

TOKISTAR

PRODUCT GUIDE INDIRECT SERIES

TOKILUX EVO

TOKILUX EVOWG

TOKILUX EVO KT

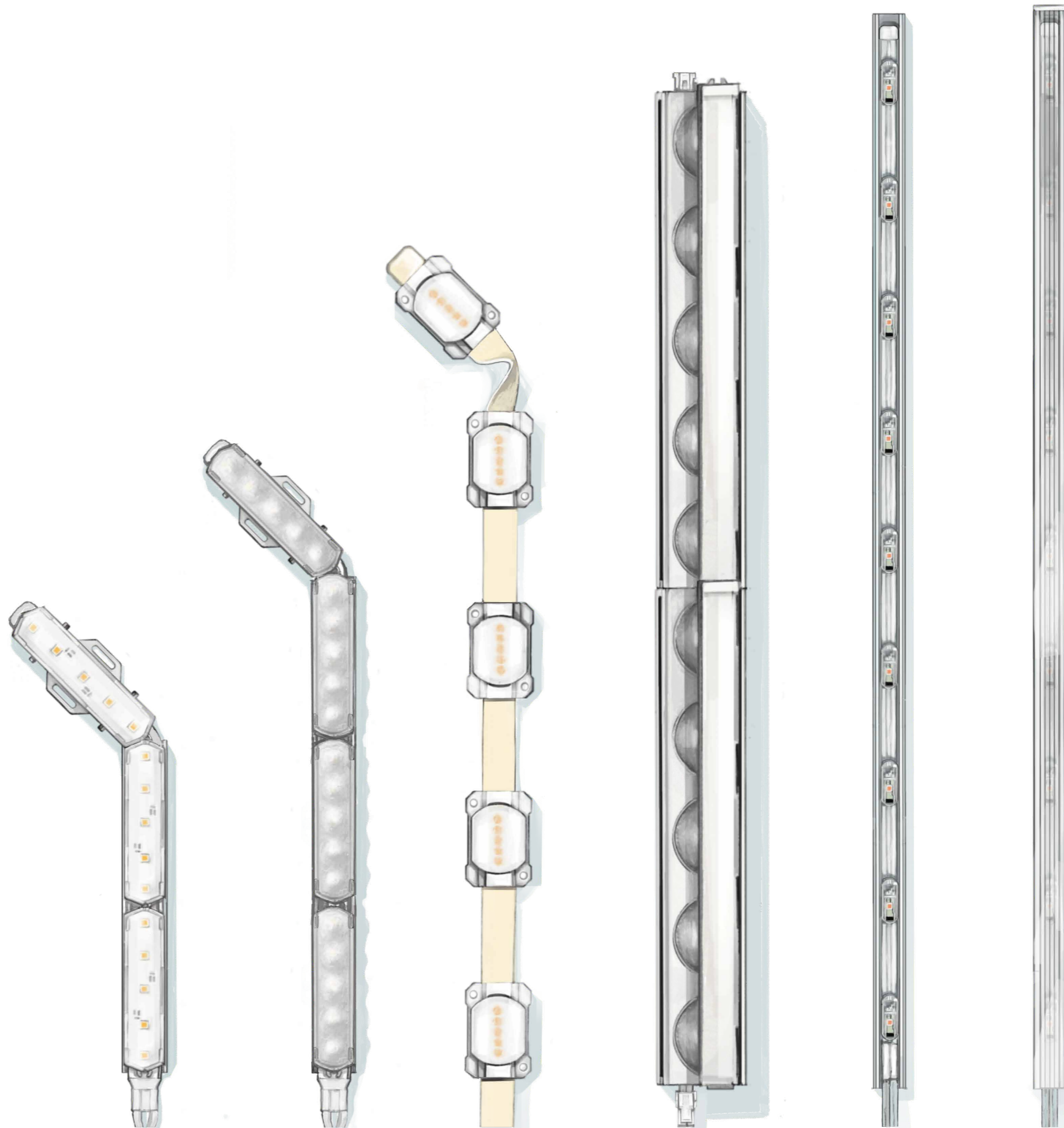
TOKILUX EVOWG KT

ADVANTAGE XF

LIGHT VEIL

CABLE LIGHT SERIES INDIRECT-MINI

CABLE LIGHT SERIES MINI-CHANNEL



2F JS Progre, 4-1-23, Heiwajima,
Ota-ku, Tokyo 143-0006, Japan
TEL : +81-3-5763-6121
FAX : +81-3-5763-6130

www.toki.co.jp/tokistar/en/

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LIGHT VEIL

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TOKILUX EVO



Voltage = 24VDC
Wattage = 1.5W/unit
Main Materials = PVC & PC
Weight = 200g/m
Lead Cable = 1.25mm²×2 L = 0.5m

Beam Angle
120°

EVO-□□K

LED Color

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

Catalog#	Power	Unit Q'ty/run
EVO- ____K	1.5W/unit	2 to 64 units

* 1 unit = 75mm

Refer to page 19 for the power supply, and page 20 for the dimming system of Tokilux EVO.

TOKILUX EVOGW



Voltage = 24VDC
Wattage = 1.5W/unit
Main Materials = PVC & PC
Weight = 200g/m
Lead Cable = 1.25mm²×2 L = 0.5m

Beam Angle
42°

EVOGW-□□K

LED Color

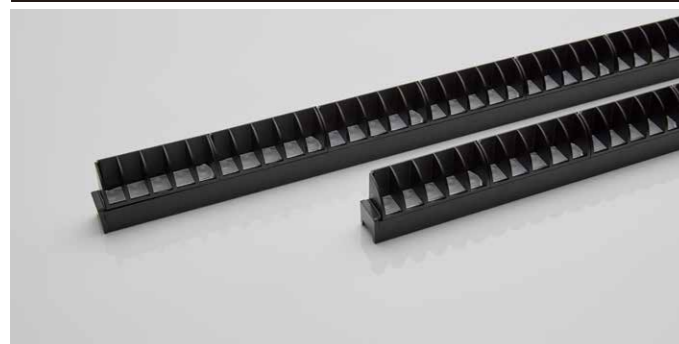
27K : 2700K
30K : 3000K
35K : 3500K

Catalog#	Power	Unit Q'ty/run
EVOGW- ____K	1.5W/unit	2 to 64 units

* 1 unit = 75mm

Refer to page 19 for the power supply, and page 20 for the dimming system of Tokilux EVOGW.

TOKILUX EVOGW with Partition-Guard



Voltage = 24VDC
Wattage = 1.5W/unit
Main Materials = Aluminum & PC
Weight = 530g/m
Lead Cable = 1.25mm²×2 L = 0.5m

Beam Angle
31°

EVOGWCP-□□K

LED Color

27K : 2700K
30K : 3000K
35K : 3500K

Catalog#	Power	Unit Q'ty/run
EVOGWCP- ____K	1.5W/unit	2 to 32 units

* 1 unit = 75mm

Refer to page 19 for the power supply, and page 20 for the dimming system of Tokilux EVOGWCP.

System Features

Point
01

Compact design with seamless and uniform lighting

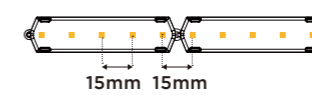
Compact design with a unit length of 75mm. It is also possible to cut into individual units, allowing for detailed adjustments on site. Since the LED spacing is so close, even when used in compact areas, it provides a more seamless appearance. The result being an attractive, uniform light output. LED spacing is consistent even when connected.



TokiLux



Light of TokiLux EVO



15mm 15mm

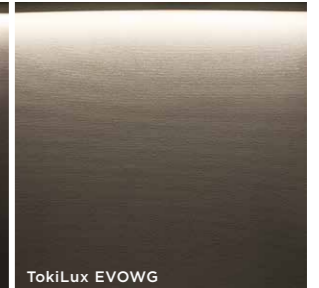
Point
03

Wall Grazer version (WG) is also available

A special lens has been carefully selected to produce an attractive light ideal for illuminating walls as indicated in the photo below on the right. For other applications, we recommend TokiLux EVO.



