

ConsciLed S-SHAPE 1000

constant spectrum

MAP-LEDCS10/5000-**K/A1/PRO
 ** are indicates each color temperature
 25/27/30/35(2500K/2700K/3000K/3500K)



Installation Guide

Product dimensions

unit[mm]

Specifications

Input voltage : DC24V
 Power consumption : 110W (22.0W/1m)
 Consumption efficiency : 47.74m/W
 Weigh : 3000g
 Dimming method :
 PWM control dimming method
 DALI(DT6) Control method
 dimmers : NTS-LC/S010V/01
 General color rendering index : Min90
 Dustproof and dripproof : IP67
 (Outdoor use permitted)

Min. bending/twist allowance

- hatting area is irradiated surface

Min. bending R140mm

Min. bending R150mm

Min. twist angle 360°/m

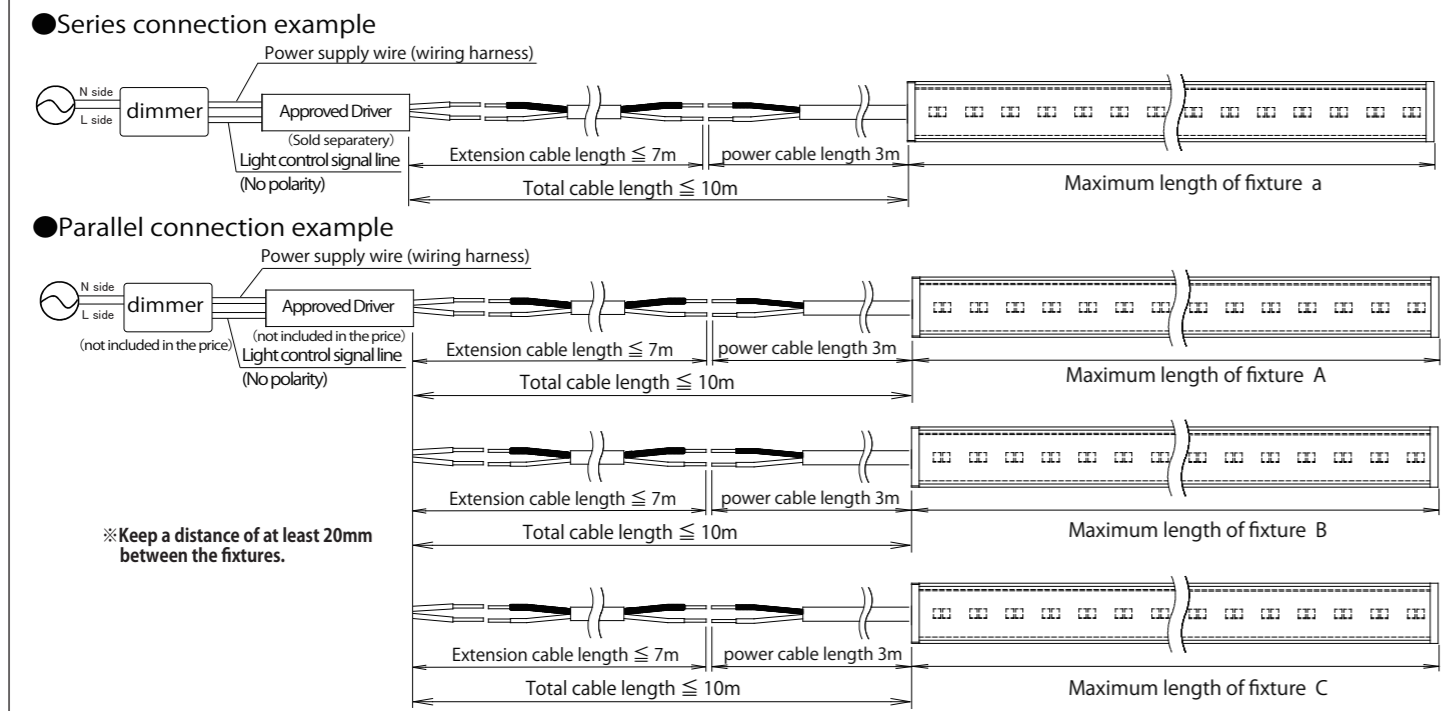
Accessory

- End cap(1 pc)
- Clip(20 pcs)
- Screw flat head M4 × 20(40 pcs)

