

Outdoor
Strip light

LFU-0

Luci UQ FLEX IP67 RENEWAL

LFUA-0

Luci UQ FLEX α IP67 NEW

LFU-0



LFUA-0



Luci UQ FLEX IP67 / Luci UQ FLEX α IP67

LFU-0 RENEWAL / LFUA-0 NEW



Brewerkz Orchard Rendezvous Hotel



The Prince Gallery Tokyo Kioicho
Location: Japan
Architect Office: Nikken Sekkei Ltd
Interior Design: Rockwell Group, Europe

Lighting Design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co., Ltd. Consortium
Photo: TOSHIO KANEKO

Luci UQ FLEX IP67 / Luci UQ FLEX α IP67

Homogenous flexible light in top bend or side bend.
Ideal for facade, landscape lighting with connectable 10m length per run.

Specifications

Dimensions

Cross section W 16 x H 15 mm
Custom order up to 2m at every 100 mm length with both ends or one end feed cable
Up to 2 m in 100 mm increment

Feed cables are available in three directions: straight, side or back.
Do not allow to cut the LED fixture and cable at site.

Electrical & Output

Model	15	12	8
Power Consumption (W/m)	15.8	12.6	8.4
Luminous flux @ 3000K (lm/m)			
UQ FLEX IP67(LFU-O) Top bend	803	640	427
UQ FLEX α IP67(LFUA-O) Side bend	592	472	315

Color temperature



Ra 90

Please refer to the product specification page for the delivered CCT.

Optics



- Unique rounded corner light emitting surface for wide light distribution for less unpleasant peaks on the illuminated surface
- Cross-sectional size common to LFU-I and LFUA-I

Min Bending radius



Features

Cable feed directions

Back feed

For direct view
Required a hole/depth for cable on installation surface.



Side(Right) feed

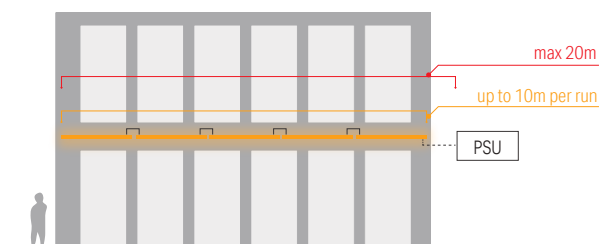
For indirect cove



Straight feed



Connectable up to 10m of luminaire per run thanks to the IC driver in each unit.
Less concern of PSU location!



LFU-O

RENEWAL

Color management
MacAdam 3 step



- Top bend dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, up to 10m per run
- 15.8W/m, 12W/m, 8W/m type
- Newly available back feed

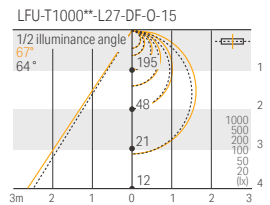


Model No.

LFU - **T** ☐ ☐ ☐ ☐ ☐ ☐ - ☐ - **DF** - **O** - ☐

Product Name	Length	Lead wire	Light source color	Tube type	Wattage
LFU	Refer to Custom order length	W: Bothends S: Oneend B: Back feed R: Side(Right) feed S: Straight feed	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	DF: Diffuser Environment O: Outdoor	15: 15.8 W/m 12: 12.6 W/m 8: 8.4 W/m

Light Intensity Refer to P.186



Specification

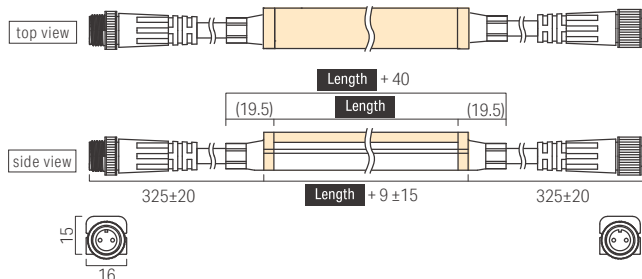
Model No.				LFU-T1000S/W B/R/S-□-DF-O-15		LFU-T1000S/W B/R/S-□-DF-O-12		LFU-T1000S/W B/R/S-□-DF-O-8	
Power consumption				15.8 W/m		12.6 W/m		8.4 W/m	
Fitting length(L)				1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)	
Weight				-		-		-	
Luminaire efficacy(2700K)				50.8 lm/W		50.8 lm/W		50.8 lm/W	
Light source color		Delivered CCT		○ = Device inventory * = Equivalent * = Please contact us since it is made-to-order products and has MOQ.					
D	6500K	Ra92	6000K	937lm	*	747lm	*	498lm	*
N	5300K	-	-	-	*	-	*	-	*
W	4200K	Ra93	4000K	966lm	○	770lm	○	513lm	○
WW	3500K	Ra93	3200K	865lm	○	689lm	○	460lm	○
L30	3000K	Ra94	2700K	803lm	○	640lm	○	427lm	○
L27	2700K	Ra93	2500K	781lm	○	623lm	○	415lm	○
L24	2400K	Ra93	2300K	730lm	○	582lm	○	388lm	○
L21	2100K	-		-	*	-	*	-	*
L19	1900K	-		-	*	-	*	-	*

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

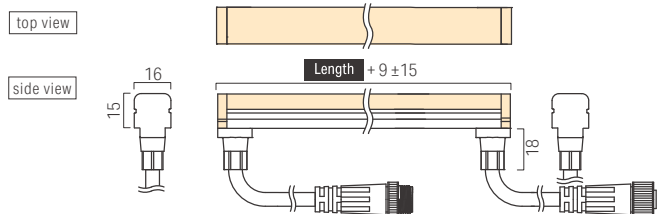
Input voltage	DC24V
Environment	Outdoor IP67, Indoor
Max. length	2m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	① Mounting rail set ② Mounting parts set ③ Mounting Clip ④ Power supply cable ⑤ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