TokiLux EVO



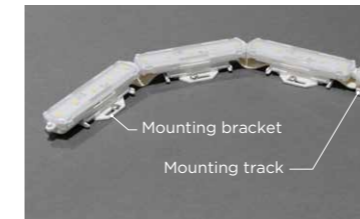
TokiLux EVOGW

Point
02

Flexible installation



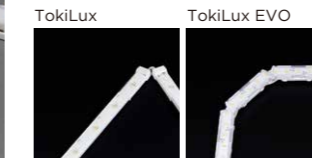
Mounting track



Mounting bracket

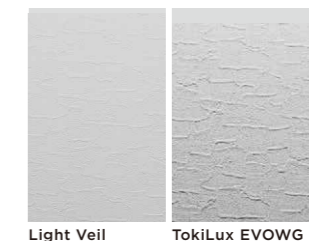
Mounting track

A mounting track ensures linear integrity. When used in conjunction with mounting brackets, straight lines and curves may be accomplished on the same TokiLux EVO fixture.



TokiLux

TokiLux EVO



Light Veil

TokiLux EVOGW

Proper use with Light Veil

TokiLux EVOGW is a highly efficient wall grazer, however if you require a lighting effect that does not create shadows, we recommend Light Veil.

UPDATE

Tokilux EVO WG has been updated for easier use.

By eliminating the base from conventional specifications, installation in curved applications is now possible. We also offer parallel louver version for sites where glare is a concern.

*Parallel louver version (EVOGWCP) can only be installed in a straight line.

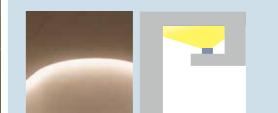
Standard



with Parallel Louver

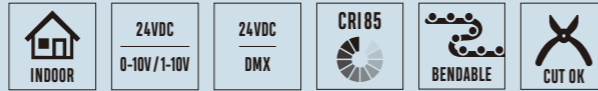


ISUZU MOTOR LIMITED
Head office



EVO-35K
Design :
Isuzu Estate Co., Ltd.
Sakakura Associates architects and engineers
Lighting design :
ICE Inc.

TOKILUX EVO KT



Voltage = 24VDC
Wattage = 1.5W/unit
Main Materials = PVC & PC
Weight = 200g/m
Lead Cable = 1.25mm²×2 L = 0.5m

Tunable White

Beam Angle
106°

EVO-KT-□□/□□K

LED Color

22/27K : 2200K to 2700K
27/50K : 2700K to 5000K

Catalog#	Power	Unit Q'ty/run
EVO-KT-__K	1.5W/unit	2 to 64 units

* 1 unit = 75mm

Refer to page 19 for the power supply, and page 21 for the dimming system of Tokilux EVO KT.

TOKILUX EVOWG KT



Voltage = 24VDC
Wattage = 1.5W/unit
Main Materials = PVC & PC
Weight = 200g/m
Lead Cable = 1.25mm²×2 L = 0.5m

Tunable White

Beam Angle
52°

EVOWG-KT-□□/□□K

LED Color

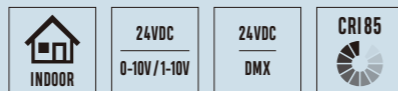
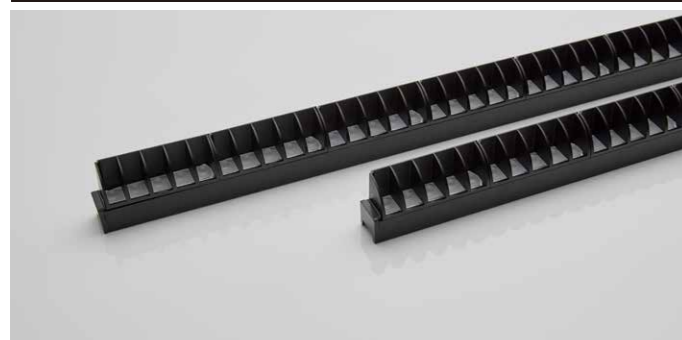
22/27K : 2200K to 2700K
27/50K : 2700K to 5000K

Catalog#	Power	Unit Q'ty/run
EVOWG-KT-__K	1.5W/unit	2 to 64 units

* 1 unit = 75mm

Refer to page 19 for the power supply, and page 21 for the dimming system of Tokilux EVOWG KT.

TOKILUX EVOWG KT with Partition-Guard



Voltage = 24VDC
Wattage = 1.5W/unit
Main Materials = Aluminum & PC
Weight = 530g/m
Lead Cable = 1.25mm²×2 L = 0.5m

Tunable White

Beam Angle
36°

EVOWGCP-KT-□□/□□K

LED Color

22/27K : 2200K to 2700K
27/50K : 2700K to 5000K

Catalog#	Power	Unit Q'ty/run
EVOWGCP-KT-__K	1.5W/unit	2 to 32 units

* 1 unit = 75mm

Refer to page 19 for the power supply, and page 21 for the dimming system of Tokilux EVOWGCP KT.

System Features

Point
01

Dimming and color changing are possible to suite various scenes

This unique product cannot be found elsewhere. We offer two types: The 2200-2700K version is suitable for more relaxed settings such as restaurants. The 2700-5000K version is ideal for applications requiring various scene changes such as wedding halls.



VIALA Kinugawa Keisui

EVO-KT-27/50K
Planning : TOKYU LAND CORPORATION
Construction Design : Tokyu Architects & Engineers INC.
Interior Design : A.D.A Co.,Ltd
Lighting Design : Hasegawa Architectural Lighting Laboratory
Photographer : Fumito Suzuki



Point
02

Compact wall grazer with dimming and color adjustment capabilities

We also offer the Tokilux EVOWG KT, a dimmable and color-adjustable wall grazer. Even with the WG type, the colors blend well all the way to the edges of the fixture, creating beautiful light. Although Tokilux EVOWG KT is highly functional, it still has a compact profile.

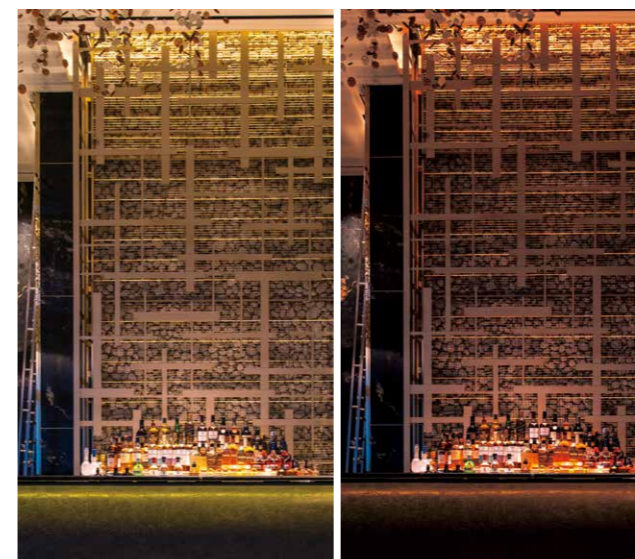
Point
03

UPDATE

WG version can also be used for curved applications

Tokilux EVOWG KT has been updated for easier use. By eliminating the base from the conventional specifications, it is now possible to install in a mixture of curved and straight lines using mounting brackets and mounting tracks. For sites where glare is a concern, parallel louver version is also available.

*Parallel louver version (EVOWGCP) can only be installed in a straight line.



