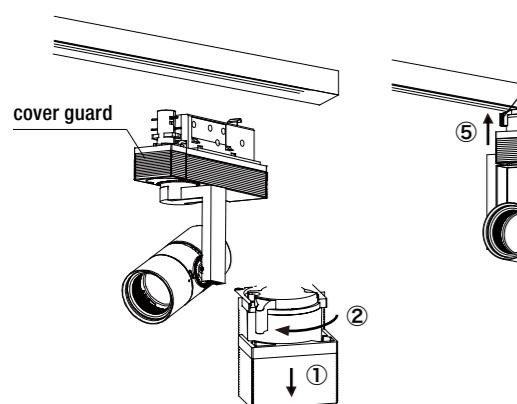


### Track system designation

NORDIC : type TEK-44,48,412  
NORDIC ALUMINUM INC

- This fixture is compatible with 2-circuit track only.
- The fixture attaches to both the left and right circuit rails of the track.
- Please ensure that only one power feed is supplied to the track.

### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 10° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-130S/1H/W/1N/N/40B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

#### ◎ NORDIC type

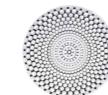
Dimming | Non-dimming

- |             |  |
|-------------|--|
| White       | MMP-130S/1H/W/1N/N.M/40B27.30.35.40/N1/2 |
| Matte black | MMP-130S/1H/M/1N/N.M/40B27.30.35.40/N1/2 |
| Silver      | MMP-130S/1H/S/1N/N.M/40B27.30.35.40/N1/2 |

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-130/DF01



Full-spread lens filter  
MLA-130/SF01



Edge-control lens filter  
MLA-130/EC02



Semi-Diffuser lens filter  
MLA-130/DS02



Semi-Spread lens filter  
MLA-130/SS01

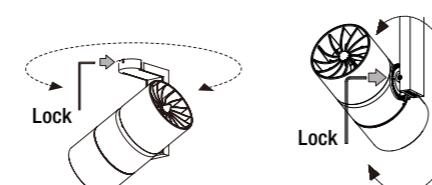


Sharpener lens filter  
MLA-130/SH01



### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

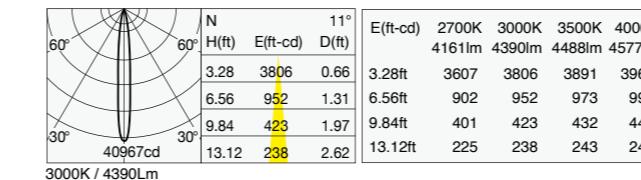


- ① Pull down the cover guard.  
② Rotate the gear lever.

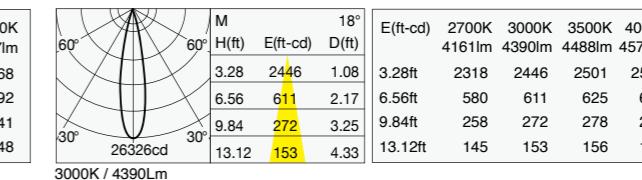
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

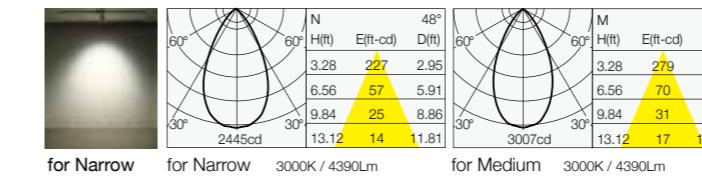


#### Medium : 18°

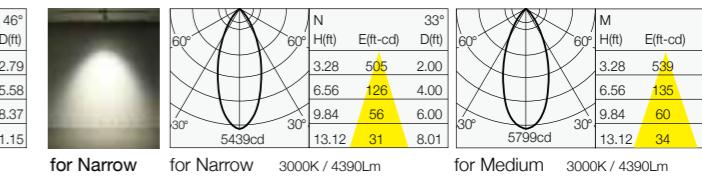


### Light distribution with Filter lighting®

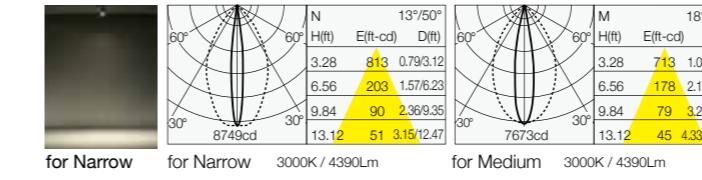
#### Full-Diffuser lens filter | MLA-130/DF01



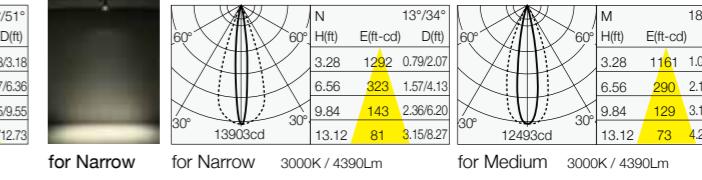
#### Semi-Diffuser lens filter | MLA-130/DS02



