

Outdoor
Strip light

LFU

Luci UQ FLEX IP67

Color management
MacAdam 3 step



Luci UQ FLEX IP67

LFU

Luci UQ FLEX IP67 Renewal

Robust dotless flexible linear light provides you an infinite imagination of facade lighting



Victoria Theater
Lighting design: Lighting Planners Associates
Photo: Lighting Planners Associates

Ideal for
Outdoor facade,



Galaxis / Location: Singapore, Client: Ascendas Fusion 5, Architect & Interior Designer: Aedas, Lighting design: Light Cibles

Outdoor indirect lighting,



Indoor indirect lighting



The city and Hudson / Lighting consultant: GREYMATTERS

The above statements are only part of the cautions for outdoor use of the product. Contact a sales representative when you consider using the product outdoors. When the product is installed under any inappropriate condition, it is not covered by warranty.



- Intensive brightness 1000 lm/M
- Customizable length up to 5 meter

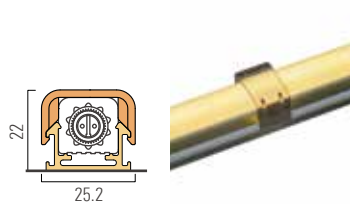
Straight feed



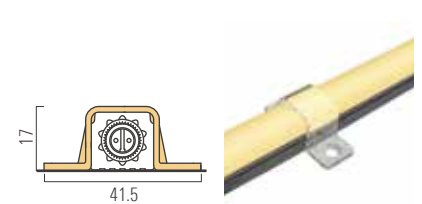
Choice of mounting depends on installation area,

For the place close to eye level

For cove light



Straight feed cable, short rail and polycarbonate clip



Straight feed cable and clip

Renewal point

The end cap of UQ FLEX are improved to smaller for reducing dark spot. Until the renewed model is released, the existing model listed in the 2018 vol.1 catalogue will continue. Please contact our sales for further details.

Model in 2018 catalog



Coming soon



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Luci UQ FLEX α IP67

Side bend type will be added in UQ FLEX Series.

(Provisional specification)

- W 10mm x H 20m, 400 lm/m in 17W/m
- Body: Sylicon, Cable: Sylicon, IP68 connector
- Monting clip and bendable mounting rail for curved installation

Please contact Luci sales representative for further information.

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Release in 10.2020

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- Fully dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, 5m for indoor usage with clip
- 15.8W/m, 12W/m, 8W/m type

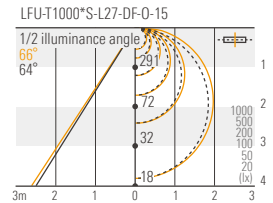


Model No.

LFU - **T** **S** - - **DF** - **O** -

Product Name	Length	Lead wire	Light source color	Tube type	Wattage
LFU	Refer to Custom order length	W: Both ends S: One end	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	15 : 15.8 W/m 12 : 12.1 W/m 8 : 8 W/m
		Lead wire S : Straight feed		Environment O : Outdoor	

Light Intensity Refer to P.181



Specification

Model No.	LFU-T1000S/W S-DF-O-15	LFU-T1000S/W S-DF-O-12	LFU-T1000S/W S-DF-O-8
Power consumption	15.8 W/m	12 W/m	8 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)	65.5 lm/W	65.5 lm/W	65.5 lm/W
Light source color	○ = Device inventory * = Equivalent ** = Please contact us since it is made-to-order products and has MOQ.		
D 6500K	* -	* -	* -
N 5300K	* -	* -	* -
W 4200K Ra84	○ 1079 lm	○ 852 lm	○ 587 lm
WW 3500K	* -	* -	* -
L30 3000K Ra82	○ 1060 lm	○ 837 lm	○ 576 lm
L27 2700K Ra80	○ 983 lm	○ 776 lm	○ 535 lm
L24 2400K Ra80	○ 954 lm	○ 753 lm	○ 519 lm
L21 2100K	* -	* -	* -
L19 1900K	* -	* -	* -

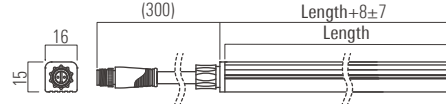
Specification may be subject to change without announcement. The optical data provided on the each product pages are for reference only, the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

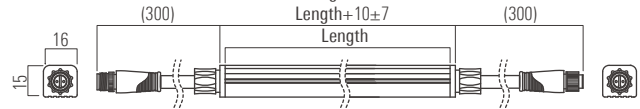
Input voltage	DC24V
Environment	Outdoors (no condensation) IP67
Max. length	5m(using indoor), 2m(using outdoor)
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicon
Attachments	② Mounting clip
Option parts	① Mounting rail ② Mounting clip ③ ④ Hold Clip ⑤ Power supply cable ⑥ Joint cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimensions

