TOKISTAR

PRODUCT GUIDE MICRO SERIES

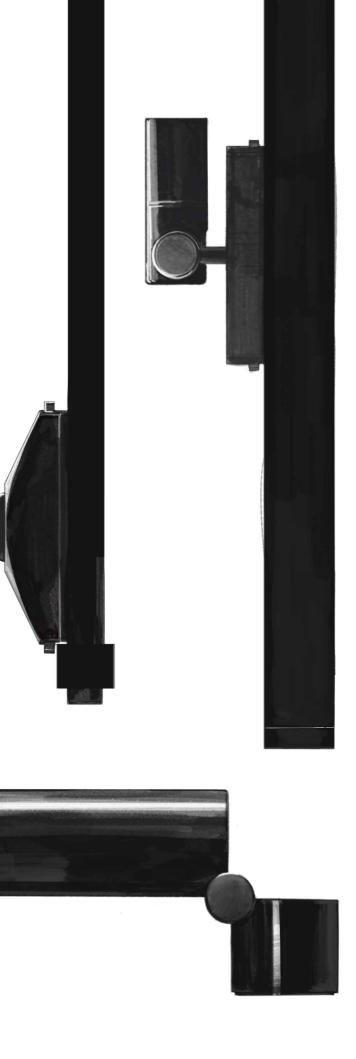
MICRO DOWNLIGHT MICRO LIGHT CANNON MICRO TRACKLIGHT MICRO UP LIGHT MICRO FOOTLIGHT MICRO READING LIGHT "PITAT" MICRO SPOTLIGHT OUTDOOR MICRO PINHOLE DOWNLIGHT MICRO SPOTLIGHT





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MICRO DOWNLIGHT Standard



INDOOR	24VDC 0-10V/1-10V	24VDC DMX
CRI85	CRI95	

Voltage = 24VDC Wattage = 2.6W Main Materials = Aluminum & PMMA Weight = 50g (Main unit) 100g (incl.Control Circuit) Glare-cut Angle = 35°

MD	L02-[) 0K-00 I	<u>)-</u>
LED Co	lor	Beam Angle	Module Color
CRI85 27K : 2700K 30K : 3000K 35K : 3500K 40K : 4000K 50K : 5000K	CRI95 HC27K HC30K HC35K HC40K HC50K	16D : 16° 24D : 24° 30D : 30°	B : Black S : Silver W : White

MICRO DOWNLIGHT Square



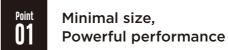


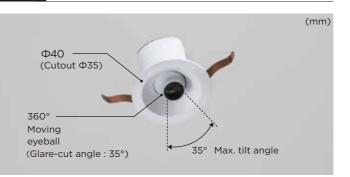
24VDC 24VDC 0-10V/1-10V DMX INDOOR CRI 85 CRI 95

Voltage = 24VDC Wattage = 2.6W Main Materials = Aluminum & PMMA Weight = 50g (Main unit) 100g (incl.Control Circuit) Glare-cut Angle = 35°



System Features





These Micro fixtures discreetly blend into any setting. Pivoting eyeballs in the housing can rotate 35° in all directions.



Increased light output increases design options



The light intensity has been increased 140% in comparison to previous fixtures while maintaining the same size. This means it can not only be used for lighting objects, it a ceiling fixture in restaurants.

MITSUBISHI ESTATE HOME Komazawa Stage 1 Home Gallery

MDL01-27K-30D-B Design : MITSUBISHI ESTATE HOME CO.,Ltd. can also be used as High color

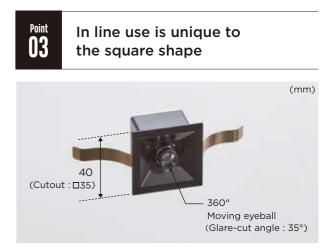
rendering versions

are ideal for use in

art galleries and

museums.

3 PRODUCT GUIDE



The new "square type" Micro Downlight is suitable for use in luxurious hotels as well as solemn Japanese venues. Choose the square or round fixtures based on your design needs.



The true value and beauty of the square design is the clean appearance when 2 or 3 are used in line.

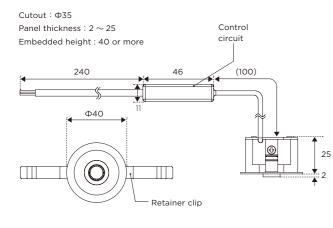
Recommended uses for this series

- 1. Incorporation into shelves, cabinetry and display cases
- 2. Restaurants and bars with lower ambient light levels
- 3. Hotel guest room lights and reading lights

Specifications

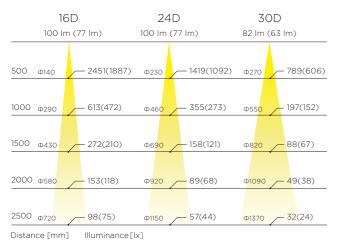
Square

Standard



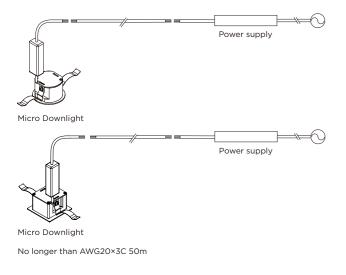
Light Distribution

All values shown are for 3000K modules ** The values in parentheses are CR195, 3000K modules



Product Components

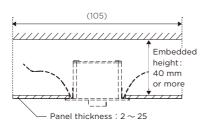
Micro Downlight requires power supplies.



Refer to Page 15-16 for the power supplies and dimming of Micro Downlight.

In	stal	lati	٥n	
	ວເαι	Iau	UII	

The power supply cannot be installed through the cutout (Φ 35 / \square 35)

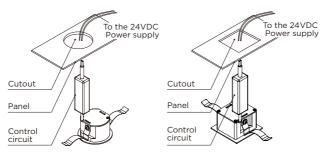


Not suitable for use with insulating material construction. To insert the power supply through cutout, the ceiling height must be 200mm or more.

(mm)

(mm)

No longer than AWG20×3C 50m



MICRO LIGHT CANNON





Voltage = 24VDC Wattage = 2.6W Main Materials = Aluminum & PMMA Weight = 33g (Main unit) 330g/m (rail) Glare-cut Angle = 30°



 LED Color

 CRI85
 CRI95

 27K : 2700K
 HC27K

 30K : 3000K
 HC30K

 35K : 3500K
 HC35K

 40K : 4000K
 HC40K

 50K : 5000K
 HC50K

 Beam Angle
 Module Color

 16D : 16°
 B : Black

 24D : 24°
 PW : Pure White

Mounting parts

MIN-TK24V- <u>×</u> (%Rail color : B,PW)	Minimal track rail
Manufacturing range : 0.2m to 2.4m In increments : 0.1 m (10cm) Accessories : Mounting clips	

MIN-LC-<u>*</u> (* Color : B,PW) Feeder set

One feeder set is required per minimal track rail. The feeder set is installed in the track rail at the factory.