TokiLux EVOWG KT



TokiLux EVOWG KT with Partition-Guard



Lumen value per meter

EVO KT

At 2200K	1213
At 2700K	1427
At 5000K	1533

(lm/m)

EVOWG KT

At 2200K	1160
At 2700K	1373
At 5000K	1427

(lm/m)

LED Colors, lm & Beam Angle

EVO KT

LED Colors, lm

2200K to 2700K : 91 to 107lm/unit

2700K to 5000K : 107 to 115lm/unit

Beam Angle

EVO KT 106°

EVOWG KT

LED Colors, lm

2200K to 2700K : 87 to 103 lm/unit

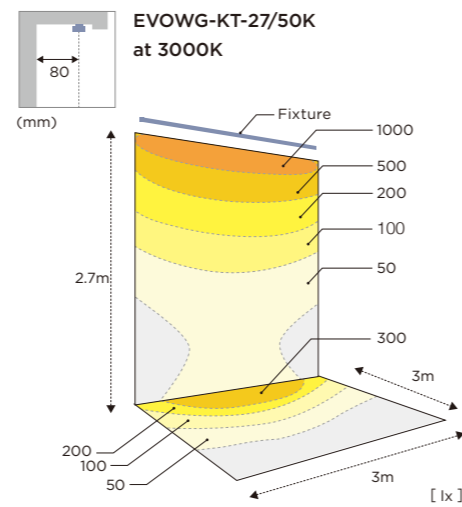
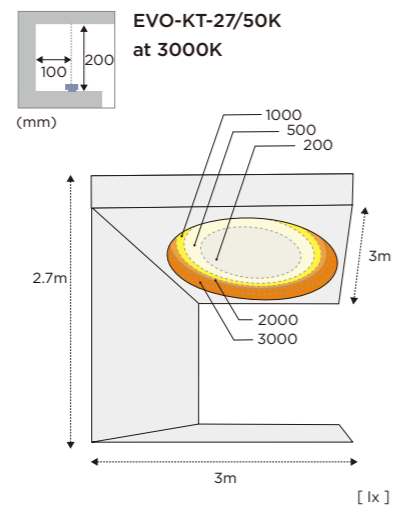
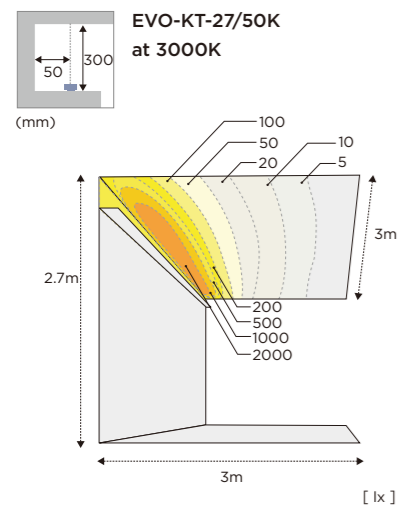
2700K to 5000K : 103 to 107 lm/unit

Beam Angle

EVOWG KT 52°

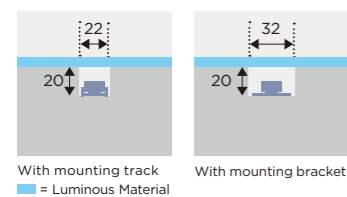
EVOWGCP KT 36°

Light Distribution

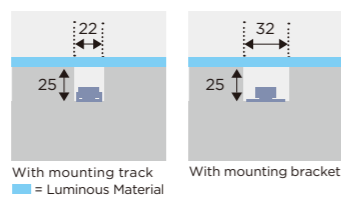


Minimum Space Requirements

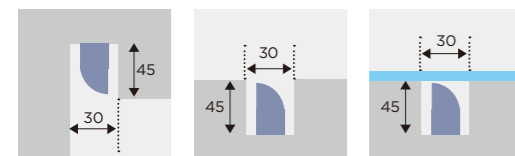
EVO KT



EVOWG KT



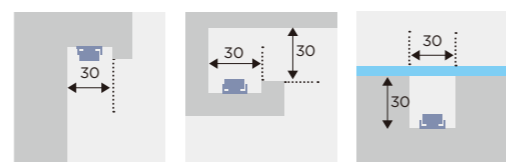
EVOWGCP KT



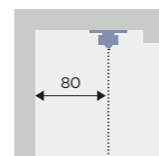
For proper air flow, the dimensions indicated are required to prevent heat build up. Other considerations are lighting effect and maintenance.

Recommended Space Requirements

EVO KT



EVOWG KT EVOWGCP KT

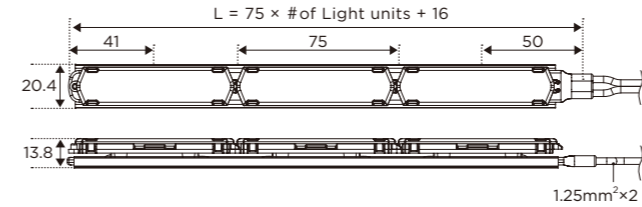


Specifications

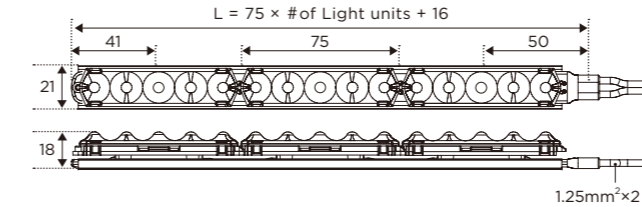
(mm)

With mounting track

EVO KT

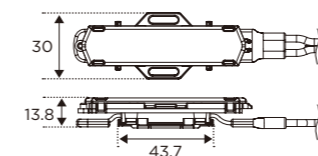


EVOWG KT

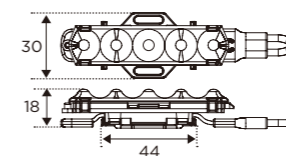


With mounting bracket

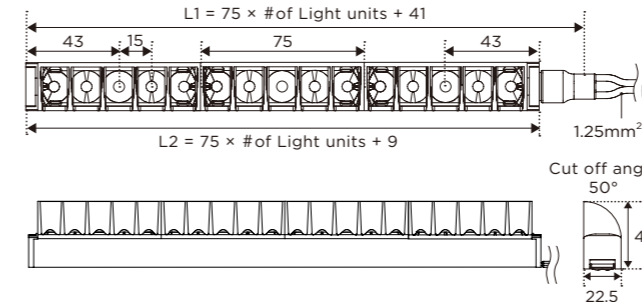
EVO KT



EVOWG KT



EVOWGCP KT



Instructions

EVO KT / EVOWG KT | Linear applications

Attach the mounting track with screws, then insert the fixture into the track. 3mmΦ screws are to be provided on the jobsite.

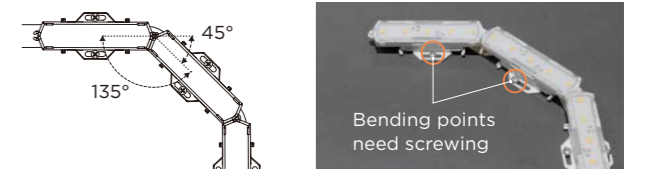


MC20-1.25m | Mounting track (L=1.25m)

Fixed length : 1.25m ※Can be cut on job site.

EVO KT / EVOWG KT | Curved applications

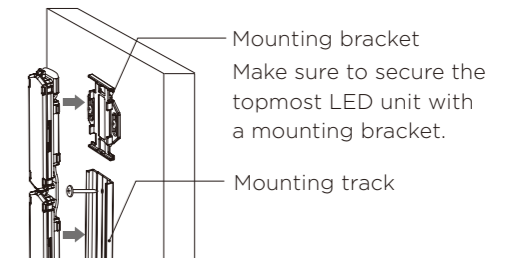
For curved installations, attach mounting brackets with screws at bend points.



EVO-CP/10 | Mounting bracket (10pcs/set)

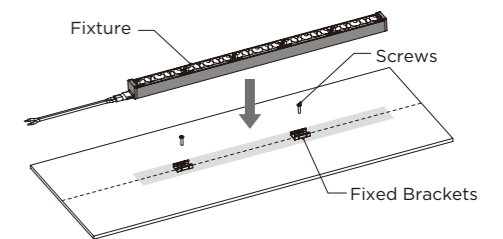
EVO KT / EVOWG KT | Vertical / sloped applications

TokiLux EVO / EVOWG can be installed in vertical or sloped positions.



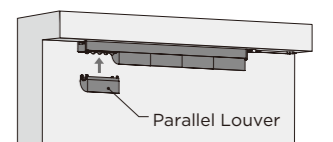
EVOWGCP KT | Mounting

Attach the fixed brackets with screws, then insert the fixture into the fixed brackets. 3mmΦ screws are to be provided on site. Brackets are suitable for use on floor and ceiling applications.

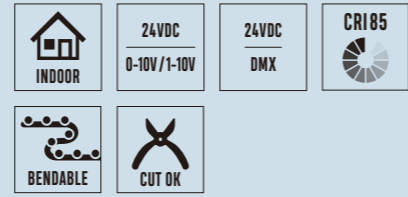


EVOWGCP KT | Parallel Louver Mounting

The louver readily snaps in place over the LED lens. Louvers can be attached after fixtures have been installed.