◆ **Connectable Length / LED Drivers**

Maximum fixture length per power source (excluding wiring length)

Dedicated power supply	Maximum output power	Maximum series connection length (a, A, B, C)	Maximum parallel connection length (A + B + C)
NTC-E060CV0241	60W	2.4m	2.4m
NTC-E180CV0241	180W	5.0m(5006mm)	7.4m



※When extending the wiring harness, use a wire of AWG11 (equivalent to 4.169mm²) or thicker.
 The maximum length of extension is 7m. When using the product outdoors, be sure to use a dedicated outdoor cable (such as a cable cord).
 ※If you extend the length, the luminous flux of the fixture may decrease.

Thank you very much for choosing our product. Before using the product, please read this Installation Manual carefully.
 Please ask an electrical construction shop for the installation of this product.
 After the installation, please surely give this Installation Manual back to the user.

MAP-LEDCS10/5000-**K/A1/PRO

IMPORTANT SAFETY INSTRUCTIONS (PLEASE CHECK BEFORE INSTALLATION WORK)		
	⚠ Warning : Failure to install the fixture properly could result in personal injury.	⊘ : Prohibited
	⚠ Caution : Failure to install the fixture properly could result in property damage.	⚠ : Strict observance
Before installation	⚠ Warning	<p>Can not be used following condition (Causes of falling, electrocution and fire)</p> <ul style="list-style-type: none"> ● the temperature below -20°C, and above 40°C ● ceiling what not hold the weight of fixture ● near the fire ● place to receive the wind of air-conditioner ● on the floor (the place to receive direct load) ● place where dust or corrosive gas rises ● place to receive any damage or shock ● bathroom, sauna ● place to be splashed with water <p>(minimum dimensions) ※The dimensions are based on the temperature conditions of the fixture. ※When installing, please take into consideration the dimensions so that the fixture can be installed easily.</p> <p>※The clearance should be determined after carefully checking the dimensions of the fixture itself, end caps and mounting options.</p>
	⚠ Caution	<p>Please follow the fixtures' indication or specification for the distance of irradiated area. (Cause the deformation or discoloration of the irradiated object)</p>
Safety instruction	⚠ Warning	<p>Please be sure to turn off the power when you install the product, change the LED module and clean up the product. (Cause of broken DC LED Driver • electrification)</p>
	⊘	<p>Do not touch electric component in a LED module. (Cause of electrification)</p>
	⊘	<p>Do not use any other power supply than the compatible DC24V LED Driver (sold separately). (Cause the damage on LED module, smoke and/or damage on lighting circuit)</p> <p>Do not (1) pull the LED module forcefully, (2) twist the LED module, (3) press on the LED module, and (4) bend the LED module by the radius smaller than 50mm. (Cause of broken fixture • fire)</p>
For electric wiring	⚠ Warning	<p>Only the qualified person must do the electric work to avoid any accidents.</p>
	⚠	<p>Please follow rating plate of fixture for LED Driver frequency.</p>
	⚠	<p>Be sure LED Driver voltage is within ± 6% mentioned in rating plate or the guide. (Causes of short life of lamps • electrification • fire)</p>
	⚠	<p>Be sure all the wires and codes are not damaged. (Causes of falling • damage)</p>
When lighting fixture installation	⚠ Warning	<p>Please follow the fixtures' instruction or this guide to install the fixture and lamp. (Causes of falling • electrification • fire)</p>
	⚠	<p>Switch off the power when installing the lamp. (Causes of electrification)</p>
	⊘	<p>Do not touch the fixture during the operation or shortly after the turn-off, because the fixture will be very hot (cause of burns).</p>
	⊘	<p>Do not put any cloths, papers or heat insulators on the fixture (cause of no lighting or fire)</p>
	⊘	<p>Do not place any metallic or flammable objects. (Causes of electrification • fire • broken fixture)</p>
	⚠	<p>Make sure to install all the parts of fixtures besides installation and mounting parts will not touch with any objects both inside and outside of ceiling such as lighting track, etc. (Causes of falling • electrification • fire)</p>
	⊘	<p>Do not dismount or remodel fixtures. (Causes of electrification • fire • broken fixtures)</p>
	⊘	<p>Do not operate with wet hands. (Cause of electrification)</p>
	⚠	<p>if you smell smoke, see smoke, or find anything unusual, please turn the switch off and ask construction companies to repair. (Causes of electrification • fire)</p>
	⚠	<p>Please install by using immovable clips and rail (selling separately) when installing LED module. (Cause of falling)</p> <p>Do not put excessive weight for LED module. (Cause of broken fixture • falling)</p>
When you use	⚠ Caution	<p>Make sure the construction will not affect any fire prevention systems such as sprinkler by heat from the fixture. (Causes for improper operation)</p>
	⚠	<p>Please be careful there are cases when radio or television is disturbed by noises, if LED module light a lamp nearby the radio or television.</p>
	⚠	<p>Because of unevenness of LED chip, the emission color and the brightness of each product may be different even in the same product model.</p>
	⚠	<p>When dimming, there may be some noise from the equipment, but this is not a malfunction.</p>
	⚠	<p>The emission color and the brightness of LED chip may become uneven over time.</p> <p>When installed on the ceiling, wall or under the shelf, LED module must be installed without any slack.</p> <p>When using the dimmer, there may be a slight noise from the instrument, but this is not a malfunction..</p>