Option

DIM-MGSTK

System Features

Point

^{Point}

A small refined profile

30D: 30°



LED colors can now be selected from our standard type (CRI85) that emphasizes brightness and the hi color (CRI95) that emphasizes color rendering.

Unique dimming capabilities



Micro Light Cannon is fully dimmable. It may be fluidly dimmed from our standard dimming system. It also has the unique ability to independently address each LED module on a fixture with just the tap of our dimming magnet to the side of each module.

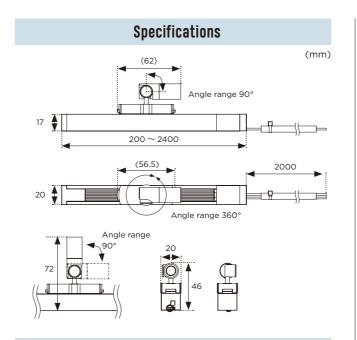
Individual dimming magnet

% Product number : DIM-MGSTK

Recommended uses for this series

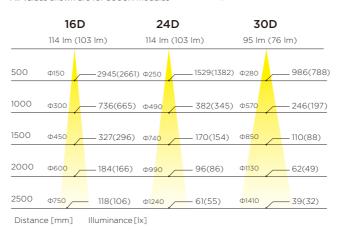
- 1. Incorporation into shelves, cabinetry and display cases
- 2. Highlighting artwork
- 3. Restaurants & bars





Light Distribution

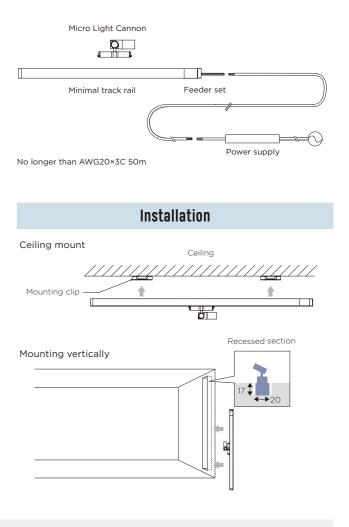
All values shown are for 3000K modules ** The values in parentheses are CR195, 3000K modules



Refer to Page 15-16 for the power supplies and dimming of Micro Light Cannon.

Product Components

Micro Light Cannon consists of a miniature track rail, feeder sets and power supplies. Feeder sets are factory installed and shipped with the track rail.

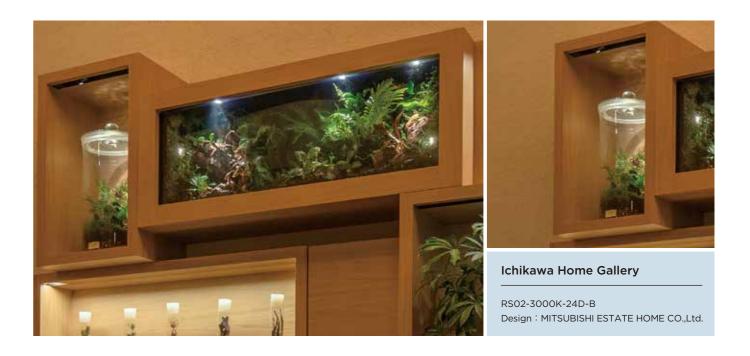


MICRO TRACKLIGHT





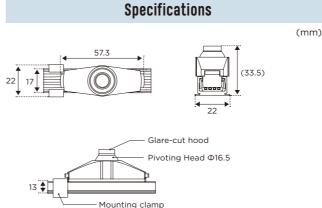
Voltage = 24VDC Wattage = 1.6W Main Materials = Aluminum, PMMA & PC Weight = 20g Glare-cut Angle = 35°



MTK01-DDK-DD-D-H* I FD Color Module Color Beam Angle 16D : 16° B : Black CRI85 CRI95 HC27K 24D : 24° S : Silver 27K : 2700K 30D: 30° W : White 30K : 3000K HC30K 35K : 3500K HC35K 40K : 4000K HC40K 50K : 5000K HC50K % Glare-cut hood

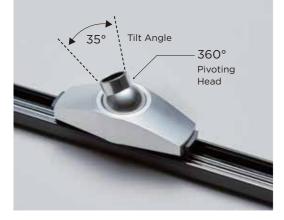
Mounting parts

51		
MTK-TK <u>%</u> 1.25m (%Color : BK, WH)	Dedicated track rail (1.25m)	1.25m fixed length
MTK-TK <u>※</u> 2.45m (※Color : BK, WH)	Dedicated track rail (2.45m)	2.45m fixed length
MTK-LC <u>※</u> -CLB (※Color : BK, WH)	Feed connector	
Option		
MTK-CVBK (Black color Only)	Rail cover	1m fixed length
MTK <u>*</u> -FC200 (*Color : BK, WH)	Flexible connector	Connecting cable length 200mm



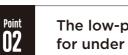
Point

Minimal in size, versatile in performance



The track rail can be mounted horizontally or vertically. LED modules with different lens styles can be used on the same track to light objects at various distances. The modules are fitted with a hood to reduce glare.

System Features



The low-profile form is ideal for under shelf lighting

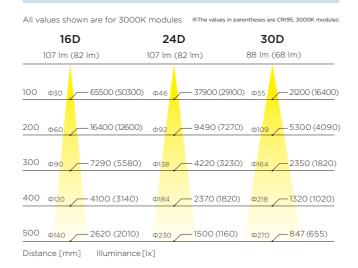


The low profile fixtures are easily hidden behind ledges. The dedicated track rail is easily installed with mounting clamps and screws. LED modules are easily attached, detached and repositioned on the rail. The number of modules on a track can be changed.

Recommended uses for this series

- 1. Incorporation into shelves, cabinetry and display cases
- 2. Built-in curtain box
- 3. Highlighting artwork
- 4. Integration into a fixture louver

Light Distribution

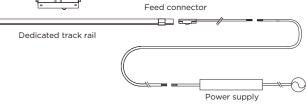


Refer to Page 15-16 for the power supplies and dimming of Micro Tracklight.

Product Components

Micro tracklight requires a dedicated track rail, feed connectors and power supplies.