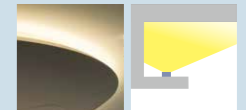
ADVANTAGE XF



Voltage = 24VDC
 Wattage = 0.72W/LED
 Main Materials = PC & PVC
 Weight = 100g/m
 Lead = 1.25mm²×2 L = 0.5m
 Accessory = Mounting screws



ORIX Life Insurance Corporation
 Shinjuku Visitor Center



AVXF-60-4000K

AVXF-□□□-□□□□K

LED Spacing

60 : 60mm
 75 : 75mm
 100 : 100mm

LED Color

2000K 3000K
 2400K 3500K
 2700K 4000K
 KC : Kelvin-Changing
 1800K to 2700K
 ※ KC lamp requires a DMX
 or 0/1-10V dimming system.

LED Color : 2000K / 2400K / 2700K / 3000K / 3500K / 4000K

Catalog #	Power	Max.LED Q'ty/run
AVXF-60-__K	12.0 W/m	2 to 280 LEDs (max. L=16.8m)
AVXF-75-__K	9.6 W/m	2 to 260 LEDs (max. L=19.5m)
AVXF-100-__K	7.2 W/m	2 to 240 LEDs (max. L=24.0m)

Refer to page 19 for the power supply, and page 20 for the dimming system of Recommended Lead Wire Size and Length Limitation

Lumen value per meter

LED Color	LED Spacing	60mm	75mm	100mm
2400K		633	507	380
2700K		717	573	430
3000K		750	600	450

(lm/m)

LED Colors, lm

2000K : 34 lm/LED	3000K : 45 lm/LED	KC (1800K to 2700K) at 2700K : 35 lm/LED
2400K : 38 lm/LED	3500K : 45 lm/LED	
2700K : 43 lm/LED	4000K : 45 lm/LED	

※ Please contact us if you require a light source color other than those listed.

System Features

Point
01

The low-profile fixture has a very flexible conductor



Fixtures bend easily, and may cut on site.

LEDs are easily replaced.

Since the fixture is only 10mm high, outstanding lighting effects can be achieved in confined spaces.

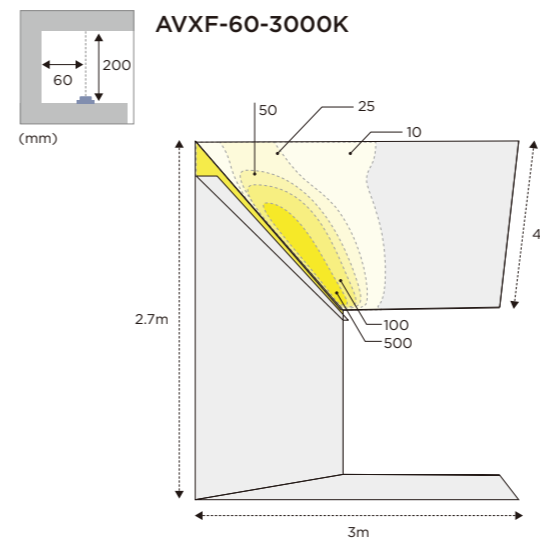
Point
02

Kelvin-Changing (KC) version is also available

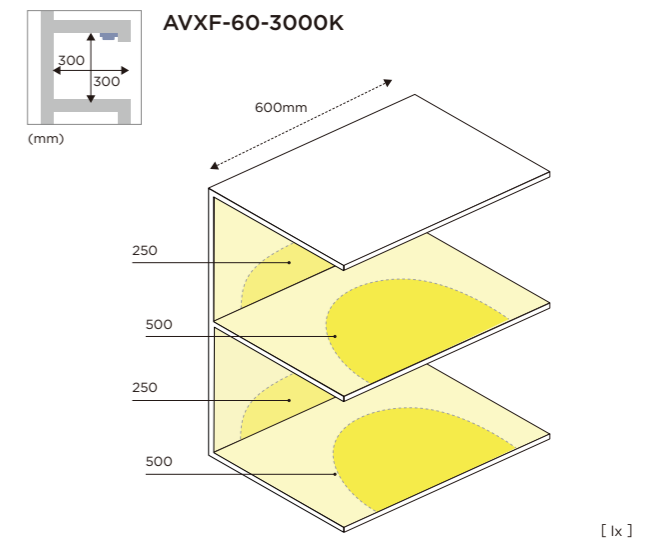


Kelvin-Changing (KC) LEDs change color temperature at the same time they are dimmed, like incandescent lamps.

Light Distribution

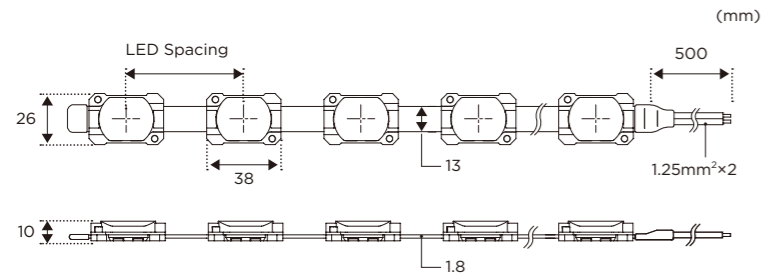


[lx]



[lx]

Specifications



Options

AVXF-MC-1.25m	Mounting track (L=1.25m)
Fixed length : 1.25m ※Can be cut on job site.	
AVXF-EP	Lead wire extension processing
Up to 10m (Processing length unit : 1m)	
AVXF-WTAN	Both ends lead wire attachment processing
Attach a 0.5m of lead wire to each side.	

Instructions

Linear applications

The mounting track ensures linear integrity. This optional track can be installed with or without the dedicated mounting brackets included with the track. Mounting screws are provided with AVXF fixtures.



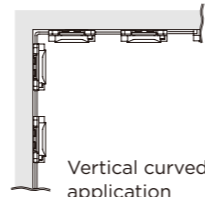
With mounting brackets



Without mounting brackets

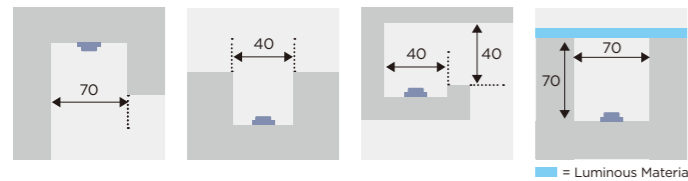
Direct installation

AVXF fixtures have mounting holes for direct mounting. Fixtures can curve horizontally or vertically. Mounting screws are included with fixtures.



Vertical curved application

Minimum Space Requirements



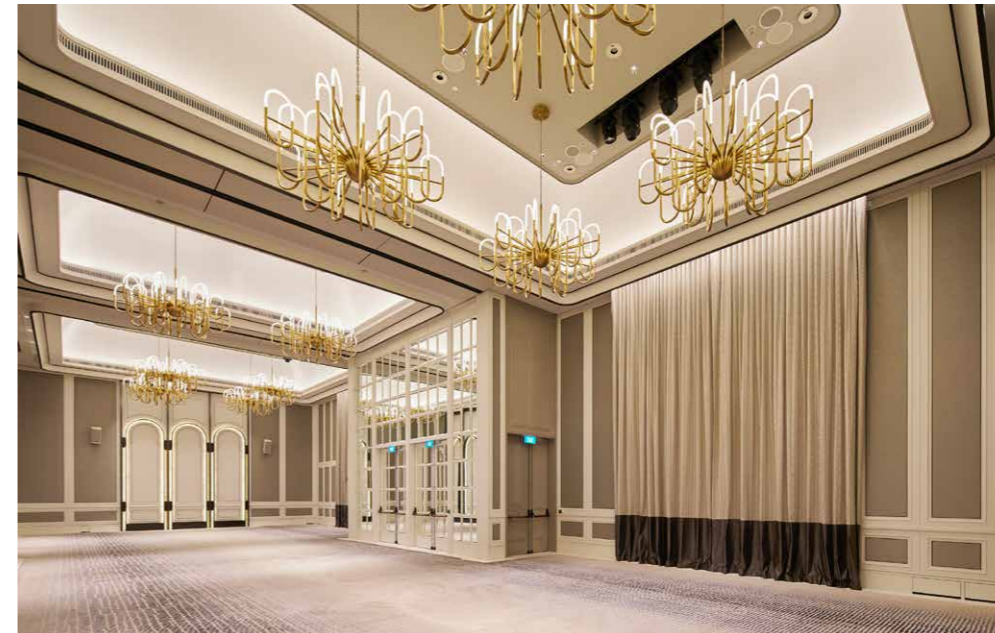
These dimensions are the required minimum for installation in a confined space to ensure there is not excessive heat buildup. In an actual installation, and in consideration of maintenance we recommend a wider opening while keeping these dimensions as a guideline. Conditions are different when fixtures are placed side by side.