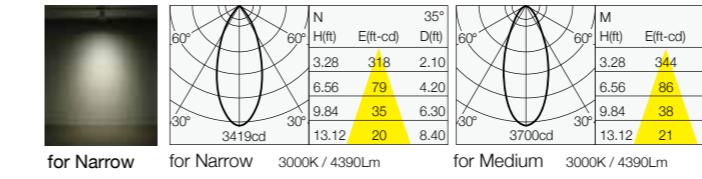
#### Full-spread lens filter | MLA-130/SF01



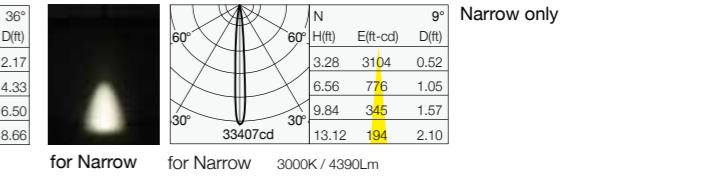
#### Semi-Spread lens filter | MLA-130/SS01



#### Edge-control lens filter | MLA-130/EC02



#### Sharpener lens filter | MLA-130/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



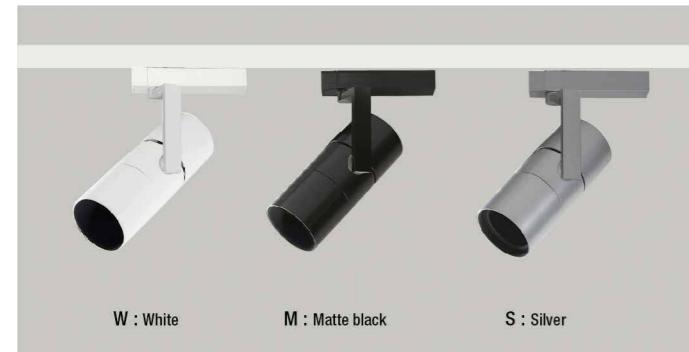
- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

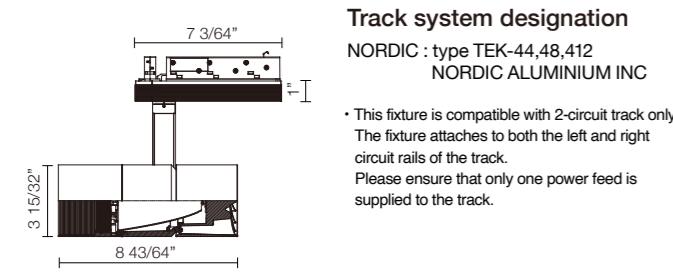
# MMP-130S/3H



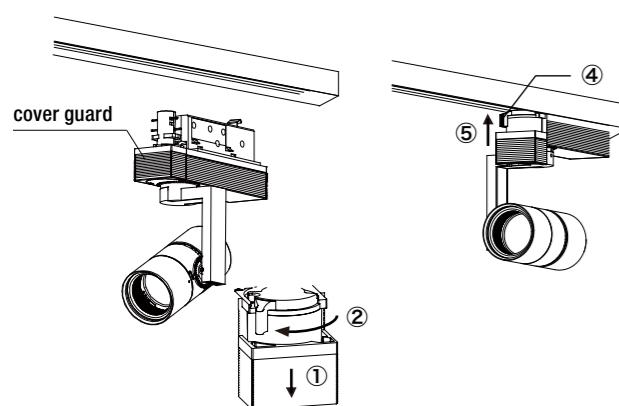
### Products Specifications

- Input Voltage AC120V
- Power consumption 53.9W(AC120V)
- Luminance flux 4,161 ~ 4,577 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 2.40 lbs
- Light distribution Narrow (11°) Medium (18°)
- Input current 0.454A (120V)
- Aiming distance 0.3m (11 13/16 in)
- Tilting angle 100°
- Filter lighting® 2 Filters

### Size



### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 30° hood / White / NORDIC type / Narrow 11° / 3000K ]

## MMP-130S/3H/W/1N/N/40B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticaton
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	---------------

### ◎NORDIC type

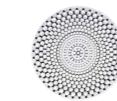
#### Dimming | Non-dimming

- White MMP-130S/3H/W/1N/N.M/40B27.30.35.40/N1/2
- Matte black MMP-130S/3H/M/1N/N.M/40B27.30.35.40/N1/2
- Silver MMP-130S/3H/S/1N/N.M/40B27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