Luci UQ FLEX IP67 / One end lead wire / Straight feed cable



Luci UQ FLEX IP67 / Both ends lead wire / Straight feed cable



Luci UQ FLEX IP67 (15.8 W/m, 12.1 W/m, 8 W/m)

Corresponds to Length of Model No. and External dimensions

0100	0600	1100	1600	2100	2600	3100	3600	4100	4600
0200	0700	1200	1700	2200	2700	3200	3700	4200	4700
0300	0800	1300	1800	2300	2800	3300	3800	4300	4800
0400	0900	1400	1900	2400	2900	3400	3900	4400	4900
0500	1000	1500	2000	2500	3000	3500	4000	4500	5000

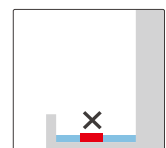
Maximum custom order length

Usage environment	Install with ① Mounting rail	Install with ② Mounting clip
Outdoor	max 2m	
Indoor	max 2m	max 5m

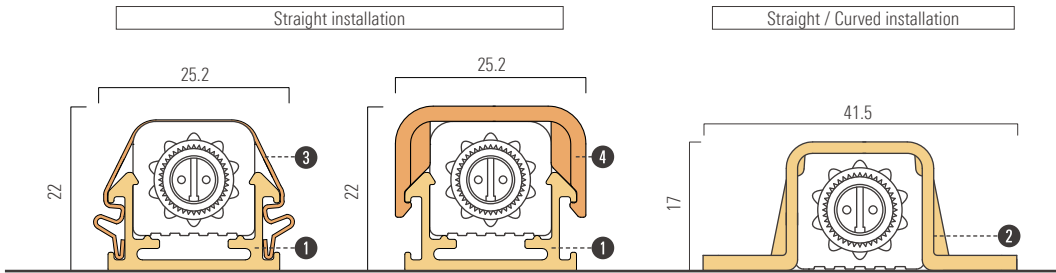
Prohibited installation places

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 chrolone or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Cross sectional view when installing optional items



Option parts

1 Aluminum Mounting Rail A Type 950 for UQ FLEX H13
Model No : LFU-RL0950-AL-A

Number of holes : 4
* Specification may subject to change.

2 Mounthing Clip for UQ FLEX Attachment
Model No : LFU-RC
Attached with LED fixture for extra order, 5 pcs / bag

Length	~0.5m	~1m	~2m	~3m	~4m	~5m
pcs	2	3	5	7	9	11

3 SUS hold clip A for UQ FLEX AL rail
Model No : LFU-PT-A
5 pcs / bag
Recommended number min. 3 pcs /m
For high rise building, secure to hold LED fixture in the mounting rail

4 PC hold clip B for UQ FLEX AL rail
Model No : LFU-PT-B
5 pcs / bag
Recommended number min. 3 pcs /m
For the place close to eye level

5 Power supply cable 10M for UQ FLEX **Required**
Model No : CAD-V010M-FKNN-O
Connector cap (1 pc) is attached

※ Connector cap is attached.

6 Joint cable 1M for UQ FLEX
Model No : CAD-1000-MKFK-O

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	100W power supply
~2.2m	~2.9m	~4.3m	
~4.4m	~5.8m	~8.7m	50W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

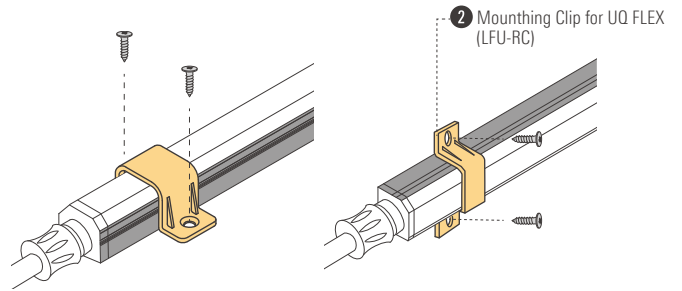
Luci UQ FLEX IP67

Installing the product

Installation with Mounting Clip

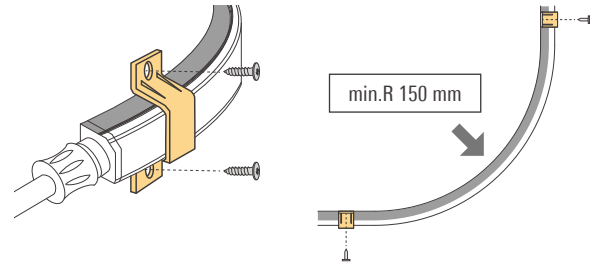
Straight installation

Fix the mounting clip by 2 pcs of screws supplied by installer (Pan head screw M4 recommended).