W: Both ends lead, S: Straight feed

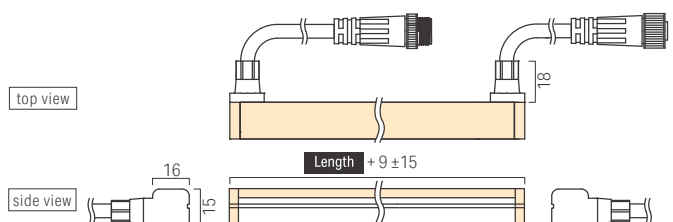


External dimensions

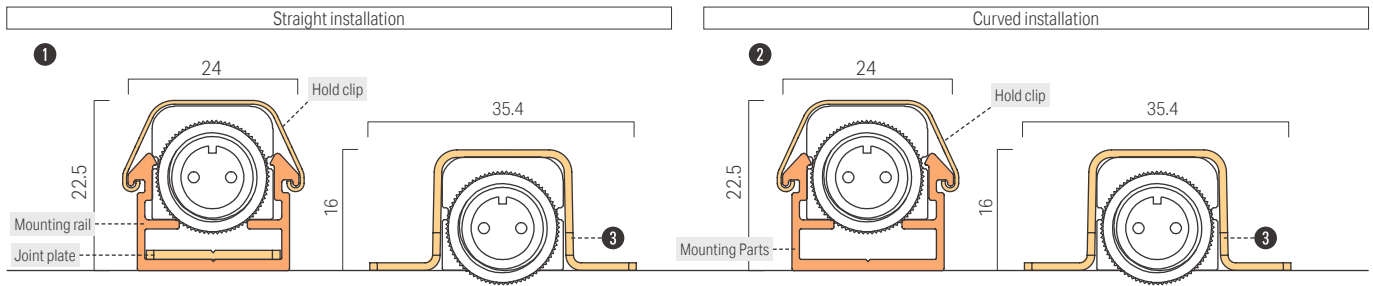
W: Both ends lead, B: Back feed



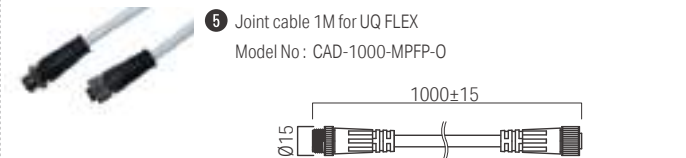
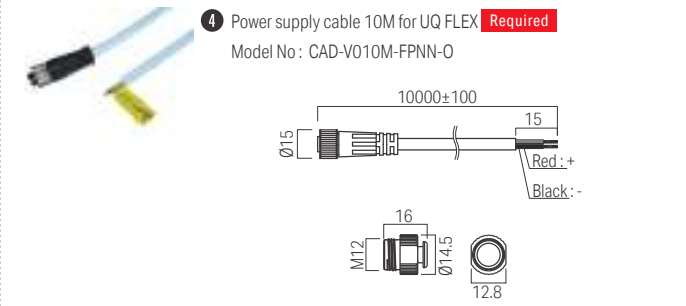
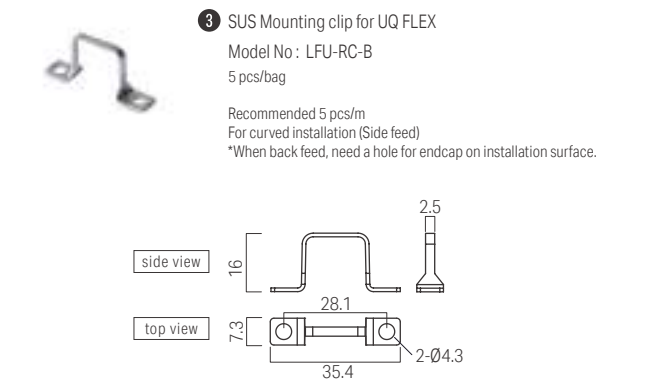
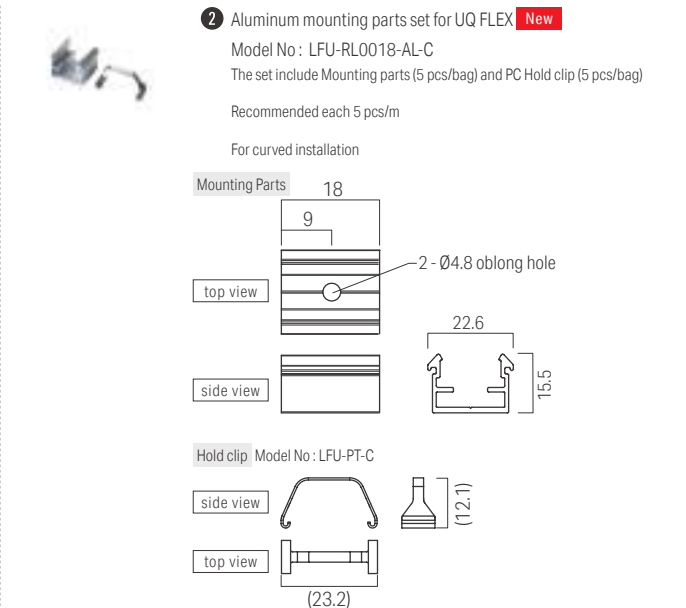
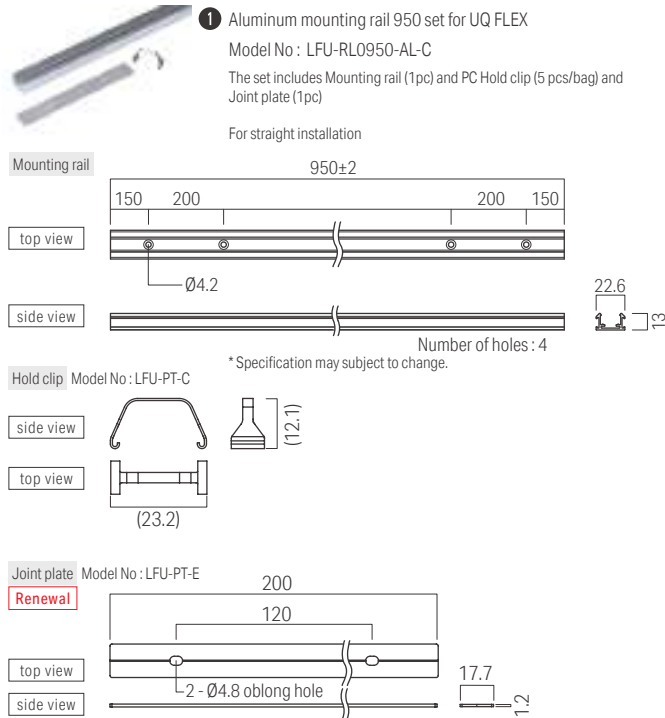
W: Both ends lead, R: Side(Right) feed