> Micro Tracklight



No longer than AWG20×3C 50m

Option

Rail cover

% Product number : MTK-CVBK





The low profile fixtures are easily hidden behind ledges.

The dedicated track rail is easily installed with mounting clamps and screws. LED modules are easily attached, detached and repositioned on the rail. The number of modules on a track can be changed.

* A 1m length is available and can be cut to length on a job site.

MICRO UP LIGHT





Voltage = 24VDC Wattage = 2.6W Main Materials = Aluminum & Tempered glass Weight = 40g (Main unit) 40g (Nut & Spacer) Glare-cut Angle : Standard = 38° Glare-cut Glass type = 57°

※ Glare-cut glass

MUP02-	- <u> K- </u>] D- []
LED Color	Beam Angle	Module Color
27K : 2700K	16D : 16°	B: Black
30K : 3000K	24D : 24°	S : Silver
35K : 3500K		
40K : 4000K		

MUP02-		<u>]D</u> - <u> </u> -GC*
LED Color	Beam Angle	Module Color
27K : 2700K	16D : 16°	B: Black

30K : 3000K 35K : 3500K 40K : 4000K

24D : 24° S : Silver

System Features



A build-in light source for variety of applications

Micro Up Light may also be incorporated into cabinetry and pendants.



CG image

Point

Smallest size

floor recessed up light

Introducing an ultra-compact 25 mm diameter fixture designed to be embedded in floors. Fixtures have a minimal presence, bur produce distinctive results.

Glare-cut angle : 38° Point 03

Improved performance with less glare Optional glare-cut type available



Upgraded with the special low- Glare-cut glass type Glare-cut angle : 57° reflecting glareless cone makes an effective perfomance ever.

Recommended uses for this series

1. Incorporation into shelves, cabinetry and display cases 2. Uplight

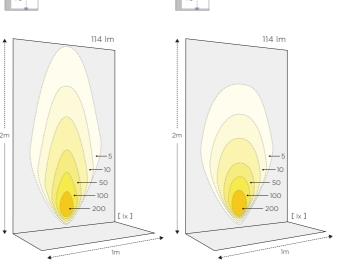


Specifications (mm) Cutout : Φ20 Panel thickness : 2 to 25 AWG21×30 15 48 Spacer for Nut for ioint mounting to Glare-cut thin pan tightening glass \$10 (Semicircular part is painted in black) 1

Light Distribution



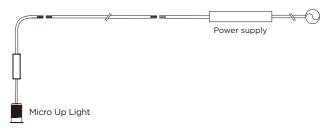
(mm) MUP02-30K-24D



Refer to Page 15-16 for the power supplies and dimming of Micro Up Light.

Product Components

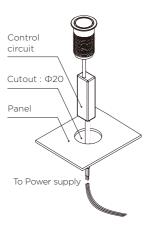
Micro Up Light requires power supplies.

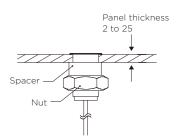


No longer than AWG20×3C 50m

Installation

Power supply cannot be installed through the Φ 20mm cutout.





In case of difficulty in fixing the nut, wrap it with the provided sealing tape and press it into place.

MICRO FOOTLIGHT





Voltage = 24VDC Wattage = 1.5W Main Materials = Aluminum Weight = 30g



System Features



A new Concept of Light and Design in a small package



Conventional footlights were originally designed to meet outlet box specifications, with overly bright and large ones being typical. Our unique Micro Footlight is not limited to traditional design concepts.

Point **03**



Glare-friendly optical design

Micro Footlight is a compact fixture with no outward protrusions. When installed, it remains flat against the wall. Glare-free light is emitted through a small opening in the cover.

Cover Selection



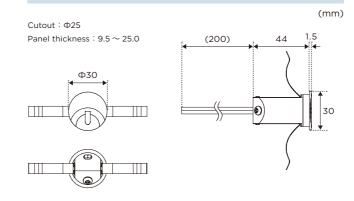
Decorative covers are available in two standard colors. Custom colors, and custom plating can also be provided.

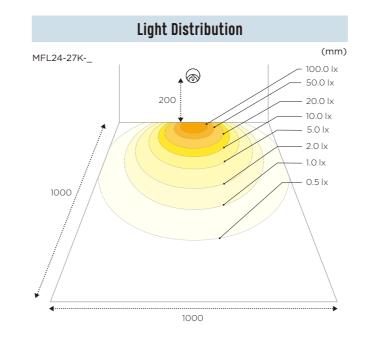
Recommended uses for this series

- 1. Hotel guestrooms
- 2. Bedrooms
- 3. Corridors and stairs
- 4. Restaurants and bars
- 5. Lower ambient light areas



Specifications



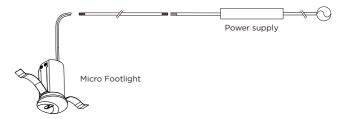


Refer to Page 15-16 for the power supplies and dimming of Micro Footlight.

Point

Product Components

Micro Footlight requires power supplies.



No longer than AWG20×3C 30m

24VDC Drivers

LDR24-16

Specifications

Max. Output Current : 0.67A Max. Output Power : 16W Protection: Overload, Over Voltage, Short Circuit, Over Temperature

Working Temperature : -30°C~+50°C **Mechanical Specifications**

Dimensions : W40 x L150 x H33mm Weight : 210g Enclosure Rating : Suitable for use in Dry and Damp Locations/IP30 Rated

Mounting : Flange Mount LED Module Capacity

2.6Watt LED Modules : 6 each 1.6Watt LED Modules : 10 each 1.5Watt LED Modules : 10 each

LDR24-25

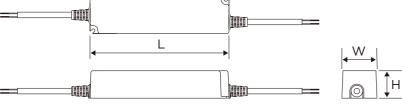
Specifications Max. Output Current : 1.05A Max. Output Power : 25W Protection : Overload, Over Voltage, Short Circuit, Over Temperature Working Temperature : -30°C~+50°C

Mechanical Specifications

Dimensions · W40 x L150 x H33mm Weight : 360g Enclosure Rating: Suitable for use in Dry, Damp and Wet Locations/IP67 Rated Mounting : Flange Mount

LED Module Capacity

2.6Watt LED Modules : 9 each 1.6Watt | ED Modules : 15 each 1.5Watt LED Modules : 16 each



LDR24-40

Specifications

Max. Output Current : 1.67A Max. Output Power : 40W Protection : Overload, Over Voltage, Short Circuit, Over Temperature Working Temperature : -30°C~+50°C Mechanical Specifications Dimensions · W43 x L163 x H33mm

Weight : 440g Enclosure Rating : Suitable for use in Dry, Damp and Wet Locations/IP67 Rated Mounting : Flange Mount

