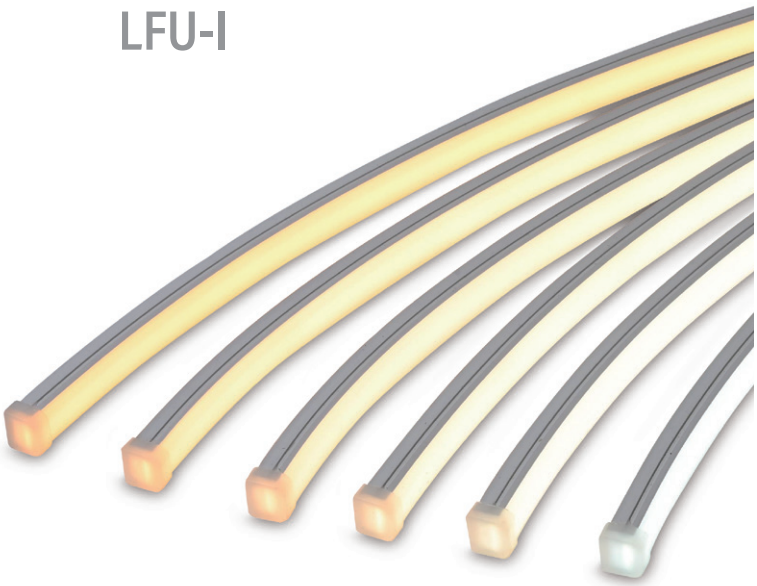
Indoor
Strip light

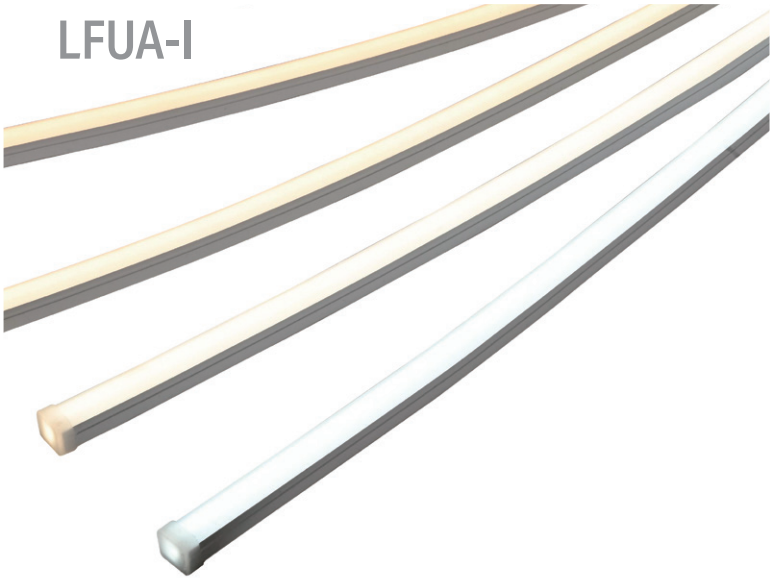
LFU-I
Luci UQ FLEX Indoor NEW

LFUA-I
Luci UQ FLEX α Indoor NEW

LFU-I



LFUA-I



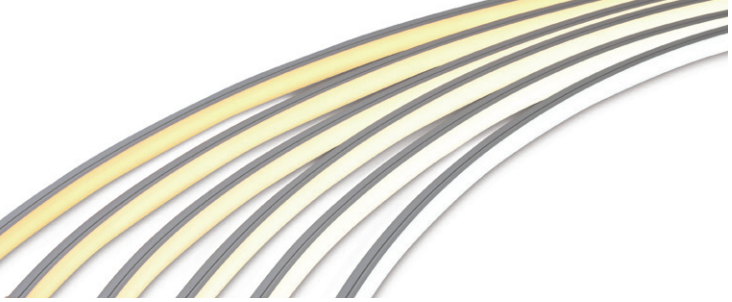
LFU / LFUA NEW

TOKYO MIDTOWN HIBIYA
Location: Japan
Architect office: NOMURA Co., Ltd.

Lighting Design: Noosa Design Co., Ltd.
Construction: KAJIMA CORPORATION
Photo: Nacása & Partners Inc.

JG Dubai
Location: Dubai
Architects Office: Curiosity

Lighting Design: L'Observatoire International
Construction: RK Gulf LLC
Photo: Nacása & Partners Inc.