Cross sectional view when installing optional items

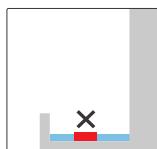


Option parts



Prohibited installation places

- Do not cut the LED fixture and the lead wire of outdoor product at a job site. Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.
- pooling water
 - liquids including choline or chemicals
 - high temperature and high humidity such as saunas
 - coastal areas which are affected by sea spray



Luci UQ FLEX IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)										
Corresponds to Length of Model No. and External dimensions										
0100	0300	0500	0700	0900	1100	1300	1500	1700	1900	
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	
~2.2m	~2.9m	~4.3m	50W power supply
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

LFUA-O NEW

Color management
MacAdam 3 step



- Side bend dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, up to 10m per run
- 15.8W/m, 12W/m, 8W/m type

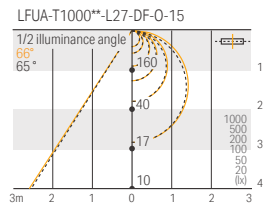


Model No.

LFUA - **T** ☐ ☐ ☐ ☐ ☐ - ☐ - **DF** - **O** - ☐

Product Name	Length	Lead wire	Light source color	Tube type	Wattage
LFUA	Refer to Custom order length	W: Bothends S: Oneend Lead wire B: Back feed R: Side(Right) feed S: Straight feed	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	DF: Diffuser Environment O: Outdoor	15: 15.8 W/m 12: 12.6 W/m 8: 8.4 W/m

Light Intensity Refer to P.187



Specification

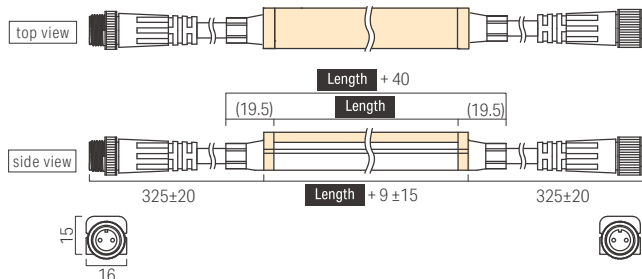
Model No.	LFUA-T1000S/W B/R/S-□-DF-O-15			LFUA-T1000S/W B/R/S-□-DF-O-12			LFUA-T1000S/W B/R/S-□-DF-O-8		
Power consumption	15.8 W/m			12.6 W/m			8.4 W/m		
Fitting length(L)	1000mm (Refer to Custom order length)			1000mm (Refer to Custom order length)			1000mm (Refer to Custom order length)		
Weight	-			-			-		
Luminaire efficacy(2700K)	37.5 lm/W			37.5 lm/W			37.5 lm/W		
Light source color	Delivered CCT	○ = Device inventory * = Equivalent * = Please contact us since it is made-to-order products and has MOQ.							
D 6500K Ra92	6000K	656lm *		523lm *		349lm *			
N 5300K -	-	- *		- *		- *			
W 4200K Ra93	4000K	656lm ○		531lm ○		354lm ○			
WW 3500K Ra93	3200K	603lm ○		481lm ○		320lm ○			
L30 3000K Ra94	2700K	592lm ○		472lm ○		315lm ○			
L27 2700K Ra93	2500K	547lm ○		436lm ○		291lm ○			
L24 2400K Ra93	2300K	514lm ○		410lm ○		273lm ○			
L21 2100K -		- *		- *		- *			
L19 1900K -		- *		- *		- *			

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

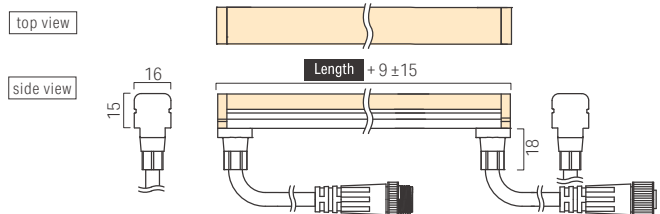
Input voltage	DC24V
Environment	Outdoor IP67, Indoor
Max. length	2m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	① Mounting rail set ② Mounting parts set ③ Mounting Clip ④ Power supply cable ⑤ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