- Full-Diffuser lens filter  
MLA-130/DF01



- Full-spread lens filter  
MLA-130/SF01



- Edge-control lens filter  
MLA-130/EC02



- Semi-Diffuser lens filter  
MLA-130/DS02



- Semi-Spread lens filter  
MLA-130/SS01

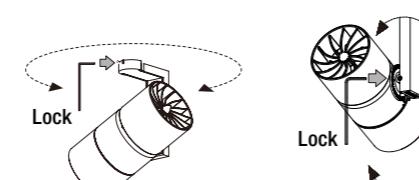


- Sharpener lens filter  
MLA-130/SH01



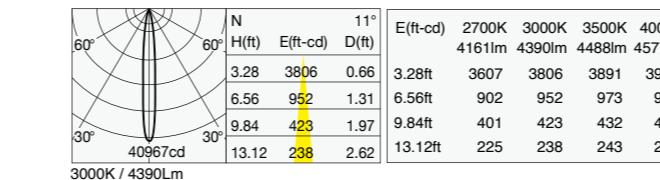
### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

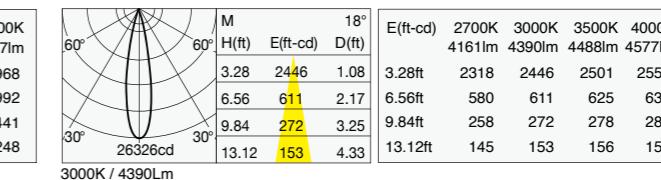


### Light distribution

#### Narrow : 11°

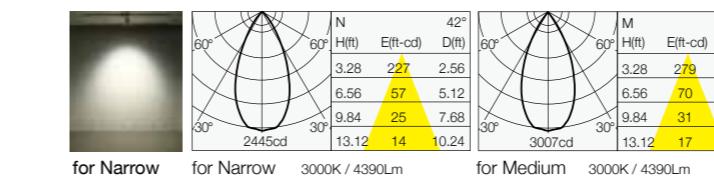


#### Medium : 18°

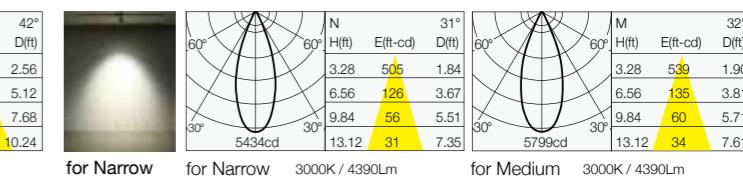


### Light distribution with Filter lighting®

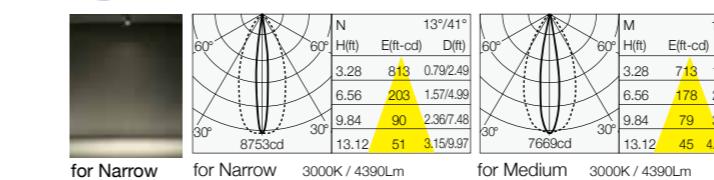
#### Full-Diffuser lens filter | MLA-130/DF01



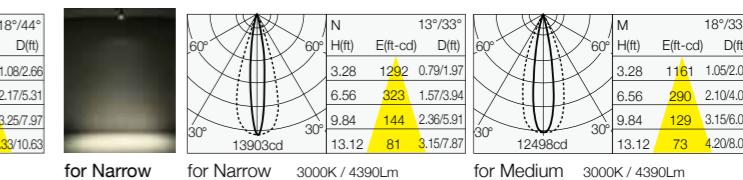
#### Semi-Diffuser lens filter | MLA-130/DS02



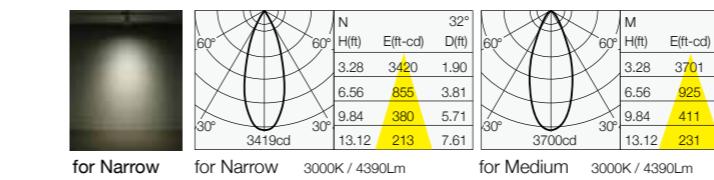
#### Full-spread lens filter | MLA-130/SF01



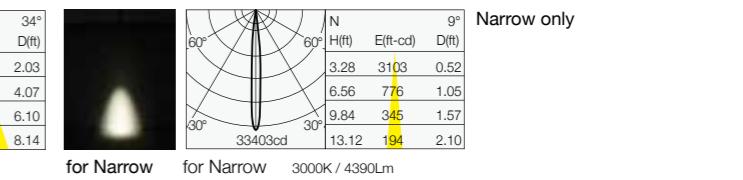
#### Semi-Spread lens filter | MLA-130/SS01