Luci UQ FLEX / Luci UQ FLEX α

Homogenius bendable liear light cuttable every 50mm at site
Ideal choice to avoid unpleasant dot reflection
for any curved concealed lightling
LFU: Verical (Top) bend
LFUA: Horizontal (Side) bend

Specifications

Dimensions

Cross section W 16 x H 15 mm
Custom order up to 5m at every 50 mm length with both ends or one end feed cable

Up to 5 m in 50 mm increment

Feed cables are available in two directions: side or back freed

Cuttable the LED fixture every 50mm at site. If a luminaire with a both-side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were a one-side feed.

Electrical & Output

Model		15	12	8
Power Consumption (W/m)		15.8	12.6	8.4
Luminous flux @ 3000K (lm/m)				
UQ FLEX (LFU)	Top bend	774	617	411
UQ FLEX α (LFUA)	Side bend	573	457	305

Color temperature

7100K | 5300K | 4200K | 3500K | 3000K | 2700K | 2400K | 2100K | 1900K

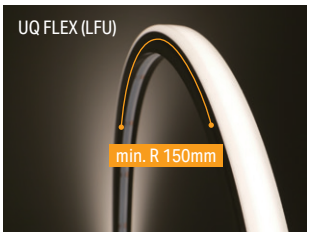
Ra 90

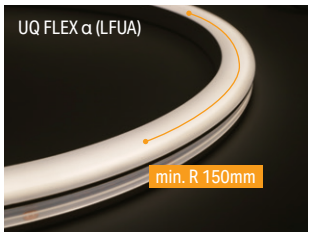
Please refer to the product specification page for the delivered CCT.

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

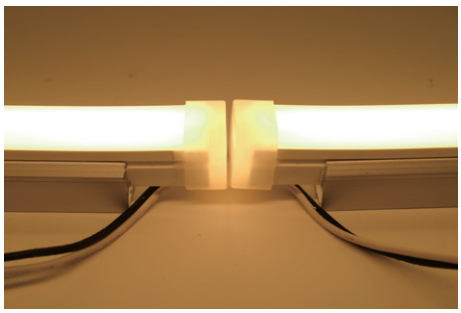
Cable feed directions

Back feed

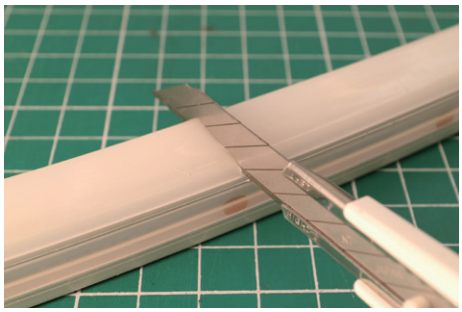
For cove/recessed light in various cable outgoing directions

Side(Right) feed

For indirect cove

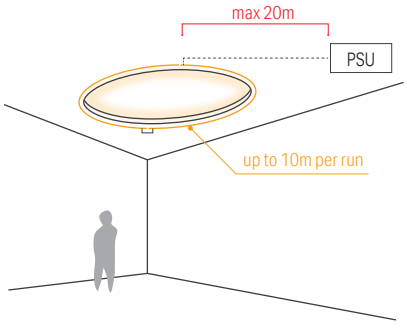


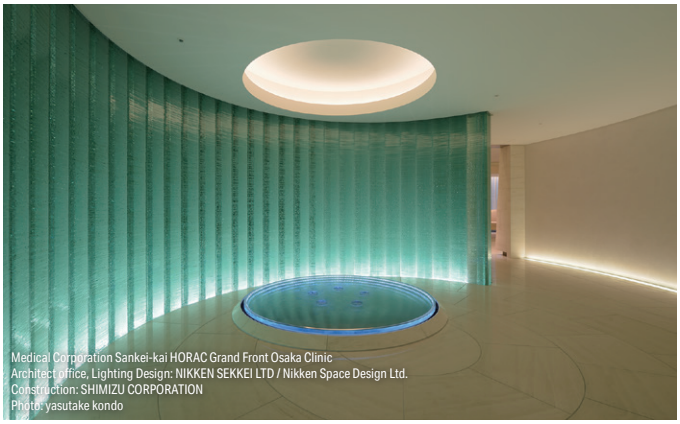
Less visible dark spot at joint
Easy and safe connection of two fixtures
with attached connector



Customise and cuttable at site every 50mm length
Suitable for complex length projects
which can't expect accurate length when ordering