LIGHT VEIL

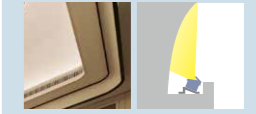


INDOOR	24VDC	24VDC
	0-10V/1-10V	DMX
CRI85	CRI95	

Voltage = 24VDC
 Wattage = 4.0W/unit
 Main Materials = PC & PVC
 Weight = 820g/m
 Lead Cable = AWG18 x 2 L = 0.5m



The St. Regis Singapore



LV-3000K +Custom Bracket
 Lighting Design :
 MYNA DESIGN & CRAFT PTE LTD
 Photographer : Fumito Suzuki

LV-□□□□K

LED Color

CRI85	CRI95
2700K	HC27K
3000K	HC30K
3500K	HC35K
4000K	HC40K
4500K	

Catalog #	Power	Max.Length / run
LV-_K	4.0W/unit	24unit (4.8m)
LV-HC_K	4.0W/unit	24unit (4.8m)

※ 200mm/unit

Refer to page 19 for the power supply, and page 20 for the dimming system of Light Veil.

Lumen value per meter

LED Color	LED Spacing	40mm
2700K		1100
3000K		1100
3500K		1100
4000K		1100
4500K		1100

(lm/m)

LED Colors, lm

2700K : 220lm/unit CRI = 85/95	4000K : 220lm/unit CRI = 85/95
3000K : 220lm/unit CRI = 85/95	4500K : 220lm/unit CRI = 85
3500K : 220lm/unit CRI = 85/95	

System Features

Point
01

Soft and even illumination

Light Veil evenly illuminates an entire surface without casting shadows. Scallop-free light is evenly provided from the very top of a wall to the floor beneath.



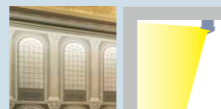
Light Veil "ON"



Light Veil "OFF"

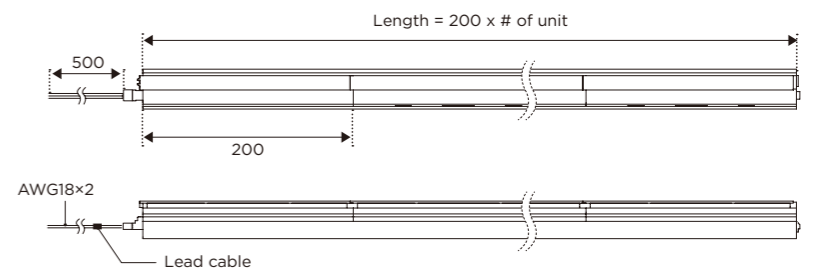
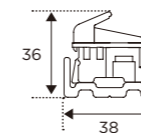
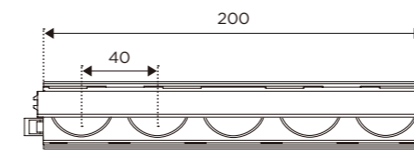
TECIDO TOKYO SHOWROOM

LV-3000K
 Interior Design : NOBU ARCHI DESIGN Inc.

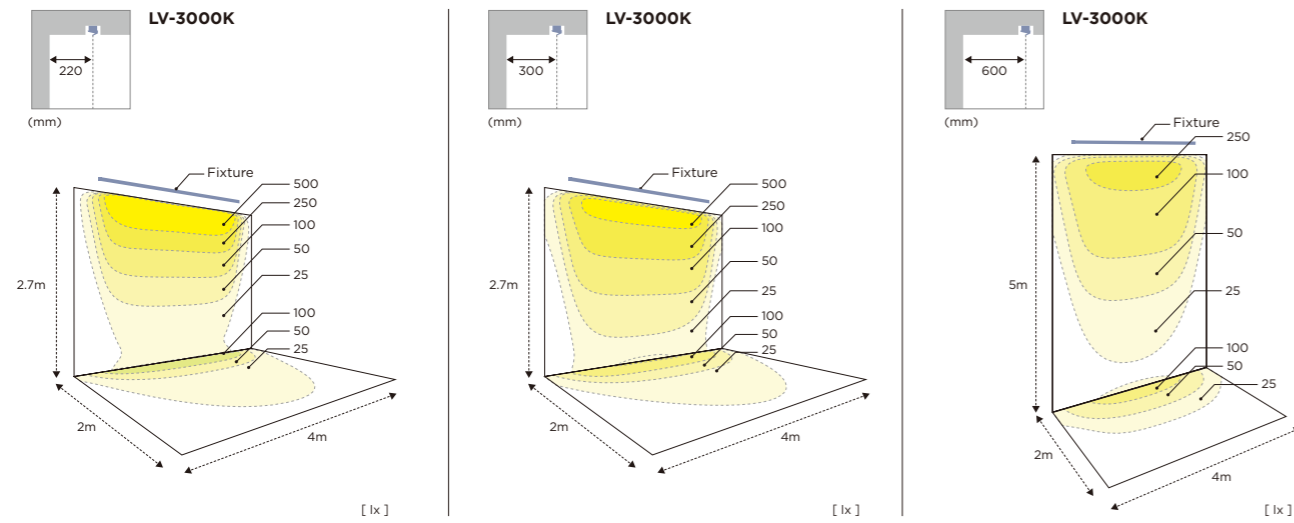


Specifications

(mm)



Light Distribution



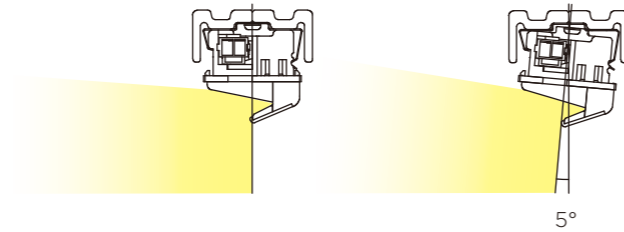
Instructions

Attach the mounting track with screws, then insert fixture in place. Screws are to be provided on the jobsite.

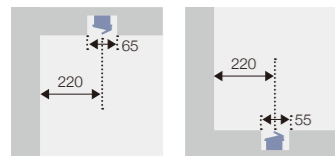


Screws are required :
 - $\phi 2.5-4.0\text{mm}$.
 - Screw head less than $\phi 9\text{mm}$ and less than 4mm thickness.

2-step adjustment for light direction
 Light direction can be adjusted 5°.



Minimum Space Requirements



For proper air flow, the dimensions indicated are required to prevent heat build up. Other considerations are lighting effect and maintenance.

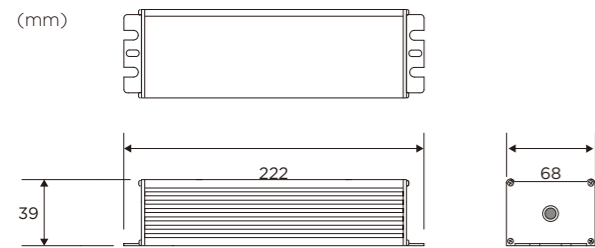
Power Supply

24VDC LED Driver

TokiLux EVO, TokiLux EVOWG, Advantage XF and Light Veil series operate from our 24VDC LED driver. This Class 2 power supply has a single output limited to 96 watts/4 amps.

LDR24-96

Tokistar's LDR24-96 has a single 96 watt output.