MAP-LEDCS10/5000-**K/A1/PRO

Installation Details	Installation Diagram	Caution
<p>Installing the Product</p> <p>Open the wire passing hole according to the figure on the right. Pass the wire harness through the hole.</p> <p>Fix the product with attached clips.</p>	<p>Wire passing hole</p> <p>● Screw flat head (Accessory or M4 screw)</p> <p>● Mounting hole pitch</p> <p>● End cap(1 pc)</p> <p>● Clip(20 pcs)</p> <p>● Screw flat head M4 × 20(40 pcs)</p>	<p>※The power cable should be bent at least 18mm from the fixture.</p> <p>※When installing the wire without passing it through the wire passing hole. Secure the space of 24mm or more from the product.</p> <p>Accessory</p>
<p>⚠ Install within the minimum bending/torsion tolerance.</p> <p>⚠ Do not install the product in a place it may be submerged.</p> <p>Use within 5m in series.</p> <p>⚠ When using 5m product, use "NTC-E180CV0241"</p>	<p>● [Installation using the Mounting clips]</p> <p>Screws are attached to the clip, but select the appropriate screw according to the material of the installation surface.</p>	<p>⚠ Do not place the end cap on the rail.</p> <p>⚠ When cutting curved mounting rails, use scissors for cutting stainless steel.</p> <p>⚠ To avoid the risk of falling, fix the fixture to the mounting rail while gently pulling it to prevent it from sagging.</p>
<p>Cutting method</p> <p>Cut at the position of free cutting area of the product using a suitable tool. After cutting the product, securely seal it with the attached End cap using an adhesive.</p>	<p>Do not cut the 35 mm wire harness side.</p> <p>Free cutting area</p> <p>Mall cutter, shears, etc.</p> <p>Adhesives for plastics AX-067 (not included in the price)</p> <p>Inject the full lower part of the two concave lines on the inner side.</p>	<p>Prepare a cutting tool such as a braid cutter or metal cutter with a long enough blade to cut the body. (Blade length: 30 mm or more)</p> <p>It is best to cut with the light-emitting side up and the cutting tool pointed straight at it.</p>
<p>⚠ Cut the product straight for proper sealing with the End cap.</p> <p>⚠ Prepare a cutting tool such as a braid cutter or metal cutter with a long enough blade to cut the body. (Blade length: 30 mm or more)</p> <p>⚠ Inject resin adhesive into the end cap and attach it to the end of the cut product to securely seal it. The adhesive needs 24-48 hours to fully cure. Properly cut and seal the product for waterproofing.</p>		