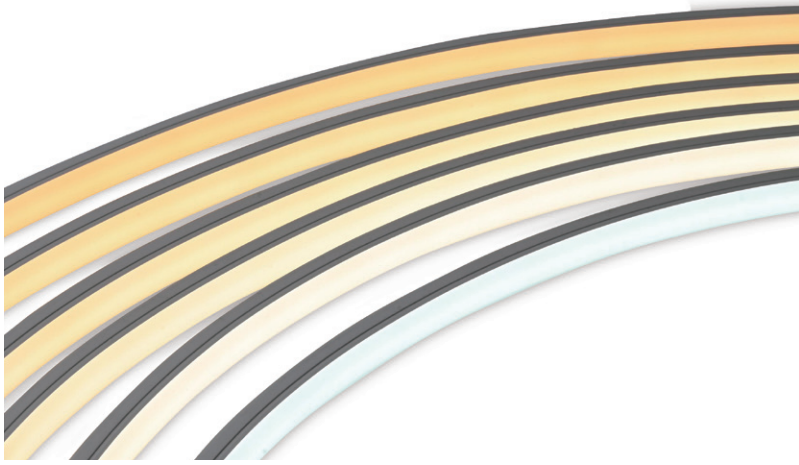
Up to 10m of luminaire per run. Less concern of PSU location!





Medical Corporation Sankei-kai HORAC Grand Front Osaka Clinic
Architect office, Lighting Design: NIKKEN SEKKEI LTD / Nikken Space Design Ltd.
Construction: SHIMIZU CORPORATION
Photo: yasutake kondo

LFU NEW



Color management
MacAdam 3 step

CE

- Top bend dot-free flexible light, cuttable every 50mm at site
- Indoor usage only, custom length max.5m per roll, connectable 10m in run

Model No.

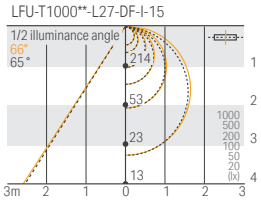
LFU - T□□□□ □ □ - □ - DF - I - □

Product Name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFU	Refer to Custom order length	W: Bothends 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	I : Indoor	15 : 15.8 W/m 12 : 12.6 Wm 8 : 8.4 W/m

Lead wire
B : Back feed
R : Side(Right) feed

Light Intensity

Refer to P.44



Specification

Model No.				LFU-T1000S/W S/R-□-DF-I-15		LFU-T1000S/W S/R-□-DF-I-12		LFU-T1000S/W S/R-□-DF-I-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)				49 lm/W		49 lm/W		49 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	908lm	✳	724lm	✳	483lm	✳
N	5300K	-	-	-	✳	-	✳	-	✳
W	4200K	Ra93	4000K	921lm	○	734lm	○	490lm	○
WW	3500K	Ra93	3200K	856lm	○	683lm	○	455lm	○
L30	3000K	Ra94	2700K	774lm	○	617lm	○	411lm	○
L27	2700K	Ra93	2500K	781lm	○	623lm	○	415lm	○
L24	2400K	Ra93	2300K	718lm	○	573lm	○	382lm	○
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	Indoors (no condensation)
Max. length	5m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail set ❷ Mounting parts set ❸ Mounting Clip ❹ End cap ❺ Power supply cable ❻ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

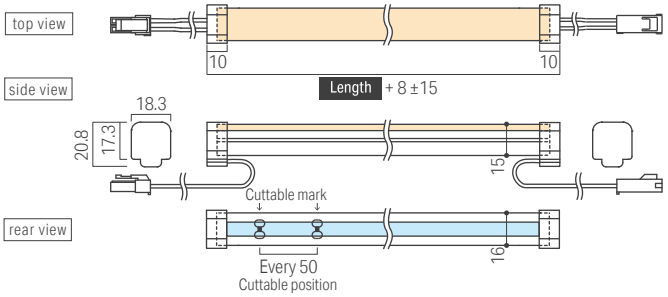
Luci UQ FLEX (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

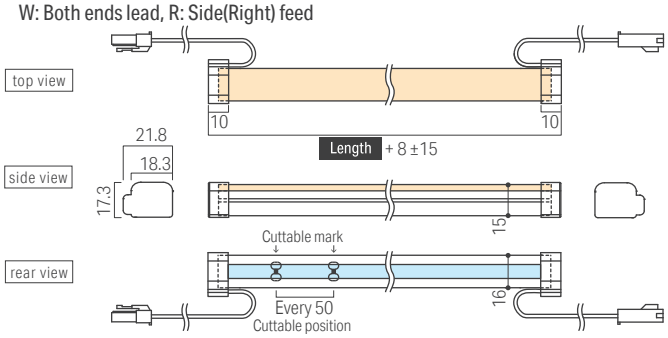
0050	0650	1250	1850	2450	3050	3650	4250	4850
0100	0700	1300	1900	2500	3100	3700	4300	4900
0150	0750	1350	1950	2550	3150	3750	4350	4950
0200	0800	1400	2000	2600	3200	3800	4400	5000
0250	0850	1450	2050	2650	3250	3850	4450	
0300	0900	1500	2100	2700	3300	3900	4500	
0350	0950	1550	2150	2750	3350	3950	4550	
0400	1000	1600	2200	2800	3400	4000	4600	
0450	1050	1650	2250	2850	3450	4050	4650	
0500	1100	1700	2300	2900	3500	4100	4700	
0550	1150	1750	2350	2950	3550	4150	4750	
0600	1200	1800	2400	3000	3600	4200	4800	