#### Edge-control lens filter | MLA-130/EC02



#### Sharpener lens filter | MLA-130/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ACCENT | Track light

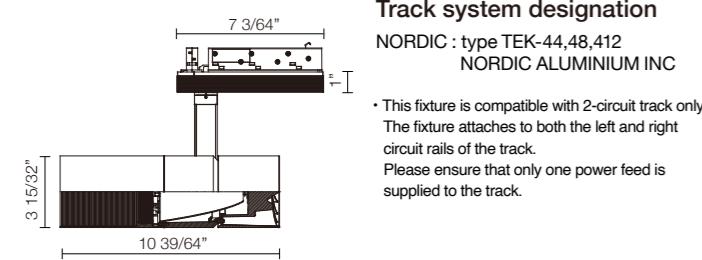
# MMP-130S/5H



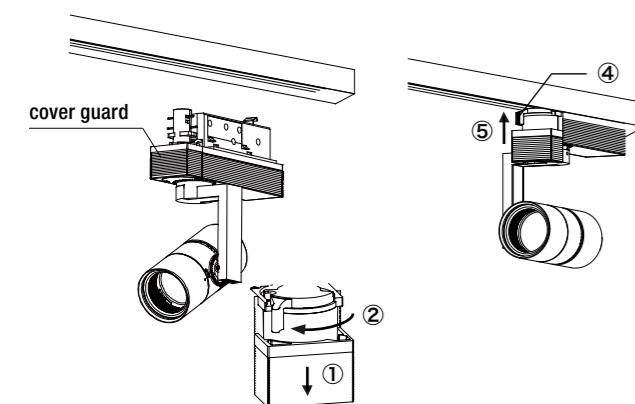
### Products Specifications

• Input Voltage	AC120V
• Power consumption	53.9W(AC120V)
• Luminance flux	4,161 ~ 4,577 lm
• Color rendering	CRI (Ra)=93(typ)
• Fixture's weight	2.58 lbs
• Light distribution	Narrow (11°) Medium (18°)
• Input current	0.454A (120V)
• Aiming distance	0.3m (11 13/16 in)
• Tilting angle	100°
• Filter lighting®	2 Filters

### Size



### Installation



- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.



### Product code

[ ex : 50° hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-130S/5H/W/1N/N/40B 30/N1/2

Basic Product Series	Hood	Color	Track type	Light distribution	Light source	Color temperature	Driver type	Authenticity
----------------------	------	-------	------------	--------------------	--------------	-------------------	-------------	--------------

#### ◎ NORDIC type

#### Dimming | Non-dimming

White	MMP-130S/5H/W/1N/N.M/40B27.30.35.40/N1/2
Matte black	MMP-130S/5H/M/1N/N.M/40B27.30.35.40/N1/2
Silver	MMP-130S/5H/S/1N/N.M/40B27.30.35.40/N1/2

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-130/DF01



Full-spread lens filter  
MLA-130/SF01

Semi-Diffuser lens filter  
MLA-130/DS02



Semi-Spread lens filter  
MLA-130/SS01



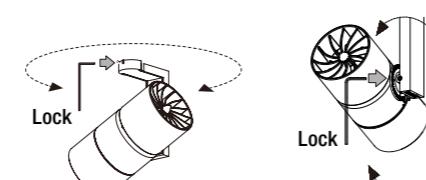
Edge-control lens filter  
MLA-130/EC02



Sharpener lens filter  
MLA-130/SH01

### How to do tilt lock / pan lock

Each angle can be locked by allen wrench attached.

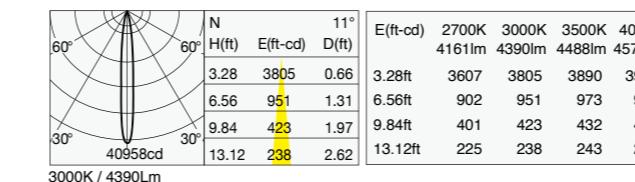


- ① Pull down the cover guard.  
② Rotate the gear lever.

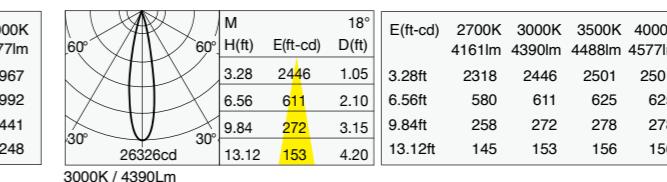
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

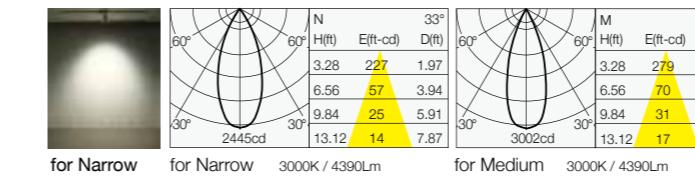


#### Medium : 18°

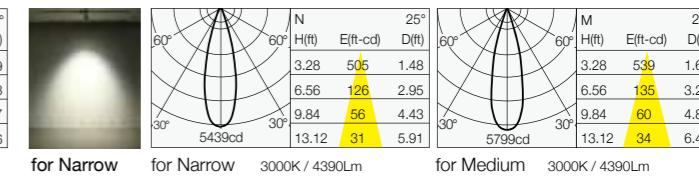


### Light distribution with Filter lighting®

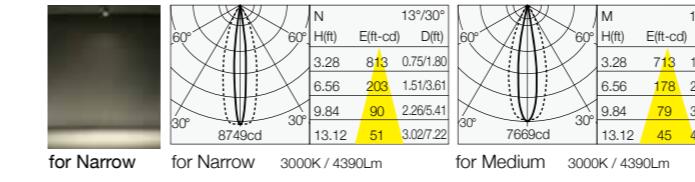
#### Full-Diffuser lens filter | MLA-130/DF01