Installation Details	Installation Diagram																			
<p>Installing the Product</p> <p>[With the mounting options]</p> <p>Use optional straight or curved mounting rails and clips for upward mounting.</p>	<p>● [Installation procedure]</p> <p>① Fix the mounting rail or bracket to the mounting position using the screws provided with each optional product.</p> <p>② Attach the product to the fixed rail or bracket.</p> <p>● [Use Linear mounting rail]</p> <p>● [Use Bendable mounting rail]</p> <p>● [Use Mounting bracket]</p> <p>※Do not mount on the ceiling or wall</p> <p>※Use only in upward-facing installation</p>																			
<p>⚠ Install within the minimum bending/torsion tolerance.</p> <p>⚠ Cut the mounting rail according to the required length.</p> <p>⚠ Do not place the end cap on the rail.</p> <p>⚠ When cutting curved mounting rails, use scissors for cutting stainless steel.</p> <p>⚠ To avoid the risk of falling, fix the fixture to the mounting rail while gently pulling it to prevent it from sagging.</p>	<p>■ Dedicated LED power supply unit (sold separately)</p> <table border="1"> <tr> <td rowspan="3">Primary side</td> <td>AC input cable (L)</td> <td>Black</td> </tr> <tr> <td>AC input cable (N)</td> <td>White</td> </tr> <tr> <td>Ground wire</td> <td>Yellow/Green</td> </tr> <tr> <td rowspan="2">Secondary side</td> <td>DC output cable(+)</td> <td>Red</td> </tr> <tr> <td>DC output cable(-)</td> <td>Black</td> </tr> <tr> <td rowspan="3">Dimming signal wire</td> <td>PWM dimming signal cable</td> <td>White</td> </tr> <tr> <td>0-10V dimming signal cable</td> <td>Purple</td> </tr> <tr> <td>0-10V dimming signal cable</td> <td>Ash</td> </tr> </table>	Primary side	AC input cable (L)	Black	AC input cable (N)	White	Ground wire	Yellow/Green	Secondary side	DC output cable(+)	Red	DC output cable(-)	Black	Dimming signal wire	PWM dimming signal cable	White	0-10V dimming signal cable	Purple	0-10V dimming signal cable	Ash
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	0-10V dimming signal cable	Ash																		
<p>⚠ Connection to dedicated LED power supply unit</p> <p>Connect the dedicated power supply correctly according to the local regulations.</p> <p>⚠ For dimming, connect either 0-10 or PWM.</p> <p>⚠ Insulate the dimmer when not in use.</p>	<p>■ Wiring diagram (Example: PWM dimming)</p> <p>max length 5m</p> <p>* Wire Harnesses</p>																			
<p>⚠ Do not modify the dedicated LED power supply unit.</p> <p>⚠ Do not use if you feel any abnormality such as smoke or strange odor. Turn off the power immediately and contact the dealer or installer.</p> <p>⚠ Be sure to connect the dimmer correctly. Incorrect wiring may result in damage.</p>	<p>⚠ When extending the wiring harness, use a wire of AWG11 (equivalent to 4.169mm²) or thicker. The maximum length of extension is 7m. When using the product outdoors, be sure to use a dedicated outdoor cable (such as a cable cord).</p> <p>Securely connect the wires using crimp terminals, etc.</p> <p>Wrap twice with self-fusing tape.</p> <p>Wrap twice with vinyl tape.</p>																			
<p>⚠ When using the LED power supply unit outdoors or in a humid place, securely connect the leads of the LED power supply unit to the wiring harness using crimp terminals, etc., and use self-fusing tape to ensure waterproofing.</p>																				

(Contact)

Concord Lighting

5/F, Longbow House, 14-20 Chiswell Street, London, EC1Y 4TW, UK
Tel : +44-01273-616649



UEC alliance center room No.418
The University of Electro-Communications
1-1-1 Kotorimachi Chofu-shi Tokyo
182-0026, Japan
TEL.042-486-6711 info@nanoteco.com

■ Life of the lighting fixtures

There is a limit of the life span of lighting fixture.