LED Module Capacity 2.6Watt LED Modules : 15 each

1.6Watt | ED Modules : 25 each 1.5Watt LED Modules : 26 each

Common Specifications Input Range : 100-240VAC

Frequency Range : 50/60 Hz Output : 24VDC (+/- 4%)

LDR24-16 Safety Standards

UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, EN62384, J61347-1, J61347-2-13 approved. Design refer to UL60950-1, TUV EN60950-1

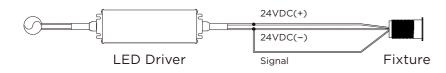
LDR24-25 Safety Standards

UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, EN62384, J61347-1, J61347-2-13 approved, IP67 approved; Design refer to UL60950-1, TUV EN60950-1

LDR24-40 Safety Standards

UL8750, CSA C22.2 No. 250.0-08, ENEC EN61347-1, EN61347-2-13 independent, EN62384, IP67, J61347-1, J61347-2-13 approved; Design refer to UL60950-1, TUV EN60950-1

Non-dimming



Do not turn fixtures on until the dimming wire is connected. Connect the signal wire to the negative wire when not dimming the fixture.

LC-1CH-MULTI Dimming System/24VDC

Tokistar's LC-1CH-MULTI Dimmer Pack is compatible with industry-standard dimmers working on DMX or 0-10/1-10VDC protocol. In the manual mode, a preset light level can be set without the use of an external dimmer.

LC-1CH-MULTI

Technical Specifications Max. Load : 96W @ 24VDC Environmental Rating : Dry Location/IP20 Dimensions : W40 x L90 x H20mm Weight : 50g Listing : ETL Listed/CE Certified Operating Temperature : 0~+50°C

DMX Mode

In this mode, dimmer packs are addressable and may be used with any controller working on DMX protocol. Up to 36 dimmer packs may be connected in series. For applications exceeding 36 dimmer packs, a splitter is required. Consult factory on details of DMX Splitters.

Analog Mode 0-10/1-10VDC

For operation from devices using 0-10/1-10VDC protocol, up to 10 dimmer packs may be connected in series. For applications exceeding 10 dimmer packs, an additional feed from the analog dimming device is required.

Manual Mode You may select a light intensity at which the fixtures operate. In this case, no external dimming device is required.

LC Dimming System/24VDC

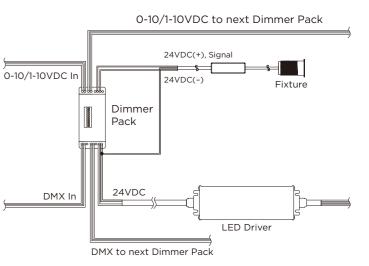
This proprietary dimming system provides full-range dimming of LEDs from our LED drivers. The system components connect with CAT5e cable. Up to 25 dimmer packs may be connected in series if the total length of all CAT5e cable does not exceed 50 meters from the wall dimmer to the last dimmer pack. CAT5e cables are required to units.

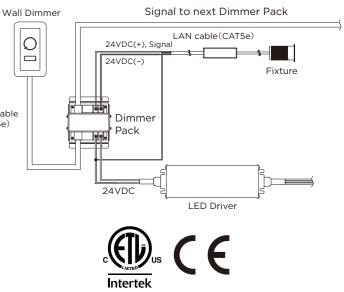


LC-1CH-DPJ

Each dimmer pack receives a 24VDC input from an LED driver and sends a PWM output to the fixture. Logic input and output is communicated through CAT5e cable. Max. Load : 96W @ 24VDC Dimensions : W89 x L103 x H36mm

LAN cable (CAT5e)



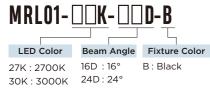


MICRO READING LIGHT "PITAT"





Voltage = 24VDC Wattage = 1.6W Main Materials = Aluminum & PMMA Weight = 85g



LPS-8.4-24 AC Adapter



System Features

Point

Fits snugly and is hard to damage



The stylish design fits neatly in the wall when not in use.

Resting flat against the wall makes it difficult for hands or objects to Protruding reading lights Flush mounting design

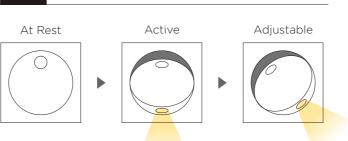
may become damaged. conceals fixture.

make contact and damage fixtures.

Recommended uses for this series

- 1. Hotel guest room lights and reading lights
- 2. In corporation into display cases

Point 02 Auto On/Off by opening and closing Easily adjustable up to 180 degrees

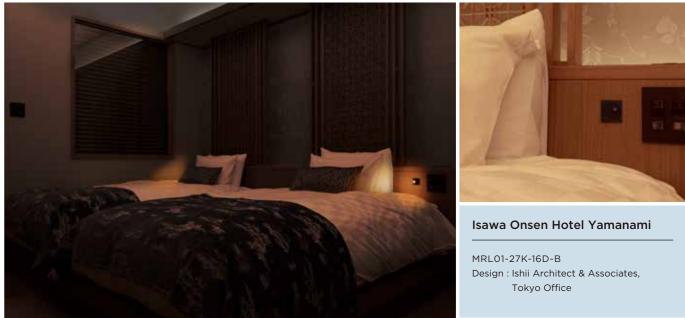


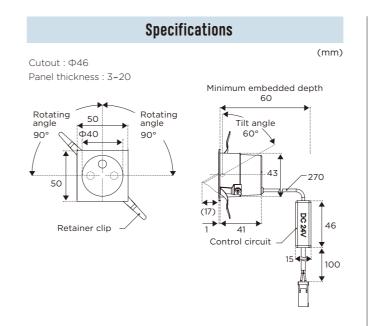


Custom surface colors



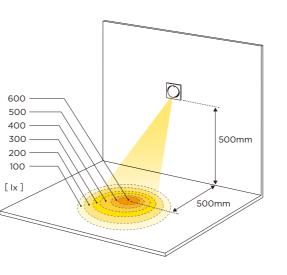
Surface treatments may be customized to match the interior finish. Custom paint or plating is available.





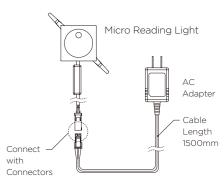
Light Distribution

The value shown is for 3000K and 24D module.



Product Components

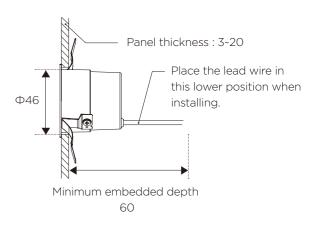
Micro Reading Light requires a power supply. One fixture per power supply is needed. The figure to the right shows a non-dimming installation. Please contact us for details on dimming.