W: Both ends lead, S: Straight feed

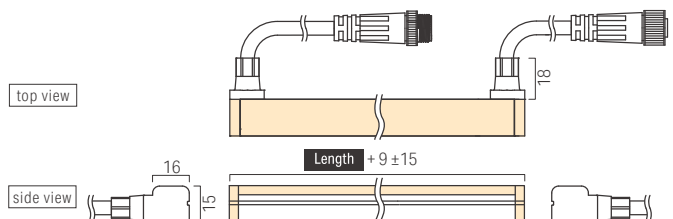


External dimensions

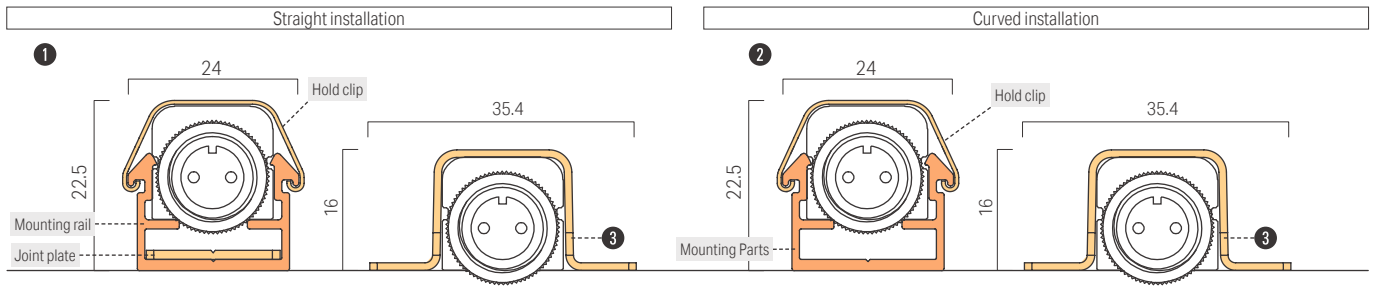
W: Both ends lead, B: Back feed



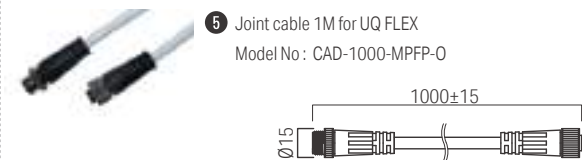
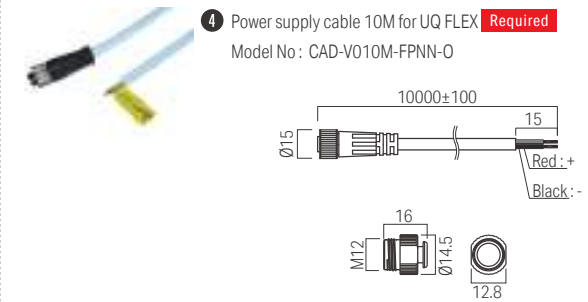
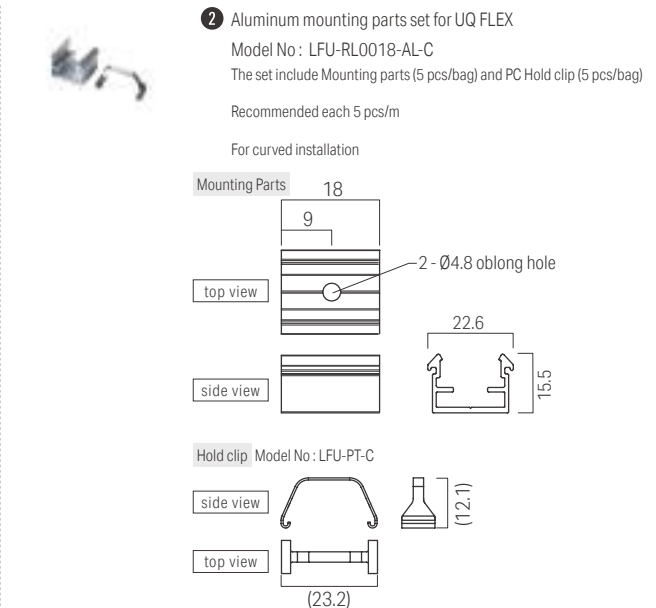
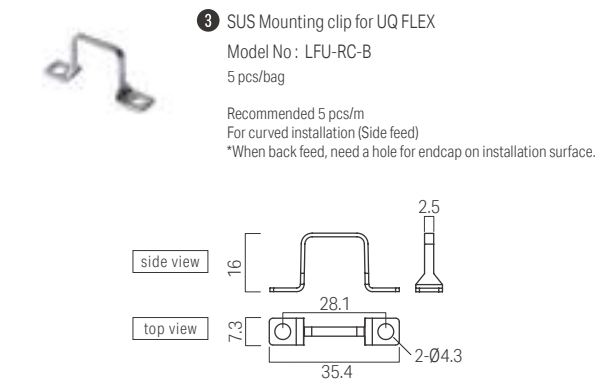
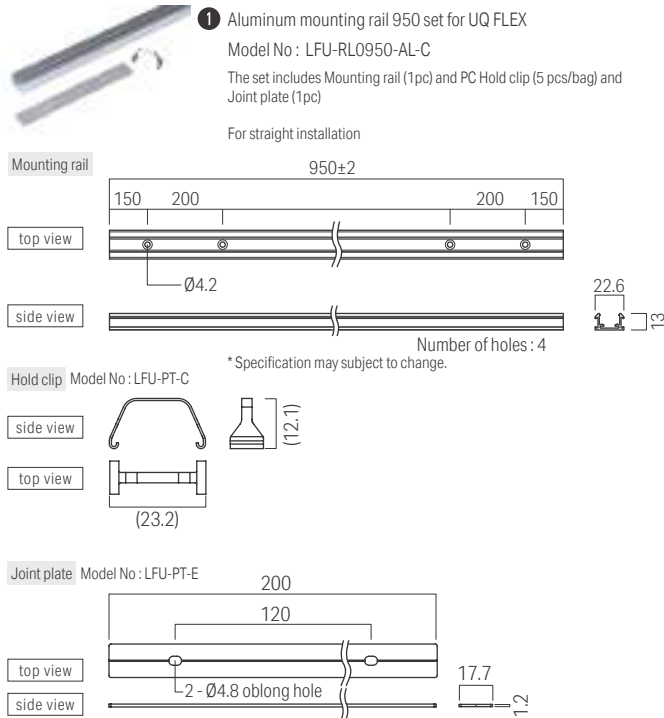
W: Both ends lead, R: Side(Right) feed