Curved installation

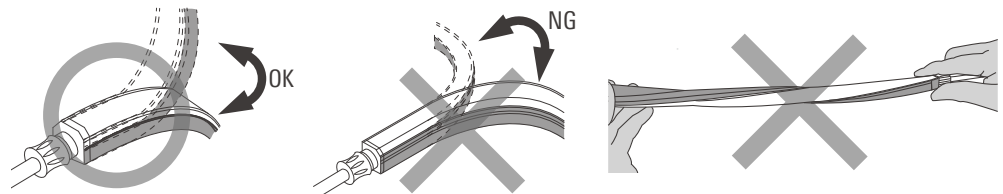
UQ FLEX can be installed in curved surface as below picture. The minimum bending radius is 150 mm.



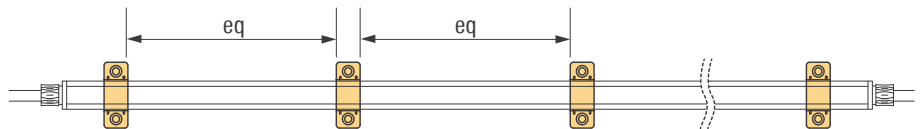
Caution:

Do not bend the LED fixture to side direction. If bend it wrongly, FPC (flexible printed circuit board) will be damaged and the lighting fixture will not turn on.

Do not twist the LED fixture as it will damage and break the FPC (flexible printed circuit board) and the lighting fixture will not turn on.



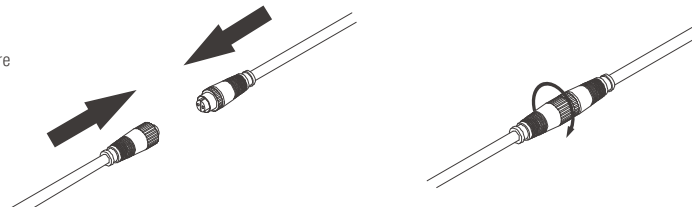
Mounting clips at both ends should be far from 50 mm or more from the side cap.
Keep the distance between mounting clips the same. (400 mm to 500 mm recommended)



Length(mm)	100~500	600~1000	1100~2000	2100~3000	3100~4000	4100~5000
② Mounting Clip for UQ FLEX	2	3	5	7	9	11

*Maximum custom length when use Mounting clip for UQ FLEX is,
for outdoor usage: max. 2m
for indoor usage: max. 5m

Ensure the pin holes in the connectors are positioned correctly before joining them. To fasten, rotate the metallic knobs until tightened



Caution:

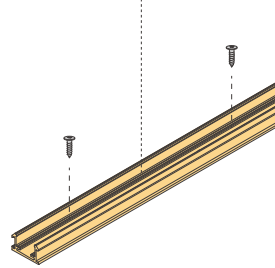
The unenclosed connector at the terminal of UQ FLEX must be sealed with connector cap which is enveloped in the power supply cable(CAD-V010M-FKNN-0). To fasten, rotate the metallic knobs until tightend.



Installation with Mounting rail

Fix the aluminum rail by screws supplied by installer (Pan head screw M4 recommended).

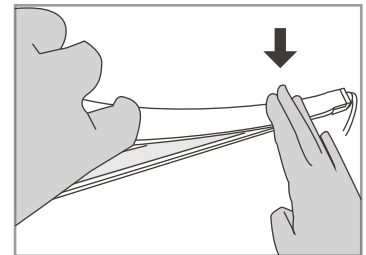
1 Aluminum Mounting Rail A Type 950 for UQ FLEX H13 (LFU-RL0950-AL-A)



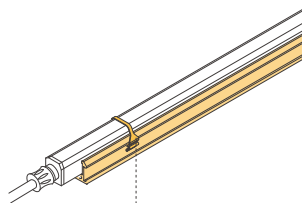
Hold one side of the lighting fixture and push on the other side, the lamp will gradually enter the aluminum rail.

Caution:

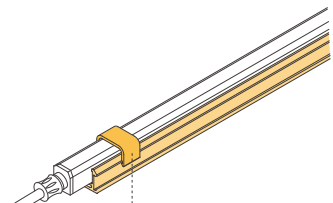
Do not bend the LED fixture to side direction. If bend it wrongly, FPC (flexible printed circuit board) will be damaged and the lighting fixture will not turn on.



Push the SUS hold clip (LFU-PT-A) or PC hold clip (LFU-PT-B) until click sound and make sure it is securely locked. SUS hold clip is recommended in the environment where requires the durability.