Installation

(mm)

Panel thickness can be from 3 to 20 mm. A Φ 46 mm cutout is required. Make sure the cutout is of sufficient strength and there is adequate space for mounting.



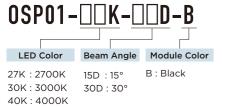
MICRO SPOTLIGHT OUTDOOR



			CRI 85
OUTDOOR	IP66	700mA	

Current = 700mA Wattage = 2.1W Main Materials = Aluminum & Tempered glass Weight = 150g (Main unit) Glare-cut Angle = 35°

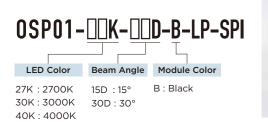
Standard



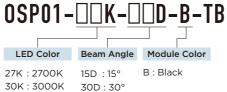
Standard with Stake

OSPO1-DK-DD-B-SPI		
LED Color	Beam Angle	Module Color
27K : 2700K 30K : 3000K 40K : 4000K	15D : 15° 30D : 30°	B : Black

Standard with Low Pole and Stake



Standard with Tree Band NEW



40K : 4000K

Standard with Base Plate NEW



LED Color Module Color Beam Angle B : Black 27K : 2700K 15D : 15° 30K : 3000K 30D : 30° 40K : 4000K



OSP-CON Connector installation processing OSP-CON-2m OSP feed connector with a 2m lead OSP-TCON OSP T-branch connector

Option

e p li e li	
OSP-EXT-1m	OSP extension cable 1m
OSP-EXT-5m	OSP extension cable 5m
OSP-EXT-10m OSP extension cable 10m	
OSP-DS	Direct mount spacer
OSP-DS	Direct mount spacer

Point 01	A micro-sized spotlight that blends into the environment	
		We are launching a new outdoor lighting fixture based on our Micro Series. It is ideal for use in areas concerned with environmental impact.

Recommended uses for this series

- 1. Commercial courtyards 2. Rooftop gardens
- 3. Open-air cafes & restaurants

A black cone with a special finish is standard. In addition, the optical design limits glare. With a wide range of movement and no restrictions on mounting direction, you have more flexibility in your lighting design.

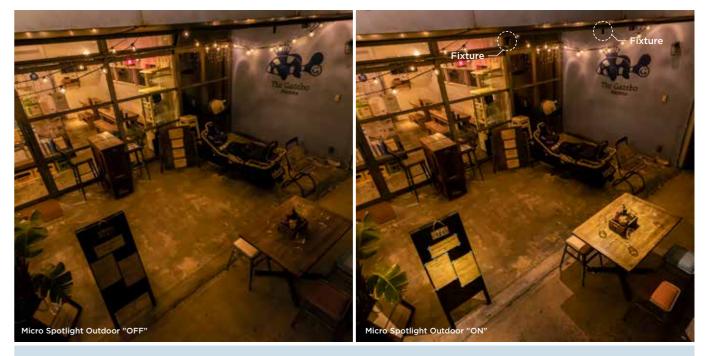


UPDATE A wide range of designs to choose from to suit your needs

In addition to the original two types with stakes, Standard with Tree Band and Standard with Base Plate were newly added to our OSP series.

Please refer to the next page for the characteristics of each type and how to specify.

Standard with Tree Band



The Gazebo Hayama

OSP01-30K-30D-B

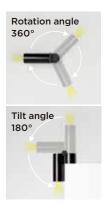


System Features



Glareless & wide range of motion



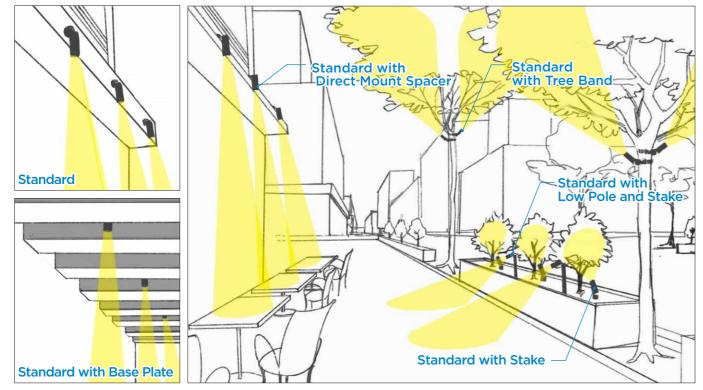






Standard with Base Plate

System Features



Standard / with Direct Mount Spacer

In the case of direct mounting, connector installation processing is not applicable. The connector does not pass through the power supply hole. If it is difficult to make a hole for a power supply on the mounting surface, the lead wires can be pulled out from the side using a Direct mount spacer (option). In this case, connector installation processing is applicable.

Recommended applications

Standard : For walls, eaves, parapets, signage Standard with Direct Mount Spacer -When hidden wiring is not possible -When connector installation processing is needed





Standard with Stake / with Low Pole and Stake

Two types of stakes with different heights are available. Please select according to your application.

Recomm ended applications with Stake : For planters, and general landscapes with Low Pole and Stake : For general landscapes





Standard with Tree Band



Since it uses soft stainless steel expansion springs, it does not interfere with tree growth and does not damage the epidermis even without curing. Can be used for Φ75 to Φ125mm



JE





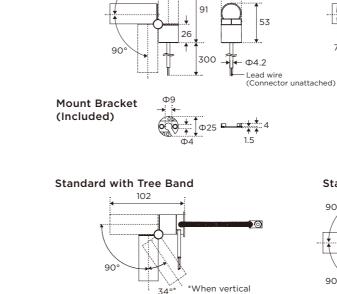


Recommended for saving labor during installations and when the installation area is narrow and difficult to fix. Connector installation processing is also applicable.

1000

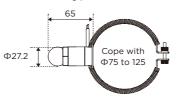
100

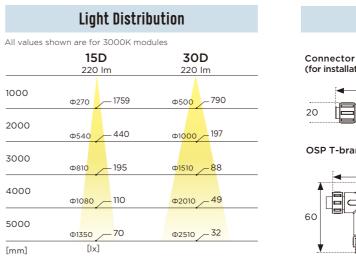
Recommended applications -For installations between architectural louvers and slit structures -When installing a large number of units within a limited construction period (time)



Φ27.2

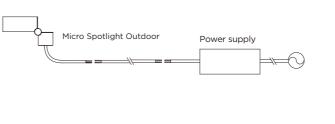
Standard





(i o i

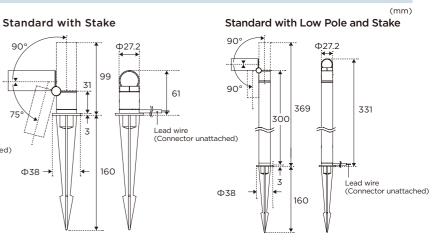
Connection without connectors



Refer to Page 23-24 for the power supplies and dimming of Micro Spotlight Outdoor.