Cross sectional view when installing optional items



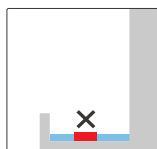
Option parts



Prohibited installation places

Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

- pooling water
- liquids including choline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Luci UQ FLEX α IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)									
Corresponds to Length of Model No. and External dimensions									
0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	50W power supply
~2.2m	~2.9m	~4.3m	
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

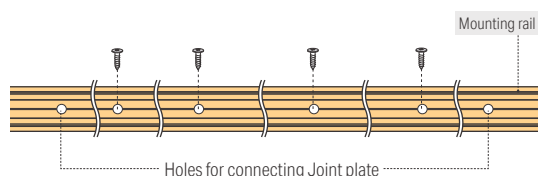
Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

Installing the product

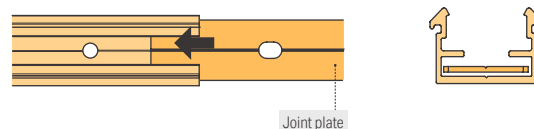
Installation with Mounting rail

① Aluminium mounting rail 950 set for UQ FLEX (LFU-RL0950-AL-C)

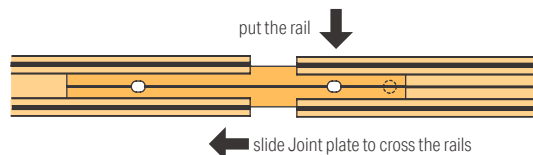
- ① Fix the aluminium rail by screws (pan head screw M4 recommended) supplied by installer. The screw holes at both ends should be left unused for installing with the Joint plate.



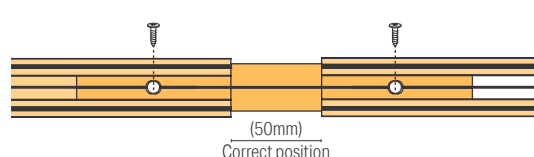
- ② When two or more rails are installed in a straight line, insert the Joint plate into bottom of the rail.



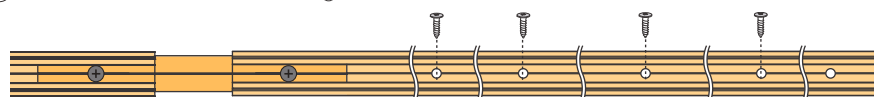
- ③ Put the second rail and slide the Joint plate as below.



- ④ Fix the holes of rails and plate altogether by screws.

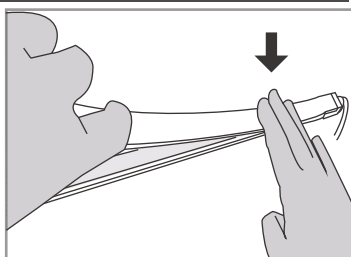


- ⑤ Fix the holes of second rail for installation like ①...



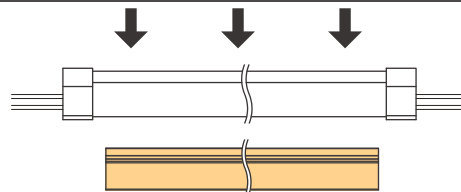
LFU-O Top / Vertical bend only

- ⑥ Hold one side of the LED fixture and gradually push on the other side into the aluminum rail.

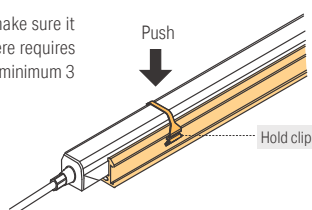


LFUA-O Side / Horizontal bend only

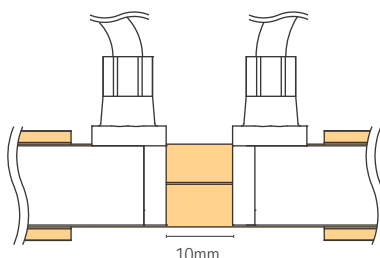
- ⑥ When installing LFUA (side bend) on the mounting rail, the LED fixture shall first be placed horizontally on the rail and the entire LED fixture shall be pushed gradually horizontally into the rail so that the LED fixture does not bend vertically.



- ⑦ Push the PC hold clip for UQ FLEX rail (LFU-PT-B) until click sound and make sure it is securely locked. SUS hold clip is recommended in the environment where requires durability or downwards installation. Recommended number of LFU-PT-B is minimum 3 pcs/m.