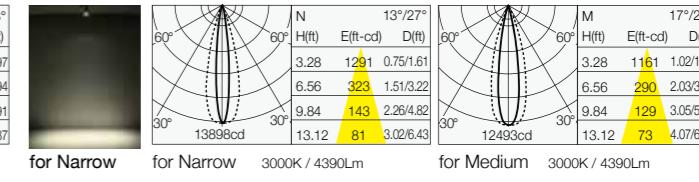
#### Semi-Diffuser lens filter | MLA-130/DS02



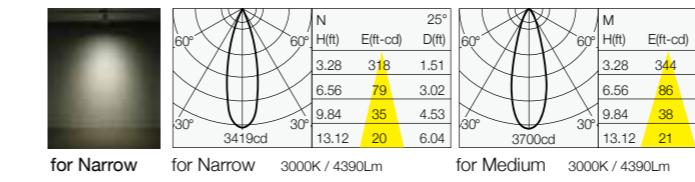
#### Full-spread lens filter | MLA-130/SF01



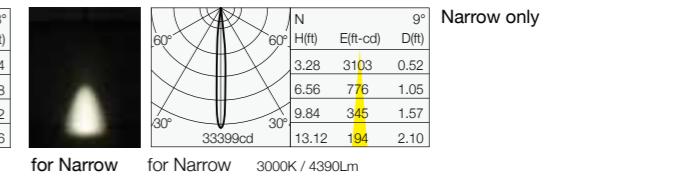
#### Semi-Spread lens filter | MLA-130/SS01



#### Edge-control lens filter | MLA-130/EC02



#### Sharpener lens filter | MLA-130/SH01



### The attachment of the filters



- ① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.



- ② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.



- ③ Put the filter into the hood.  
※ up to 2 filters can be inserted.  
※ The sharpener lens are counted as 2 lens.



- ④ Put back the option holder to the hood.



- ⑤ Match the mark of the hood and the body and rotate the hood to lock.

## ▲ ACCENT | Track light

# MMP-130S/SH



### Product code

[ ex : Slant hood / White / NORDIC type / Narrow 11° / 3000K ]

### MMP-130S/SH/W/1N/N/40B 30/N1/2

Basic Product Series Hood Color Track type Light distribution Light source Color temperature Driver type Authentication

#### ◎ NORDIC type

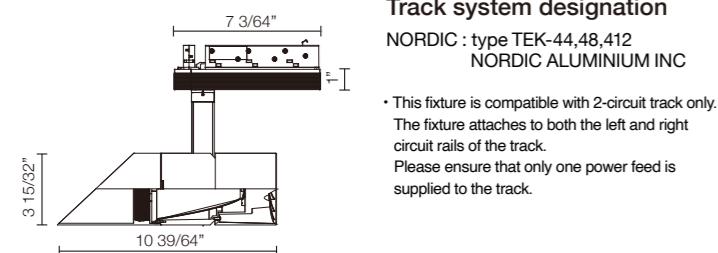
Dimming | Non-dimming

- White MMP-130S/SH/W/1N/N.M/40B27.30.35.40/N1/2
- Matte black MMP-130S/SH/M/1N/N.M/40B27.30.35.40/N1/2
- Silver MMP-130S/SH/S/1N/N.M/40B27.30.35.40/N1/2

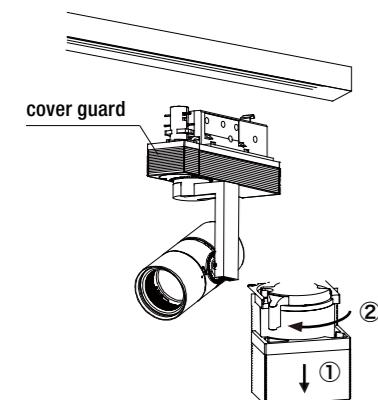
### Products Specifications

- Input Voltage AC120V
- Power consumption 53.9W(AC120V)
- Luminance flux 4,161 ~ 4,577 lm
- Color rendering CRI (Ra)=93(typ)
- Fixture's weight 2.47 lbs
- Light distribution Narrow (11°) Medium (18°)
- Input current 0.454A (120V)
- Aiming distance 0.3m (11 13/16 in)
- Tilting angle 100°
- Filter lighting® 2 Filters

### Size



### Installation



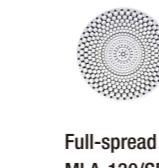
- ① Pull down the cover guard.  
② Rotate the gear lever.

- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Additional Accesaries

#### • Lens Filter

Full-Diffuser lens filter  
MLA-130/DF01



Full-spread lens filter  
MLA-130/SF01

Edge-control lens filter  
MLA-130/EC02



Semi-Diffuser lens filter  
MLA-130/DS02



Semi-Spread lens filter  
MLA-130/SS01

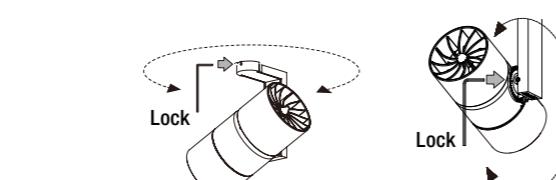


Sharpener lens filter  
MLA-130/SH01



### How to do tilt lock / pan lock

Each angle can be locked by alien wrench attached.

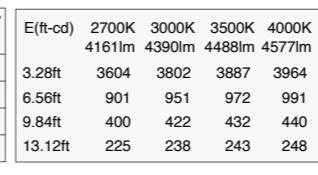
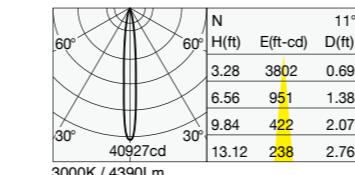


- ① Pull down the cover guard.  
② Rotate the gear lever.

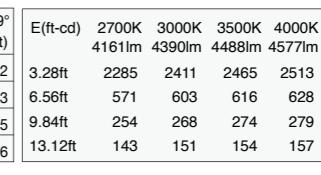
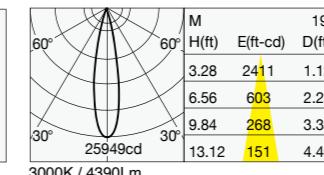
- ③ Push the driver box against the lighting rail.  
④ Rotate the gear lever and lock it.  
⑤ Push up the cover guard.

### Light distribution

#### Narrow : 11°

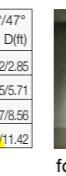
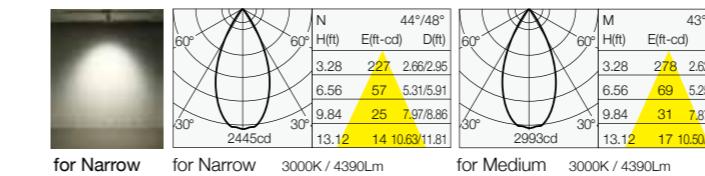


#### Medium : 19°

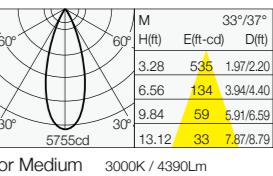
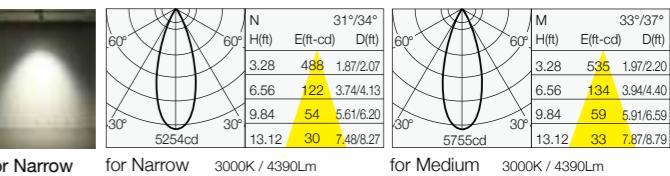


### Light distribution with Filter lighting®

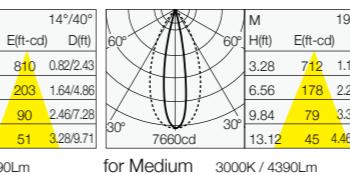
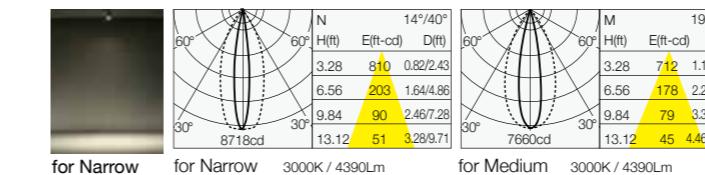
#### Full-Diffuser lens filter | MLA-130/DF01



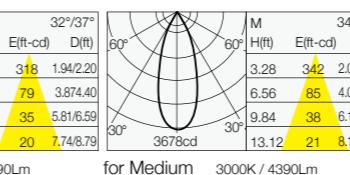
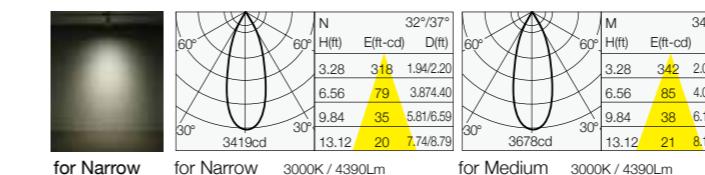
#### Semi-Diffuser lens filter | MLA-130/DS02



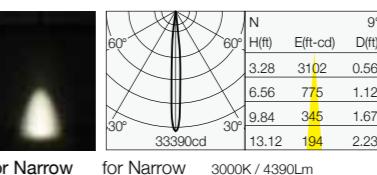
#### Full-spread lens filter | MLA-130/SF01



#### Edge-control lens filter | MLA-130/EC02



#### Sharpener lens filter | MLA-130/SH01



### The attachment of the filters

① Remove the lock by sliding the body along the arrow direction, and detach the hood from the body.