Standard with Direct Mount Spacer

Specifications



Standard with Base Plate

Ф38 →

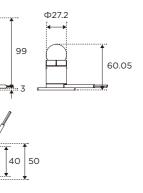
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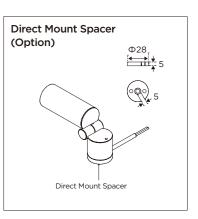
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Φ4.5 0-/

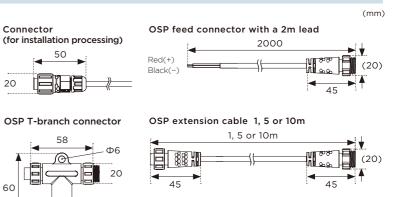
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OSP Connectors



Product Components

Connection with the connectors



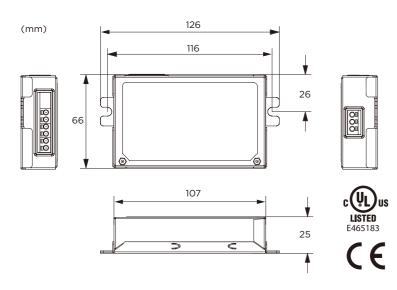
When connecting two or more fixtures, connector installation processing, extension cables, and T-branch connectors are required for the second and subsequent fixtures.

Power supplies

LDRCC-40-NS(-D)

Our constant current LED Driver operates on the PWM method and accepts input from 0-10VDC dimming controls. The driver has full range dim-to-off capability.

The input is universal ranging from 100 to 277VAC 50/60 Hz.



Specifications

Input Range : 100~277VAC Frequency Range : 50/60 Hz Output : 3-57VDC Current : 700mA Max. Output Power : 40W Protection : Overload, Overcurrent, Short Circuit Over Temperature : Mis-Wiring protection (auto shutdown) Operating Temperature : -40°C to +50°C

Mechanical Specifications

Dimensions : 126 x 66 x 25mm Weight : 170g Enclosure Rating : IP21 Mounting : Flange Mount Input/Output Connectors : Wago 253/AWG16-20

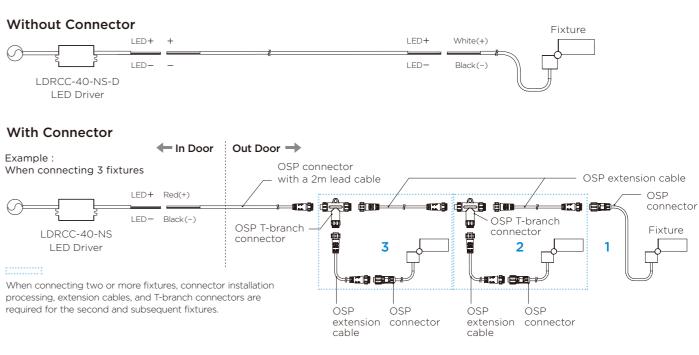
Safety Standards

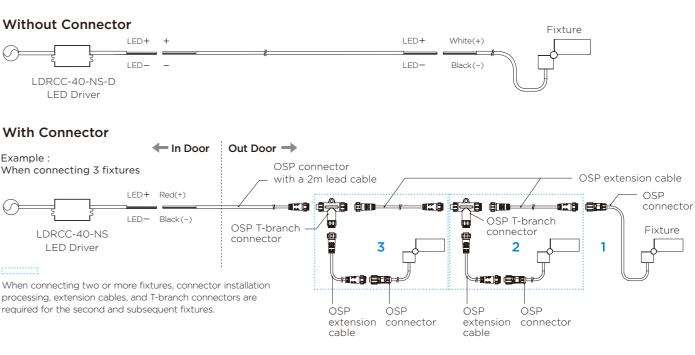
Listed to UL8750, UL Class 2, Class P EMI Compliance : FCC 47CFR Part 15 Class B

LED Capacity

LDRCC-40-NS-D : 1 OSP (2.1 Watt) LED LDRCC-40-NS : 2 to 16 OSP (2.1 Watt) LEDs

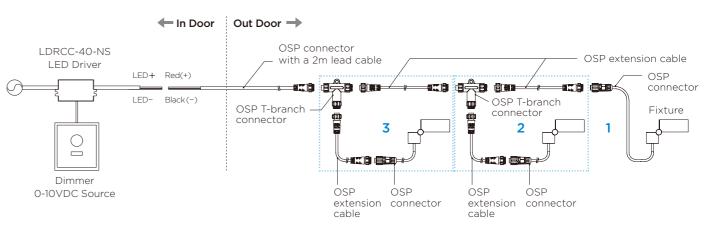
Non-dimming





Dimming Control

Example : When connecting 3 fixtures



Required Extension Cables and Maximum lead length

Catalog #	# of LEDs	Max / Cable leng	
LDRCC-40-NS-D	1 LED	Total of dedicated extension	
LDRCC-40-NS	2-16LEDs	and additional lead (AWG18)	

A PRECAUTIONS	4.
 Read all instructions completely before beginning installation. Turn off electricity before beginning installation. 	5.
3. All wiring is to be performed by a qualified electrician.	6.



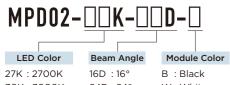
- 4. Installation must comply with the National Electrical Code or related applicable regulations.
- . Turn main supply to LED Driver on only after all connections have been made and tested.
- 6. Use only LED Drivers provided by Tokistar with the system.

MICRO PINHOLE DOWNLIGHT





Current = 700mA Wattage = 2.1W Main Materials = Aluminum & PMMA Weight = 40g (Main unit) Glare-cut Angle = 35°



30K : 3000K

24D : 24° W : White

Exssetcial lead connector

MPD-CON-0.2m MPD feed connector with a 0.2m lead

Option	
MPD-EXT-1m	MPD extension cable 1m
MPD-EXT-5m	MPD extension cable 5m
MPD-EXT-10m	MPD extension cable 10m
MPD-SPL2	MPD 2-branch connector

Functional brightness from

CH2800-3200mm

System Features

Point 03

CG image



Small and unobtrusive, the Micro Pinhole Downlight delivers amazing results



A clean and compact design tastefully blends into any interior. The cone has a special matte black finish to minimize glare, and features a 35° cut-off angle.