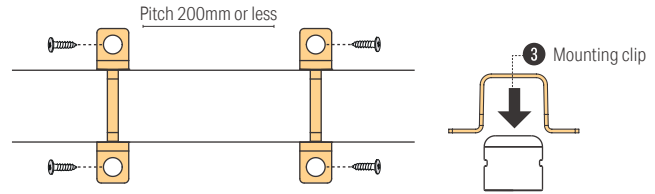
- ⑧ Please have 10mm gaps between 2 fittings to absorb the expansion and the contraction of lighting fixture.



Installation with Mounting clip

③ PC Mounting clip for UQ FLEX (LFU-RC-B)

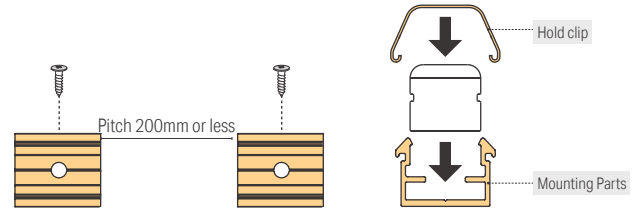
- ① Place the LED fixture on the surface to be installed.
Do not twist and bend the LED fixture in the wrong direction.
- ② Fix the mounting clip by 2pcs of screws supplied by installer.(pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The clips at both ends should be 50 mm away from the ends of the LED luminaire to prevent it from lifting.



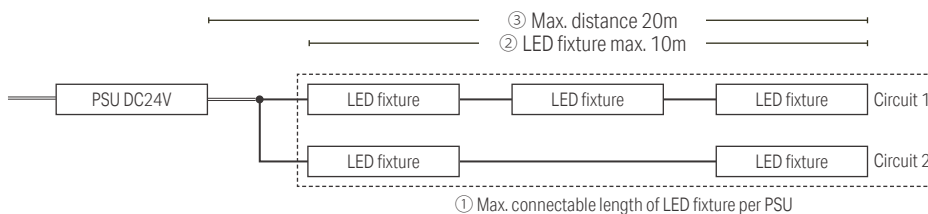
Installation with Mounting parts

② AL mounting parts set for UQ FLEX (LFU-RL0018-AL-C)

- ① Fix the aluminum mounting parts by 1 pc of screw to the points where the LED fixture is to be installed. (pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The mounting parts at both ends should be 50 mm away from the ends of the LED fixture to prevent it from lifting.
- ② Push the LED fixture into the clip while keeping the correct bending direction.
Caution: Do not bend the LED fixture in the wrong direction.
- ③ Put the PC hold clip (LFU-PT-B) until click sound and make sure it is securely locked. The hold clips should be used if the LED fixture is easily dislodged or installed downward.



System configuration diagram



- ① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)
- ② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.
- ③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12W/m	8W/m	50W power supply
~2.2m	~2.9m	~4.3m	
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

Luci UQ FLEX IP67 -Custom order-

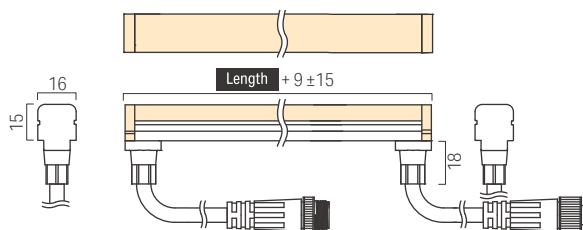
Model No.

Product name	Length	Lead Wire	Light source color	Tube type	Environment	Wattage
LFU - T - - DF - O -	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire B Back feed R Side(Right) feed S Straight feed	D Daylight white 6500K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K L21 Warm white 2100K 2100K L19 Warm white 1900K 1900K	DF Diffuser	O Outdoor	15 15.8W 12 12.6W 8 8.4W

External dimension

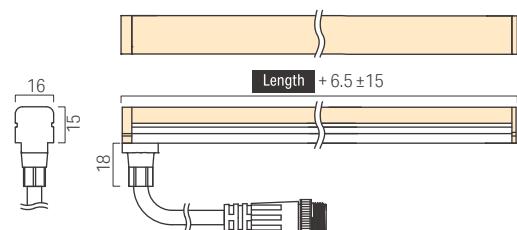
Luci UQ FLEX IP67 / **W** Both ends lead wire, **B** Back feed

LFU - T **WB -** **- DF - O -**



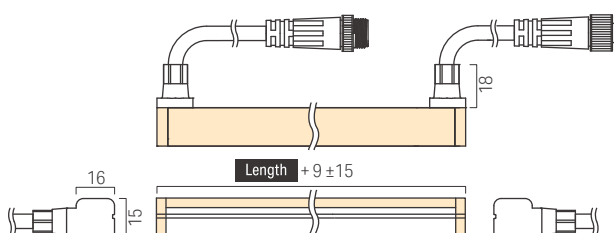
Luci UQ FLEX IP67 / **S** One end lead wire, **B** Back feed

LFU - T **SB -** **- DF - O -**



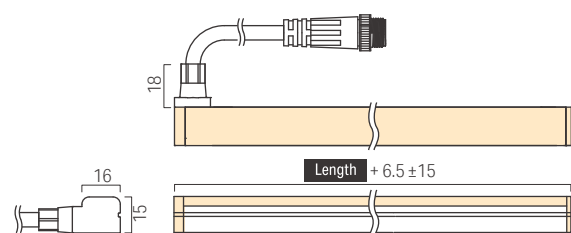
Luci UQ FLEX IP67 / **W** Both ends lead wire, **R** Side(Right) feed