LDR24-96 Specifications

Input Range : 100-277VAC
 Frequency Range : 50/60Hz
 Output: 24VDC (+/- 3%)
 Max. Output Current : 4.0A
 Max. Output Power : 96W
 Protection : Overload, Over voltage,
 Short Circuit, Over Temperature
 Working Temperature: -30°C+50°C

Mechanical Specifications

Dimensions : 68 x 222 x 39mm
 Weight : 998g
 Enclosure Rating : Suitable for use in Dry,
 Damp and Wet Locations/IP67 Rated
 Mounting : Flange Mount

Safety Standards

UL 879, UL 8750, UL 1310 Class 2, TUV
 EN60950-1, EN61347-1, EN61347-2-3 ind.
 CAN/CSA C22.2, No. 223-M91, CE, IP67 Rated

LED Module Capacity

TokiLux EVO units (1.5 watt) : 64 each
 Advantage XF LEDs (0.72 watt) : 133 each
 Light Veil units (4.0 watt): 24 each

Dimming

LC-1CH-MULTI Dimming System/24VDC

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



LC-1CH-MULTI

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

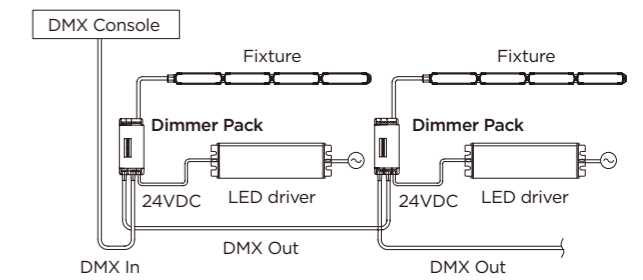
DMX Mode

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.

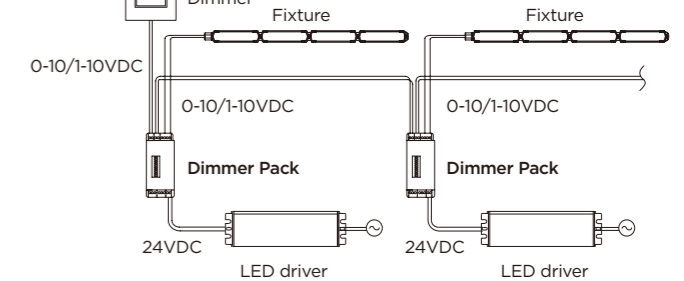
Analog Mode 0-10/1-10VDC

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.

DMX Wiring Diagram



0-10/1-10VDC Wiring Diagram



Manual Mode

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

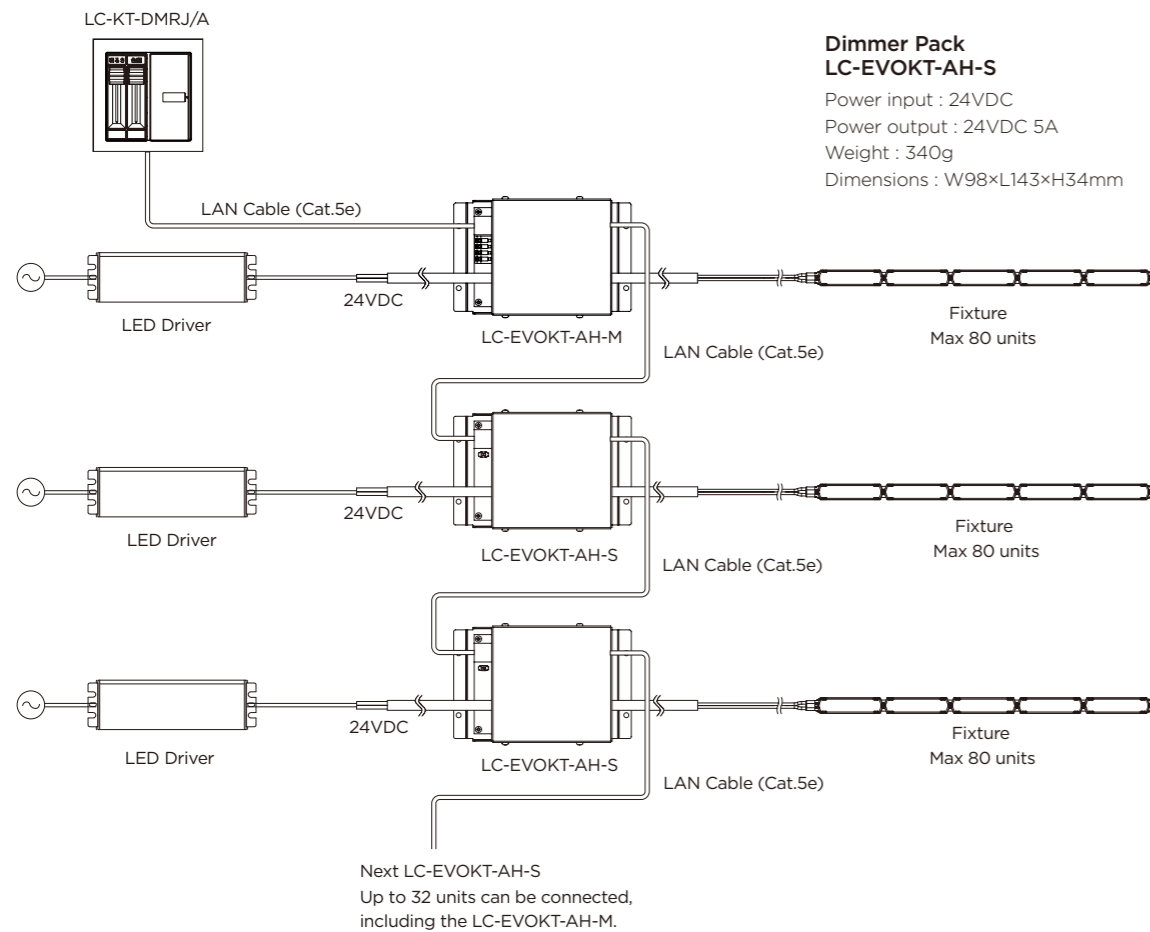
Recommended Lead Wire Size and Length Limitation

LED driver (non-dimming)	AWG14 55m
LED driver + LC-1CH-MULTI or LC dimming	

The distance from the power supply to the fixture, and the load of the fixture, will determine the proper size of secondary wire. Fixtures require an individual lead. If additional wire needs to be attached, refer to the recommendation in this chart.

KT Dimming System

This proprietary dimming system provides the ability to tune in a kelvin temperature with one slide, and full-range dimming of the selected choice with the other. The LC-KT-DMRJ/A Wall Dimmer connects to one LC-EVOKT-AH-M Dimmer Pack. Up to 32 LC-EVOKT-AH-S Dimmer Packs may be connected in series if the total length of all CAT5e cable does not exceed 50m from the dimmer pack (LC-EVOKT-AH-M) to the last dimmer pack (LC-EVOKT-AH-S). CAT5e cables are to be provided on the site.