N2

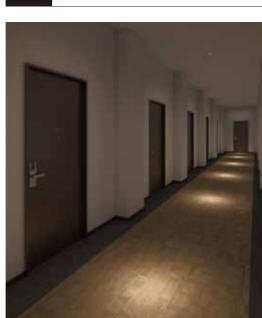
Improved cone design reduces glare



Our upgraded special low-reflecting glareless cone delivers the most effective performance ever

Recommended uses for this series

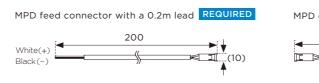
- 1. Hotel guest rooms
- 2. Corridors and entrance
- 3. Restaurants and bars
- 4. Residences
- 5. Restrooms

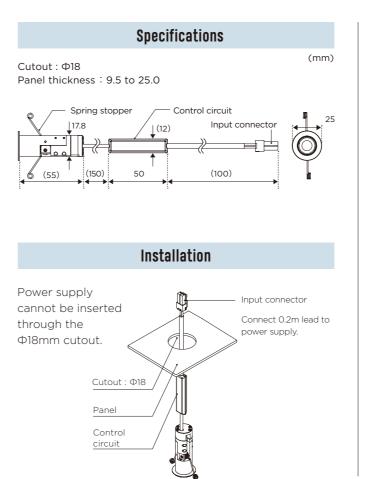


This small but powerful downlight is ideal for relatively low ambient areas. Fixtures provide stylish accents in the area directly below.



MPD Connectors





Refer to Page 27-28 for the power supplies and dimming of Micro Pinhole Downlight.



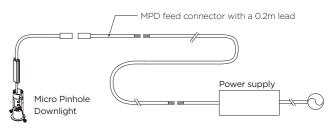
MPD extension cable 1, 5 or 10m 1, 5 or 10m (10) MPD 2-branch connector

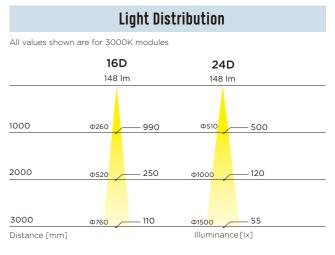
(mm)



Product Components

Micro Pinhole Downlight requires an MPD connector with a 0.2 m lead and Power supplies.





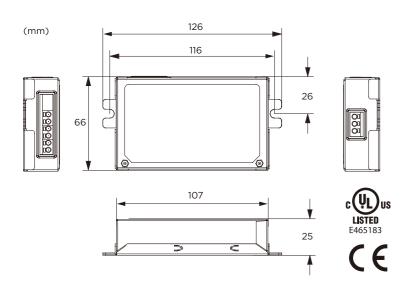
Power supplies

LDRCC-40-NS(-D)

Our constant current LED Driver accepts input from 0-10VDC dimming controls. The driver has full

range dim-to-off capability.

The input is universal ranging from 100 to 277VAC 50/60 Hz.



Specifications

Input Range : 100~277VAC Frequency Range : 50/60 Hz Output : 3-57VDC Current : 700mA Max. Output Power : 40W Protection : Overload, Overcurrent, Short Circuit Over Temperature : Mis-Wiring protection (auto shutdown) Operating Temperature : -40°C to +50°C

Mechanical Specifications

Dimensions : 126 x 66 x 25mm Weight : 170g Enclosure Rating : IP21 Mounting : Flange Mount Input/Output Connectors : Wago 253/AWG16-20

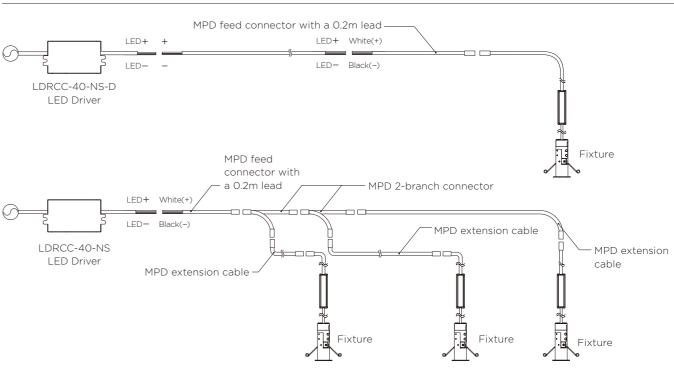
Safety Standards

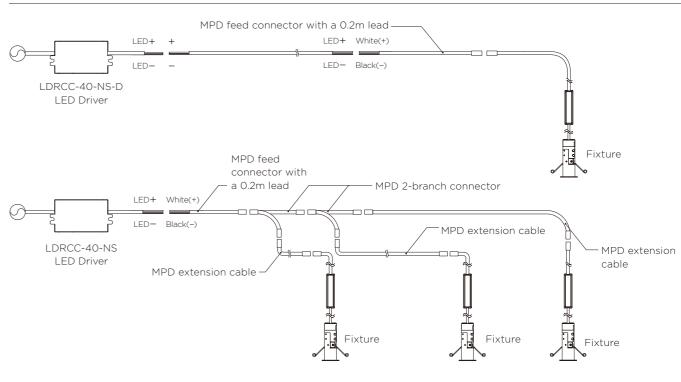
Listed to UL8750, UL Class 2, Class P EMI Compliance : FCC 47CFR Part 15 Class B

LED Capacity

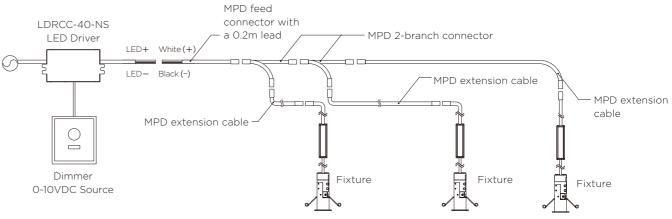
LDRCC-40-NS-D : 1 MPD (2.1 Watt) LED LDRCC-40-NS : 2 to 18 MPD (2.1 Watt) LEDs







Dimming Control



Required Extension Cables and Maximum lead length

Catalog #	# of LEDs	Max / Cable length	
LDRCC-40-NS-D	1 LED	Total of dedicated extension cables and additional lead (AWG18) on site : 100m	
LDRCC-40-NS	2-18LEDs		

When using the MPD 2-branch connectors, please connect and branch in the vicinity of the power supply.