LFU - T **WR -** **- DF - O -**



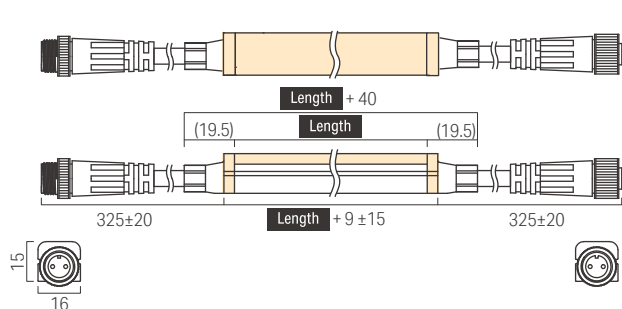
Luci UQ FLEX IP67 / **S** One end lead wire, **R** Side(Right) feed

LFU - T **SR -** **- DF - O -**



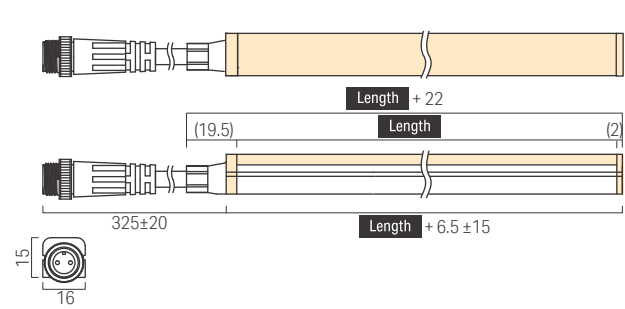
Luci UQ FLEX IP67 / **W** Both ends lead wire, **S** Straight feed

LFU - T **WS -** **- DF - O -**



Luci UQ FLEX IP67 / **S** One end lead wire, **S** Straight feed

LFU - T **SS -** **- DF - O -**



Custom order products size

Luci UQ FLEX IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)									
Corresponds to Length of Model No. and External dimensions									
0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Luci UQ FLEX α IP67 -Custom order-

Model No.

LFUA - T□□□□ □□ - □ - DF - O - □

Product name

Length

Lead Wire

Light source color

Tube type

Environment

Wattage

Refer to
"Custom order
products size"

W Both ends lead wire
S One end lead wire

Lead Wire

B Back feed
R Side(Right) feed
S Straight feed

D	Daylight white	6500K
N	Natural white	5300K
W	White	4200K
WW	Warm white 3500K	3500K
L30	Warm white 3000K	3000K
L27	Warm white 2700K	2700K
L24	Warm white 2400K	2400K
L21	Warm white 2100K	2100K
L19	Warm white 1900K	1900K

DF Diffuser

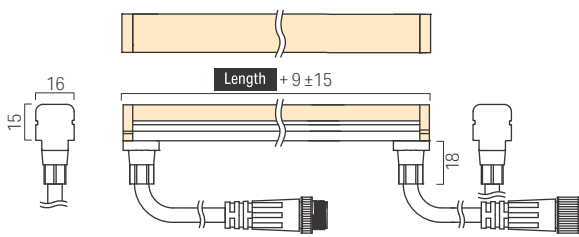
O Outdoor

15 15.8W
12 12.6W
8 8.4W

External dimension

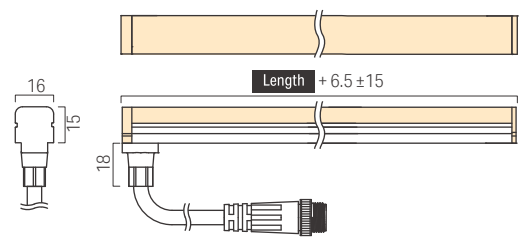
Luci UQ FLEX α IP67 / **W** Both ends lead wire, **B** Back feed

LFUA - T□□□□ **WB** - □ - DF - O - □



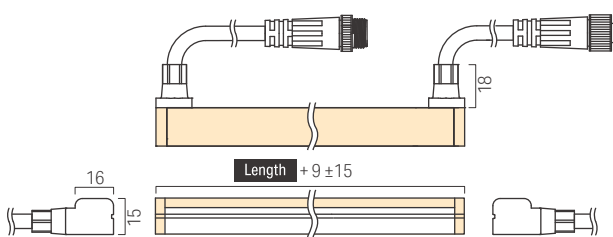
Luci UQ FLEX α IP67 / **S** One end lead wire, **B** Back feed

LFUA - T□□□□ **SB** - □ - DF - O - □



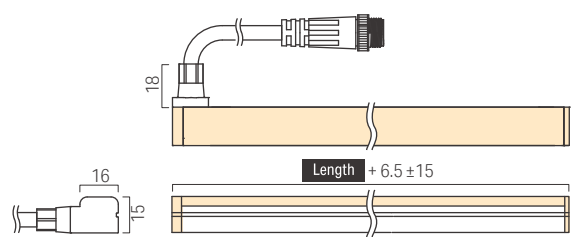
Luci UQ FLEX α IP67 / **W** Both ends lead wire, **R** Side(Right) feed

LFUA - T□□□□ **WR** - □ - DF - O - □



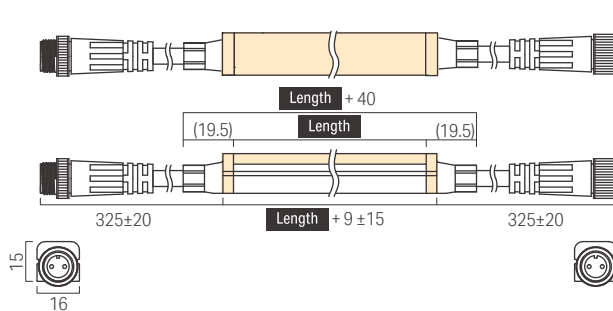
Luci UQ FLEX α IP67 / **S** One end lead wire, **R** Side(Right) feed