KT Controllers **REQUIRED**

Wall Dimmer LC-KT-DMRJ/A

Weight : 190g
Operating Temperature : 0-+40°C



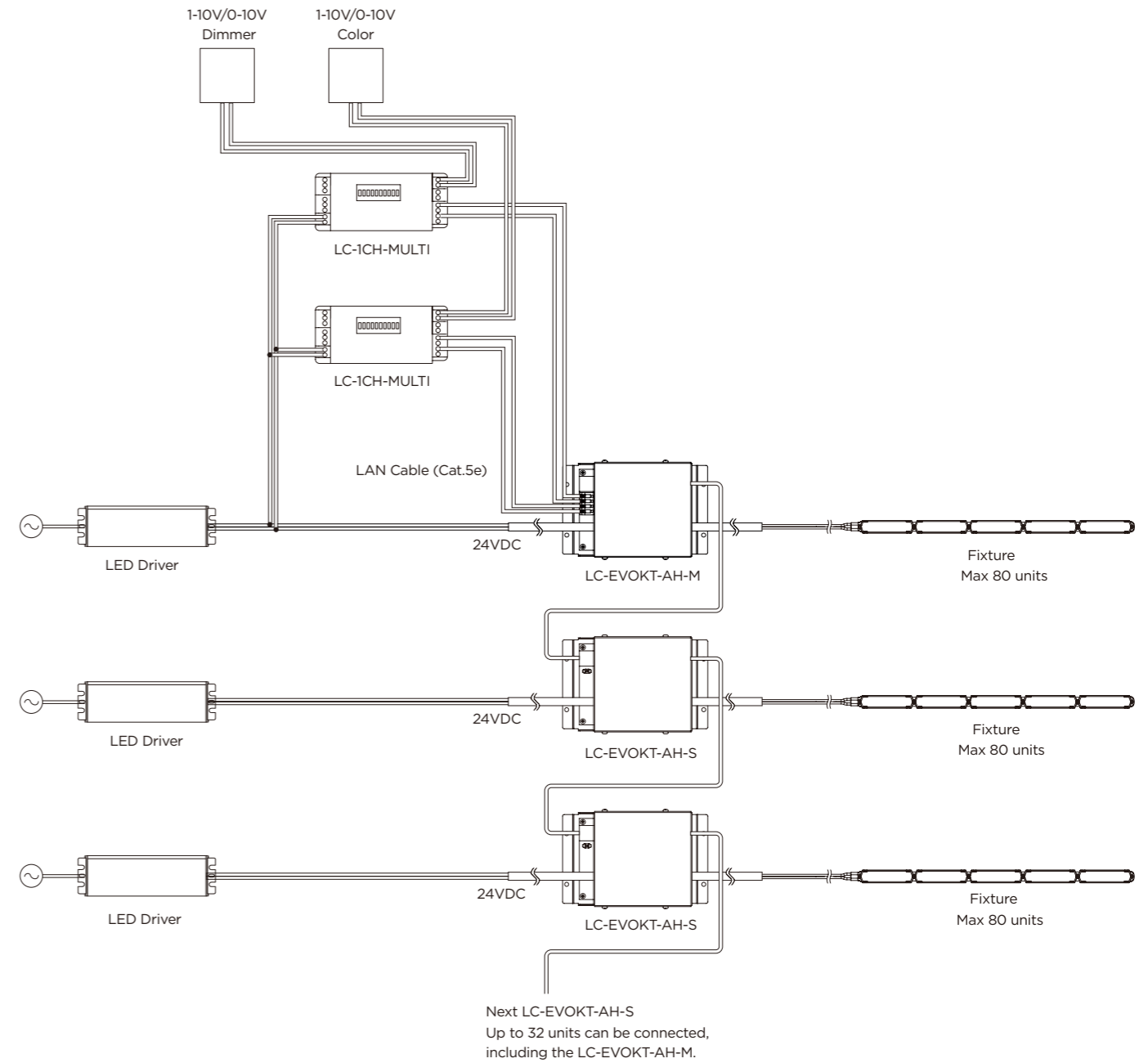
Dimmer Pack LC-EVOKT-AH-M

Power input : 24VDC
Power output : 24VDC 5A
Weight : 350g
Dimensions : W98xL143xH34mm



Dimmer Pack LC-EVOKT-AH-S

Power input : 24VDC
Power output : 24VDC 5A
Weight : 340g
Dimensions : W98xL143xH34mm



Recommended Lead Wire Size and Length Limitation

LED driver + KT dimming	AWG14 55m
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The distance from the power supply to the fixture, and the load of the fixture, will determine the proper size of secondary wire. Fixtures require an individual lead. If additional wire needs to be attached, refer to the recommendation in this chart.

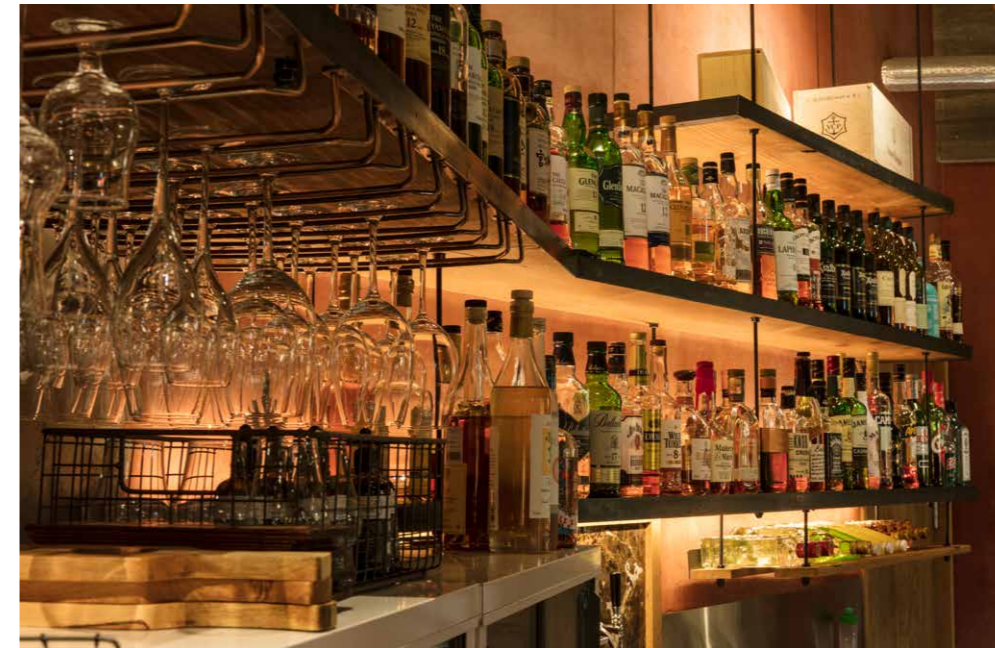
⚠ PRECAUTIONS

1. Read all instructions completely before beginning installation.
2. 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.
5. 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.

CABLE LIGHT SERIES INDIRECT-MINI



Voltage = 8VDC
 Wattage = 0.2W/LED
 Main Material = PC
 Weight = 90g/m
 Lead Cable = AWG18 x 2 L=0.5m



CITAN



CTO-50-2400K

CTO-□□-□□□□K

LED Spacing

30 : 30mm
 50 : 50mm
 80 : 80mm
 100 : 100mm
 150 : 150mm

LED Color

2000K BL : Blue
 2400K GR : Green
 2700K RD : Red
 3000K AM : Amber
 5000K

Catalog #	Power	Length / run
CTO-30-__	6.67W/m	0.2 - 9.5m
CTO-50-__	4.00W/m	0.2 - 12.3m
CTO-80-__	2.50W/m	0.2 - 15.6m
CTO-100-__	2.00W/m	0.2 - 17.6m
CTO-150-__	1.34W/m	0.2 - 21.6m

Refer to page 27-28 for the power supply and dimming system of Cable Light Series.

CABLE LIGHT SERIES MINI-CHANNEL



Voltage = 8VDC
 Wattage = 0.2W/LED
 Main Material = PC
 Weight = 160g/m
 Lead Cable = AWG18 x 2 L=0.5m

MCW-□□-□□□□K

LED Spacing

30 : 30mm
 50 : 50mm
 80 : 80mm
 100 : 100mm
 150 : 150mm

LED Color

2000K BL : Blue
 2400K GR : Green
 2700K RD : Red
 3000K AM : Amber
 5000K

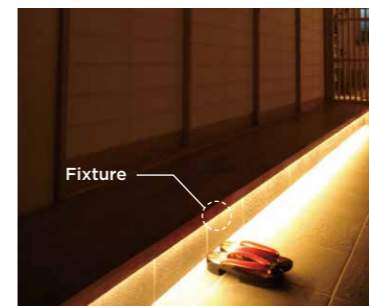
Catalog #	Power	Length / run
MCW-30-__	6.67W/m	0.2 - 9.5m
MCW-50-__	4.00W/m	0.2 - 12.3m
MCW-80-__	2.50W/m	0.2 - 15.6m
MCW-100-__	2.00W/m	0.2 - 17.6m
MCW-150-__	1.34W/m	0.2 - 21.6m

Refer to page 27-28 for the power supply and dimming system of Cable Light Series.

System Features

Point
01

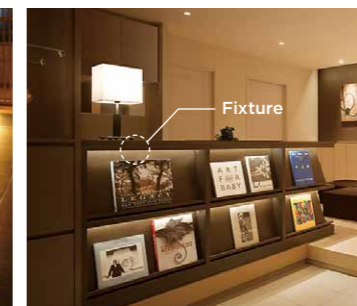
For extremely narrow spaces



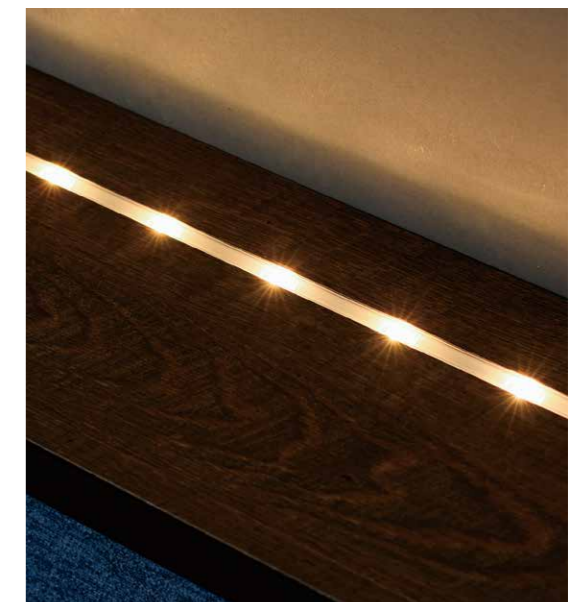
Soft gradation from the bottom.