In 8 to 10 years after the installation, the deterioration of inside the lighting fixture may progress, even if no problem is found with its appearance.

※service condition : the ambient temperature is 30 degrees, 10 hours lighting /day, 3000 hours a year. (see JIS C 8105-1)

- In case the ambient temperature is high and the lighting time is long, the service life of a luminaire to become to short.
- Please receive the checking by an expert at least every 3 years..
(To prevent fire, electrification and falling)

■ Warranty

warranty period	We define our own long-term warranty period.
Contents of Warranty	We will repair the lighting fixture or replace to new one within the warranty period free of charge.
Exceptions	Following cases are exceptions and excluded from our warranty: <ul style="list-style-type: none">●In case of accidents or troubles, caused by the wrong use or installation●In case of repair or modification done by any other company than ModuleX or the service shop appointed by ModuleX●In case of accidents or troubles, caused by the modification or part replacement done by yourself.●Deterioration over time, such as the discoloration of the painted surface or metal plated surface.●In case of accidents or troubles, caused by or during the move from the originally installed place.●In case of accidents and troubles, caused by, but not limited to fires, earthquakes, flood and flash-to-ground.●In case of accidents and troubles, caused by the voltage and frequency not specified in our specifications or manuals etc.●In case of accidents and troubles, caused by the installation at the wrong place where is not suitable for the product, such as high humid place, vibrating place, dusty place or place polluted by salt.●Secondary loss, such as the damage to the building or loss of sales opportunities etc, shall not be compensated in any case.

■ After service

Please contact vendor and a place of business as mentioned bellow if you wish to consult troubleshooting and do not understand.



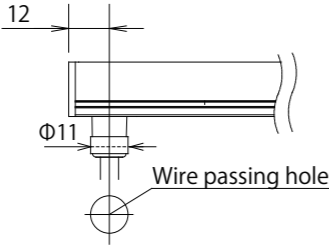
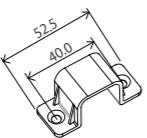
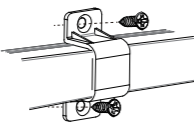
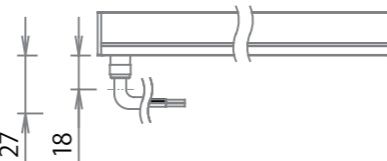
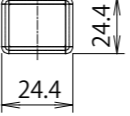
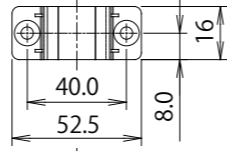

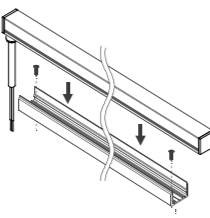
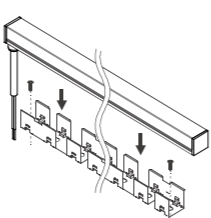
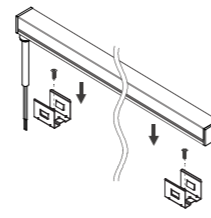
Maintenance Guide