② Rotate the option holder in the hood along the arrow direction and take the option holder out from the hood.

③ Put the filter into the hood.

\* up to 2 filters can be inserted.

\* The sharpener lens are counted as 2 lens.

④ Put back the option holder to the hood.

⑤ Match the mark of the hood and the body and rotate the hood to lock.



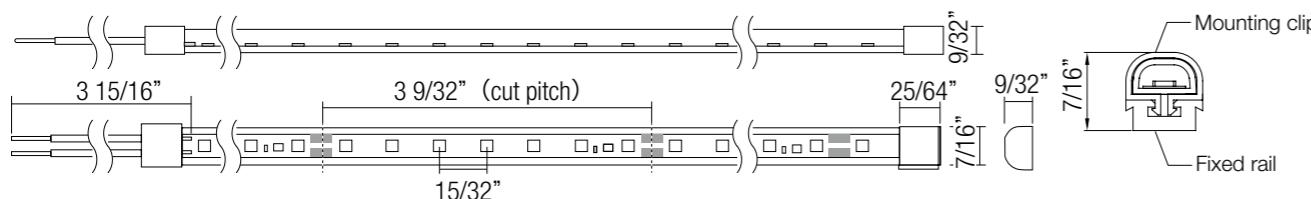


# ConsciLed

Linear Line light [ConsciLed]

LED linear line light was developed by NANOTECO Corporation which the compound semiconductor research group at The University of Electro-Communications has established. The integration with the technologies originated from the academic field enhances this LED linear line light's function and efficiency.

### □ Specifications



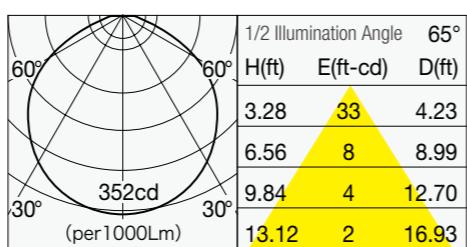
Input Voltage	DC24V (dedicated driver)
Energy Consumption	12W (per 39 3/8")
Consumption Efficiency	98.6 lm/W
Weight	30g (per 39 3/8")
Maximum Length of Straight Line Connection	Max.314 61/64" ●Voltage drop prevention circuit included
Dustproof/Driproof Performance	IP 65
Dimming Compatible	0-10V
Statement of Conformity/Standard	—
Product Warranty	Long-term 3 year warranty
Accessories	Mounting Clip (4pcs / per 39 3/8")

- The quantity of light per 39 3/8" is high such as maximum 1,234lm.
- Dimmable : 0-10V control type
- Long-term "3 year warranty"
- The width is only 7/16", so the installation in a limited space is possible.
- The voltage drop protection circuit is built in to prevent the nonuniformity of light.

### Color Temperature | Light Source Luminous Flux (lm/W) | General Color Rendering Index (Ra)

Color Temperature (K)	Light Source Luminous Flux (lm/W)	General Color Rendering Index (Ra)
2400	1,187	83 typical
2700	1,169	93 typical
3000	1,191	93 typical
3500	1,217	93 typical
4000	1,234	93 typical

### Light Distribution Data 3000K



### Product Item Number

MAE-CL/B30/1000/Z1/2

Product Type length (mm)  
Color Temperature version

### Sold Separately

	Fixed rail (mounting clip 4 pieces : supplied with the product)		Outer cover (Flat head)		End cap (Flat head) MAE-CFE/01
	Fixed rail (mounting clip 12 pieces : supplied with the product)		Outer cover (Round head)		End cap (Round head) MAE-CRE/01
	Mounting clip		Joint Spacer		Tilt bracket (4 pieces) MAE-CTB04/01