Point
02

For floor and wall embedding



Replaceable LED lamps.



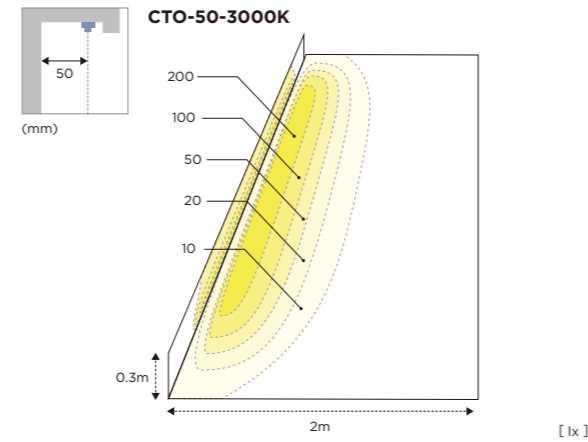
Mini-Channel has a cover attached to the Indirect-Mini.

Compact body allows installation in small gaps.
 Photo to the left: installed as an indirect step light.
 Photo to the right: installed in bookshelves to warmly accent items.

LED Colors, lm

2000K : 6.8lm/LED CRI = 85	5000K : 11.7lm/LED CRI = 85
2400K : 9.5lm/LED CRI = 85	BL : 2.2lm/LED RD : 4.2lm/LED
2700K : 10.7lm/LED CRI = 85	GR : 4.9lm/LED AM : 0.7lm/LED
3000K : 9.0lm/LED CRI = 85	

Light Distribution



Options

DSN-EP	Lead wire extension processing Up to 5m (Processing length unit : 1m)
DSN-WTAN	Both ends lead wire attachment processing Attach a 0.5m of lead wire to each side
MC-EDD	Decorative end cap for end side of Mini-Channel
MC-EDL	Decorative end cap for cable side of Mini-Channel
CTO-CP/10	Mounting clamp for Indirect-Mini (10pcs/set)
WM-1011	Adhesive tape (Strong, L=11m, W=10mm) ※CTO-CP & WM-1011 cannot be used together.

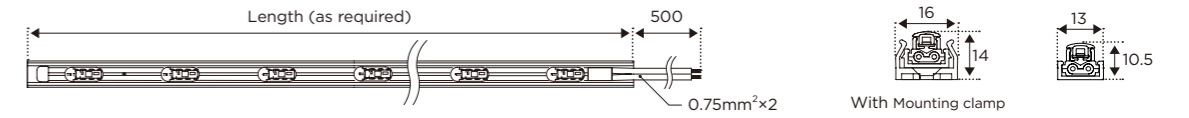
Lumen value per meter

LED Spacing	30mm	50mm	80mm	100mm	150mm
2400K	317	190	119	95	63
3000K	300	180	112	90	60
5000K	333	200	125	100	66

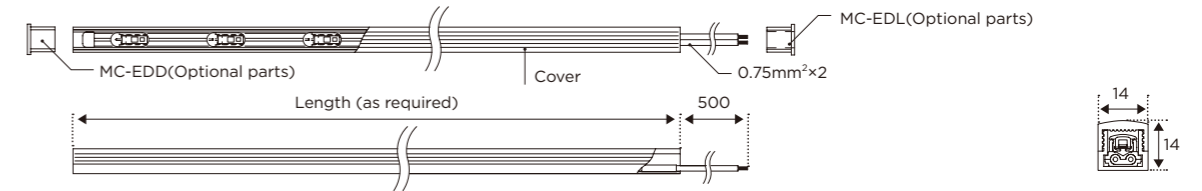
(lm/m)

Specifications

INDIRECT-MINI



MINI-CHANNEL



Instructions

INDIRECT MINI



Using screws attach mounting clamps to the mounting surface, then insert the fixture. 3mm Ø screws are to be provided on the jobsite.

※ Recommended Q'ty : 3pcs/m

CTO-CP/10	Mounting clamp for Indirect-Mini (10pcs/set)
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MINI CHANNEL



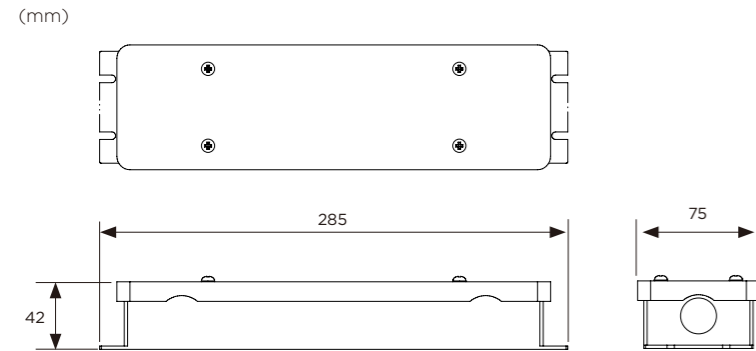
Adhesive tape
Silicone sealant
※ Silicone sealant is prepared on job site.

WM-1011	Adhesive tape (Strong, L=10m, W=11mm)
---------	---------------------------------------

8VDC LED Drivers

LDR8-40

Tokistar's LDR8-40 is a 40 Watt LED driver used to convert an AC input into an 8VDC output. It may be operated from a wide range of input voltages.



Specifications

Input Range : 90-305VAC
 Frequency Range : 47-63Hz
 Output : 8VDC (Adjustable +5% / -30%)
 Max. Output Current : 5.0A
 Max. Output Power : 40W
 Protection : Overload, Overcurrent, Short Circuit
 Operating Temperature : -30°C to + 60°C

Mechanical Specifications

Dimensions : 75 x 285 x 42mm
 Weight : 0.97kg
 Enclosure Rating : Nema 3/IP65
 Mounting : Flange Mount
 Connection : Knockouts for 1/2" Conduit

LED Capacity

0.20 Watt LEDs : 200 each

LC-1CH-MULTI Dimming System/8VDC

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 pre-set light level can be set without the use of an external dimmer.



LC-1CH-MULTI

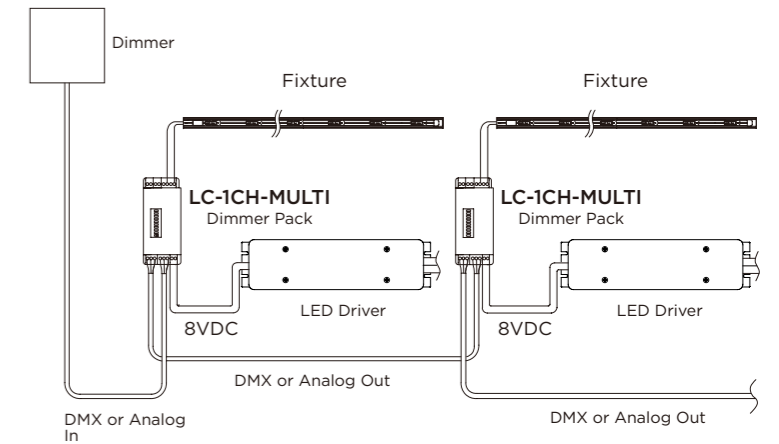
Technical Specifications :
 Max. Load : 40W @ 8VDC
 Environmental Rating : Dry Location/IP20
 Dimensions : W40 x L90 x H20mm
 Weight : 50g
 Listing : ETL Listed/CE Certified
 Operating Temperature : 0-+50°C

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.

Recommended Lead Wire Size and Length Limitation

LED driver (non-dimming)	AWG14 17m
LED driver + LC-1CH-MULTI or LC dimming	

The distance from the power supply to the fixture, and the load of the fixture, will determine the proper size of secondary wire. Fixtures require an individual lead. If additional wire needs to be attached, refer to the recommendation in this chart.

⚠ PRECAUTIONS

1. Read all instructions completely before beginning installation.
2. 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 all applicable codes.
5. 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.