3 SUS hold clip A for UQ FLEX AL rail (LFU-PT-A)



4 PC hold clip B for UQ FLEX AL rail (LFU-PT-B)

Length(mm)	100~500	600~1000	1100~2000
3 SUS hold clip A for UQ FLEX AL rail			
4 PC hold clip B for UQ FLEX AL rail	2	3	5

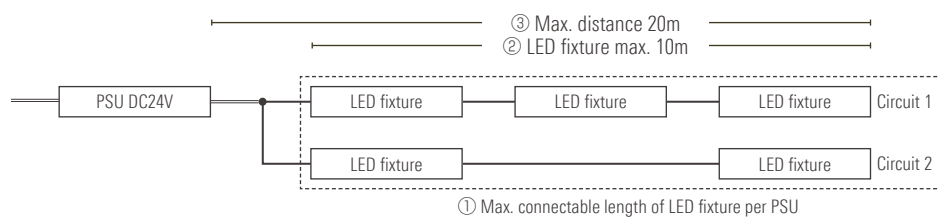
*Maximum custom length when use Aluminium rail for UQ FLEX is 2m.

Aluminum rail cut

The aluminium rail a type (LFU-RL0950-AL-A) can be cut according to the length of lighting fixture. Aluminum rail mounting holes can also be made at the site by the installer.

Luci UQ FLEX IP67

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	100W power supply
~2.2m	~2.9m	~4.3m	
~4.4m	~5.8m	~8.7m	50W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

Illuminance data

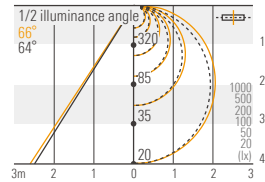


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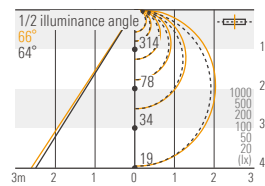
Color temperature
4200K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

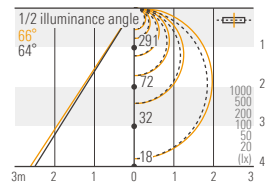
LFU-T1000**-W-DF-0-15
Light source color 4200K
Brightness 320 cd
Luminous flux 1079 lm
Color rendering index Ra 84



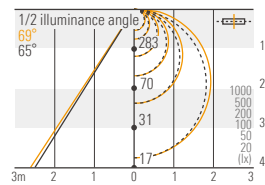
LFU-T1000**-L30-DF-0-15
Light source color 3000K
Brightness 314 cd
Luminous flux 1060 lm
Color rendering index Ra 82



LFU-T1000**-L27-DF-0-15
Light source color 2700K
Brightness 291 cd
Luminous flux 983 lm
Color rendering index Ra 80

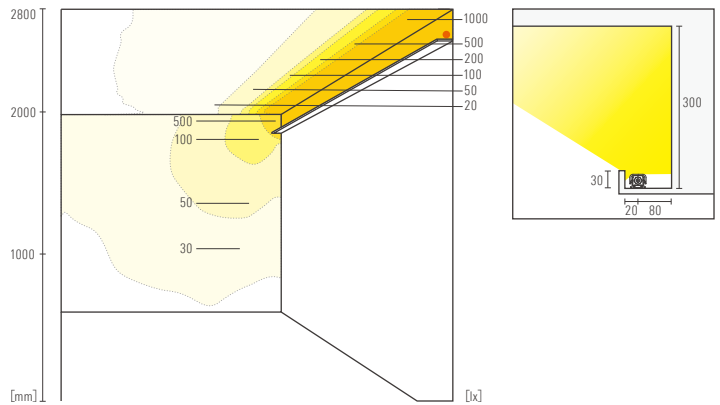


LFU-T1000**-L24-DF-0-15
Light source color 2400K
Brightness 283 cd
Luminous flux 954 lm
Color rendering index Ra 80

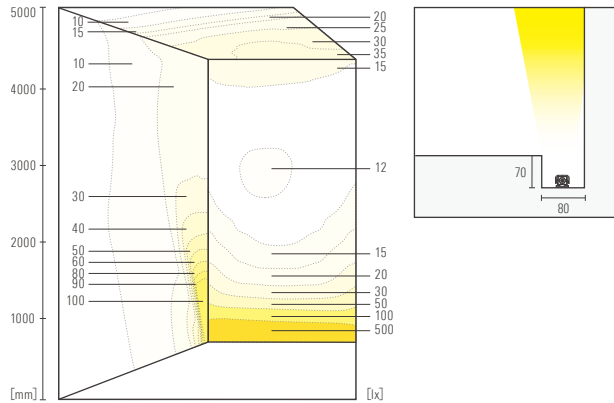


Recommend dimensions and illumination distributions

CH=5000



Cove lighting CH=5000



Distance from wall