LFUA - T□□□□ **SR** - □ - DF - O - □



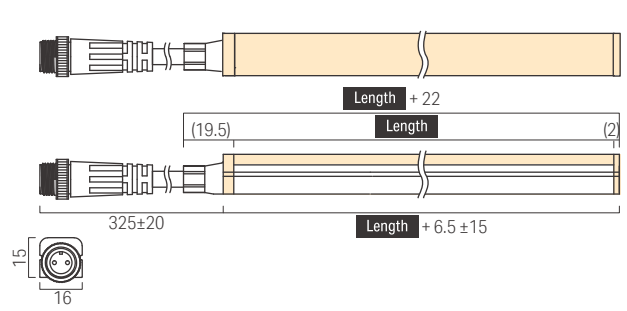
Luci UQ FLEX α IP67 / **W** Both ends lead wire, **S** Straight feed

LFUA - T□□□□ **WS** - □ - DF - O - □



Luci UQ FLEX α IP67 / **S** One end lead wire, **S** Straight feed

LFUA - T□□□□ **SS** - □ - DF - O - □



Custom order products size

Luci UQ FLEX α IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to **Length** of Model No. and External dimensions

0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

Illuminance data



LFU-O Luci UQ FLEX IP67

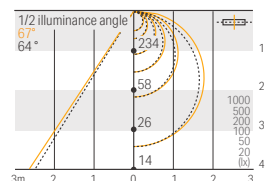
Color temperature

6500K 5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

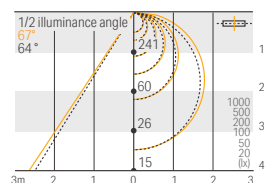
LFU-T1000**-D-DF-O-15

Light source color 6500K
Brightness 234 cd
Luminous flux 937 lm
Color rendering index Ra 93



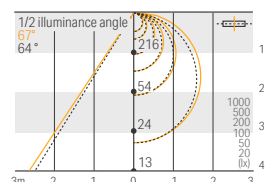
LFU-T1000**-W-DF-O-15

Light source color 4200K
Brightness 241 cd
Luminous flux 966 lm
Color rendering index Ra 92



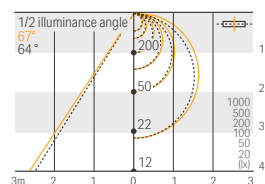
LFU-T1000**-WW-DF-O-15

Light source color 3500K
Brightness 216 cd
Luminous flux 865 lm
Color rendering index Ra 95



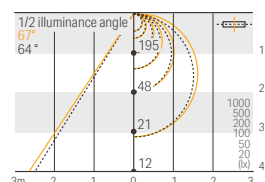
LFU-T1000**-L30-DF-O-15

Light source color 3000K
Brightness 200 cd
Luminous flux 803 lm
Color rendering index Ra 97



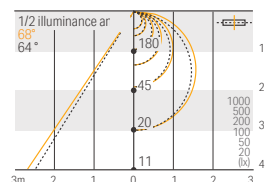
LFU-T1000**-L27-DF-O-15

Light source color 2700K
Brightness 195 cd
Luminous flux 782 lm
Color rendering index Ra 96



LFU-T1000**-L24-DF-O-15

Light source color 2400K
Brightness 180 cd
Luminous flux 731 lm
Color rendering index Ra 97



Illuminance data



LFUA-O Luci UQ FLEX α IP67

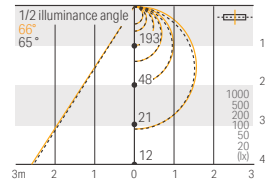
Color temperature

6500K 5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

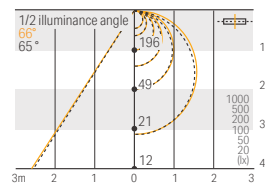
LFUA-T1000**-D-DF-O-15

Light source color 6500K
Brightness 193 cd
Luminous flux 657 lm
Color rendering index Ra 94



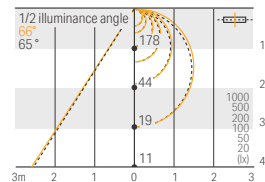
LFUA-T1000**-W-DF-O-15

Light source color 4200K
Brightness 196 cd
Luminous flux 666 lm
Color rendering index Ra 93



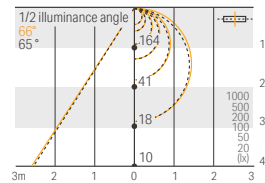
LFUA-T1000**-WW-DF-O-15

Light source color 3500K
Brightness 178 cd
Luminous flux 603 lm
Color rendering index Ra 96



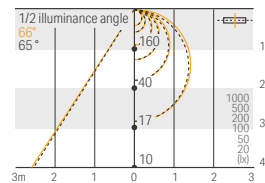
LFUA-T1000**-L30-DF-O-15

Light source color 3000K
Brightness 164 cd
Luminous flux 593 lm
Color rendering index Ra 97



LFUA-T1000**-L27-DF-O-15

Light source color 2700K
Brightness 160 cd
Luminous flux 548 lm
Color rendering index Ra 97



LFUA-T1000**-L24-DF-O-15

Light source color 2400K
Brightness 151 cd
Luminous flux 514 lm
Color rendering index Ra 98