### Product Item Number

Length	2400K	2700K	3000K	3500K	4000K
19 11/16" (500 mm)	MAE-CL/B24/0500/Z1/2	MAE-CL/B27/0500/Z1/2	MAE-CL/B30/0500/Z1/2	MAE-CL/B35/0500/Z1/2	MAE-CL/B40/0500/Z1/2
39 3/8" (1000 mm)	MAE-CL/B24/1000/Z1/2	MAE-CL/B27/1000/Z1/2	MAE-CL/B30/1000/Z1/2	MAE-CL/B35/1000/Z1/2	MAE-CL/B40/1000/Z1/2
59 1/16" (1500 mm)	MAE-CL/B24/1500/Z1/2	MAE-CL/B27/1500/Z1/2	MAE-CL/B30/1500/Z1/2	MAE-CL/B35/1500/Z1/2	MAE-CL/B40/1500/Z1/2
78 47/64" (2000 mm)	MAE-CL/B24/2000/Z1/2	MAE-CL/B27/2000/Z1/2	MAE-CL/B30/2000/Z1/2	MAE-CL/B35/2000/Z1/2	MAE-CL/B40/2000/Z1/2
98 27/64" (2500 mm)	MAE-CL/B24/2500/Z1/2	MAE-CL/B27/2500/Z1/2	MAE-CL/B30/2500/Z1/2	MAE-CL/B35/2500/Z1/2	MAE-CL/B40/2500/Z1/2
118 7/64" (3000 mm)	MAE-CL/B24/3000/Z1/2	MAE-CL/B27/3000/Z1/2	MAE-CL/B30/3000/Z1/2	MAE-CL/B35/3000/Z1/2	MAE-CL/B40/3000/Z1/2

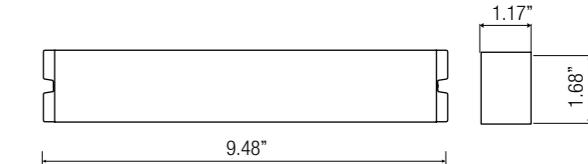
● The length can be selected every 3 9/32" from 3 9/32" to 118 1/16".

### Specifications of Driver

Driver Number 96W : OT96W/24V/UNV/DIM

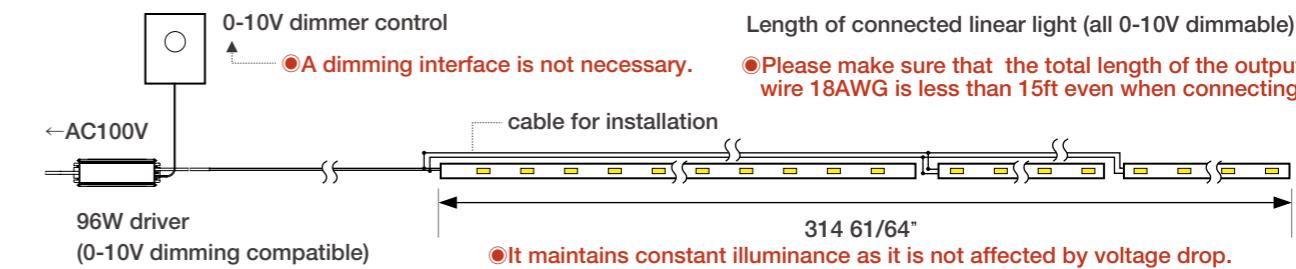
Driver size

OT96W/24V/UNV/DIM
Input Voltage 120-277V 50/60Hz
DC Output 24V 4A
Power Factor 0.95
Max. Output Voltage 96W
Weight 453g
Dustproof/Driproof Performance IP64
Dimming Compatible 0-10V
Statement of Conformity/Standard RoHS, RU, CSA



### Installation Guide

【EXAMPLE】 In case of connecting 78 47/64" of ConsciLed linear light to make 314 61/64" long



# Office locations

## ModuleX Inc.

A ModuleX HOLDINGS Group Company

### Head Office

1-20-6 Ebisu-Minami Shibuya-ku, Tokyo, Japan  
Tel : +81-3-3792-9111  
Fax : +81-3-5768-3690



### OSAKA branch

3-3-9 Kyutaromachi Chuo-ku Osaka-shi, Osaka  
Tel : +81-6-6121-7888  
Fax : +81-6-6121-7889



### FUKUOKA branch

1-8-30-1 Daimyo, Chuo-ku, Fukuoka, Japan  
Tel : +81-92-732-4211  
Fax : +81-92-732-4311



### ModuleX LIGHTING SOLUTION CENTER Kanazawa

Mori Building 101,2-177, Irie, Kanazawa-shi, Ishikawa  
Tel. +81-76-259-5620  
Fax : +81-76-259-5621



### ModuleX Factory

1-20-19 Horikiri, Katsushika-ku, Tokyo, Japan  
Tel : +81-3-5672-7712  
Fax : +81-3-5672-7736



### SINGAPORE

ModuleX LIGHTING SOLUTIONS (SINGAPORE) Pte. Ltd.  
47 Kallang Pudding Road , #11-01 Crescent@Kallang ,Singapore 349318  
Tel : +65 6221 5140



### Sale Representative in North America

Mosheo Corp  
2B Airport Drive Ext. Hopedale, MA 01747 U.S.A