MAP-LEDCS10/5000-**K/A1/PRO

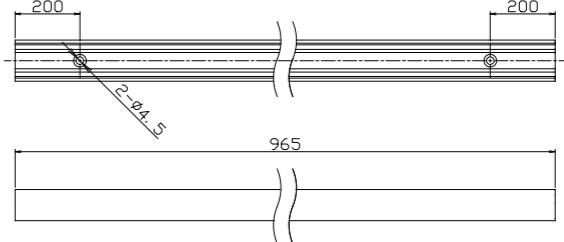

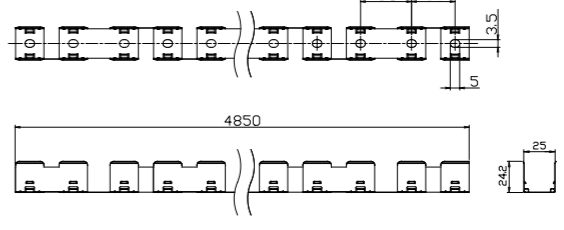

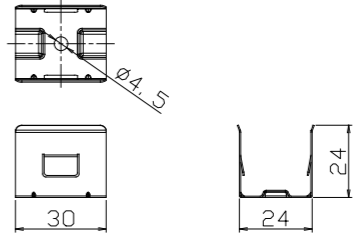



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Installation Details	Installation Diagram	Caution
<p>Installing the Product</p> <p>Open the wire passing hole according to the figure on the right. Pass the wire harness through the hole.</p> <p>Fix the product with attached clips.</p> <p>⚠ Install within the minimum bending/torsion tolerance.</p> <p>⚠ Do not install the product in a place it may be submerged.</p> <p>Use within 5m in series.</p> <p>⚠ When using 5m product, use "NTC-E180CV0241"</p>	 <p>● Screw (Accessory or M4 screw)</p> <p>● Mounting hole pitch</p> <p>【Mounting method, direct mounting】 Fix it at the necessary points according to the construction conditions.</p>  	<p>※The power cable should be bent at least 18mm from the fixture.</p>  <p>※When installing the wire without passing it through the wire passing hole. Secure the space of 24mm or more from the product.</p> <p>Accessory</p> <p>● End cap(1 pc)</p>  <p>● Clip(20 pcs)</p>  <p>● Screw flat head M4×20(40 pcs)</p> 
<p>Installing the Product</p> <p>【With the mounting options】 Use optional straight or curved mounting rails and clips for upward mounting.</p> <p>⚠ Install within the minimum bending/torsion tolerance.</p> <p>⚠ Cut the mounting rail according to the required length.</p> <p>⚠ Do not place the end cap on the rail.</p> <p>⚠ When cutting curved mounting rails, use scissors for cutting stainless steel.</p> <p>⚠ To avoid the risk of falling, fix the fixture to the mounting rail while gently pulling it to prevent it from sagging.</p>	<p>【Installation procedure】</p> <p>① Fix the mounting rail or bracket to the mounting position using the screws provided with each optional product.</p> <p>② Attach the product to the fixed rail or bracket.</p> <p>Cross section of product Fit it into the slit on the side of the main unit.</p> <p>【Use Linear mounting rail】</p>  <p>※Do not mount on the ceiling or wall</p> <p>【Use Bendable mounting rail】</p>  <p>【Use Mounting bracket】</p>  <p>※Use only in upward-facing installation</p>	

OPTION

Model Number	Product drawing (dimensional drawing)
<p>1</p> <p>Linear mounting rail</p> <p>MAP-CS10/RL1000/01</p>	 <p>● Accessories Tapping dish screws M4xL20 (2 pcs)</p> 
<p>2</p> <p>Bendable mounting rail</p> <p>MAP-CS10/RLC5000/01</p>	 <p>● Accessories Tapping dish screws M3xL15(20 pcs)</p>  <p>※If there are more than 20 mounting points, install with screws equivalent to those supplied.</p>
<p>3</p> <p>Mounting bracket(upward)</p> <p>MAP-CS10/BKT/01/01</p>	 <p>● Accessories Tapping dish screws M4xL20 (2 pcs)</p> 

※use in combination with compatible products.

◆ Custom lengths are available(additional cost). Please contact us for details.

Instrument length L Cut tolerance
50~1000mm: ±10mm
1001~2000mm: ±12mm
2001~3000mm: ±15mm
3001~4000mm: ±20mm
4001~5000mm: ±25mm

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS	
When you use	<p>⚠ Please be careful there are cases when radio or television is disturbed by noises, if LED module light a lamp nearby the radio or television.</p> <p>⚠ There are cases where the LED element vary in color, brightness even if LED elements are the same product because LED element is uneven. Please understand this.</p> <p>⚠ Please exchange the LED module and all that time. Please be careful because you cannot exchange a substance the LED element.</p> <p>⚠ There are cases where the LED element color, brightness may be different. Please understand this.</p> <p>⚠ Please install LED module try not to slacken when LED module install in the ceiling, surface of wall.</p>

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