A PRECAUTIONS	4. Ins api
1. Read all instructions completely before beginning installation.	5. Tui
 Turn off electricity before beginning installation. All wiring is to be performed by a qualified electrician. 	6. Us

- stallation must comply with the National Electrical Code or related pplicable regulations.
- urn main supply to LED Driver on only after all connections have een made and tested.
- Jse only LED Drivers provided by Tokistar with the system.

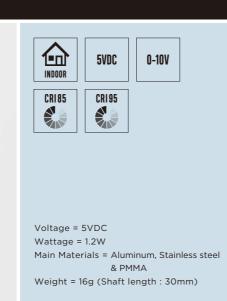
MICRO SPOTLIGHT



Beam Angle Fixture Color

B : Black

S : Silver



Fixtures and mounting parts

	MSP01KD30	Weight 16g	Fixture (Shaft length 30mm)
	MSP01KD150	Weight 25g	Fixture (Shaft length 150mm)
Shaft Length	MSP01KD250	Weight 32g	Fixture(Shaft length 250mm)
30 : 30mm	MSP01KD350	Weight 40g	Fixture (Shaft length 350mm)
150 : 150mm MS04-SKT- <u>%</u> (Socket color : B,S)		Standard socket	
250 : 250mm	MS04-WSKT- $\underline{\times}$ (including extension cord 8m)		Socket for wall

Distribution Box with AC Adapter

LPS-350-6CH-04	For Non-Dimming		
LPS-MS-DIM	For Dimming		
Option			
MS-EXTC10	Extension cord (8m)		

System Features

Unique in Form and Technology

MSP01-00K-00D-0-000

CRI95

HC27K

HC30K

HC35K

HC40K

HC50K

16D : 16°

24D : 24°

30D: 30°

I FD Color

CRI85

27K · 2700K

30K : 3000K

35K : 3500K

40K : 4000K

50K : 5000K



Innovative technology and a hightech appearance make Micro Spotlight a perfect solution for a variety of design objectives.

350 : 350mm

The 3.5mm phone connector allows stems to rotate 360°

Recommended uses for this series

1. Incorporation into shelves, cabinetry, showcases and displays

- 2. Reading light
- 3. Ceiling sign spotlight
- 4. Highlighting artwork
- 5. Mobile furniture



N2

Functional and Aesthetically pleasing

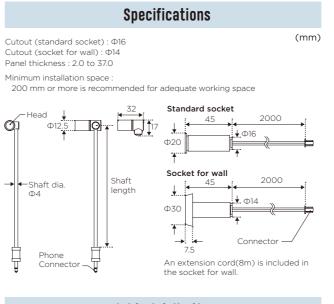
The quality of light and superior craftsmanship of Micro Spotlights make them ideal for highlighting fine jewelry and valuable artifacts in vitrines. Available in a silver or black finish, these slender fixtures discreetly blend into any setting.



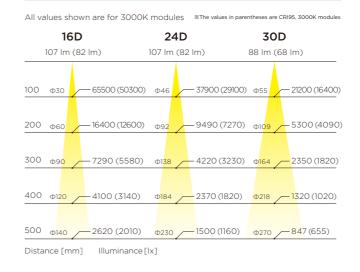
Sirena Azzurro Matsuzakaya Shizuoka Store

Design: VAL · PLANNING INC.





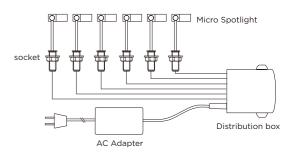
Light Distribution



Refer to Page 31 for the power supply and dimming of Micro Spotlight.

Product Components

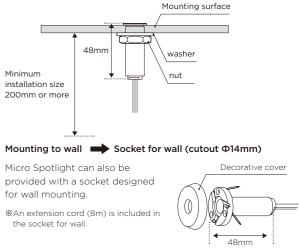
Micro Spotlight requires sockets, Distribution box and AC Adapter.

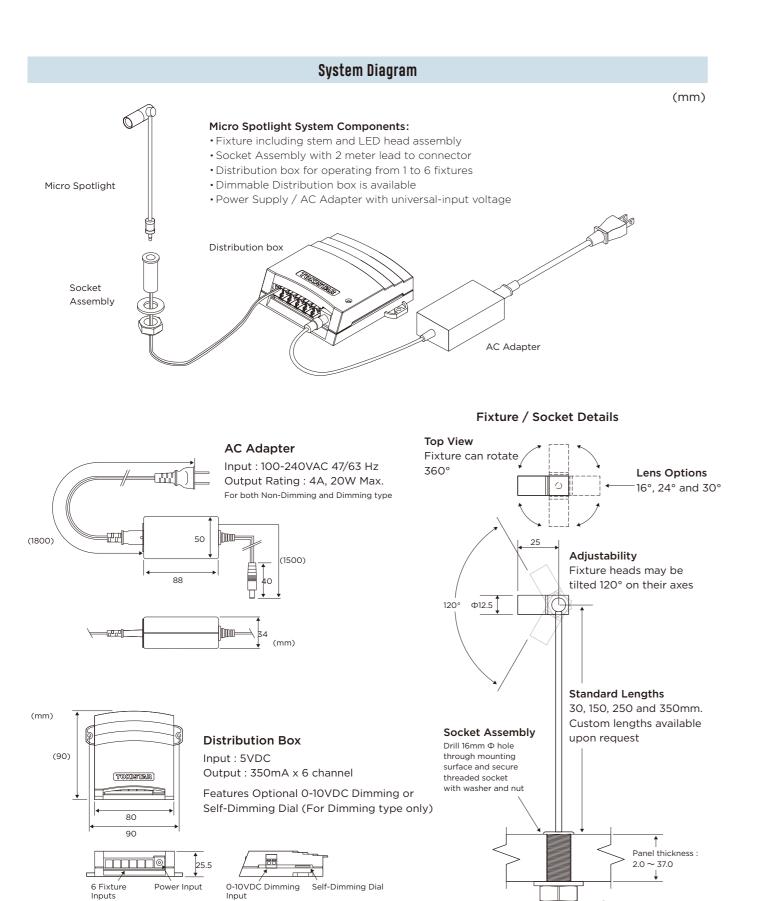


Installation

Horizontal and ceiling mounting → Standard socket (cutout Φ16 mm)

Insert the socket assembly through the hole and secure with the nut and washer provided.





A PRECAUTIONS

Read all instructions completely before beginning installation.
 Turn off electricity before beginning installation.

3. All wiring is to be performed by a qualified electrician.

4. Installation must comply with the National Electrical Code or related applicable regulations.

Connector

5. Turn main supply to the power supply on only after all connections have been made and tested.

6. Use only LED Drivers provided by Tokistar with the system.

2 Meter Lead