External dimensions

W: Both ends lead, B: Back feed

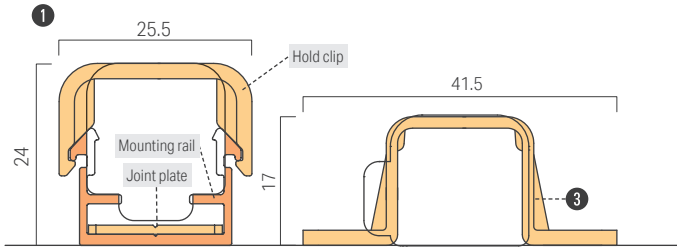


W: Both ends lead, R: Side(Right) feed

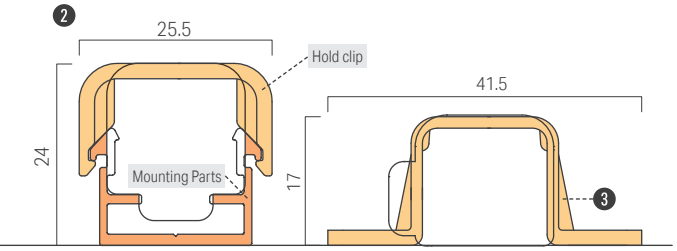


Cross sectional view when installing optional items

Straight installation



Curved installation



Option parts

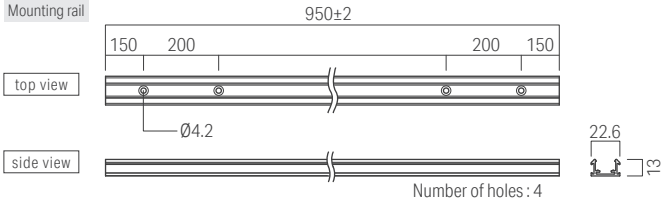
1 Aluminium mounting rail 950 set for UQ FLEX Indoor

Model No : LFU-RL0950-AL-C-I

The set includes Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)

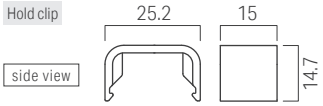
For straight installation (Back/Side feed)

Mounting rail

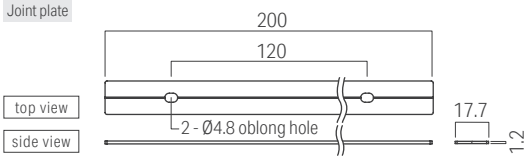


* Specification may subject to change.

Hold clip



Joint plate

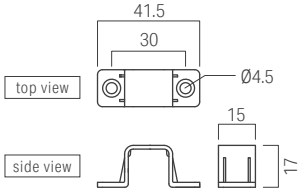


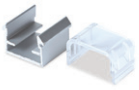
3 PC Mounting clip for UQ FLEX

Model No : LFU-RC

5 pcs/bag

Recommended 5 pcs/m
For curved installation (Side feed)
*When back feed, need a hole for endcap on installation surface.





2 AL mounting parts set for UQ FLEX Indoor

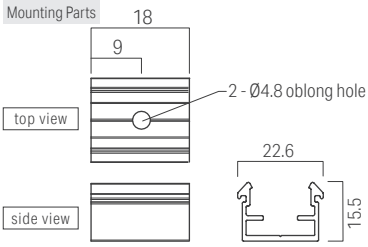
Model No : LFU-RL0018-AL-C-I

The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)

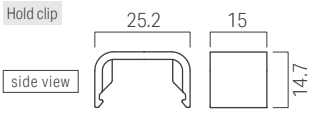
Recommended each 5 pcs/m

For curved installation (Back/Side feed)

Mounting Parts



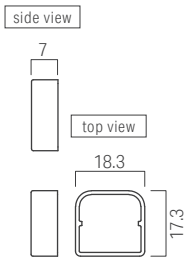
Hold clip



4 Endcap for UQ FLEX indoor

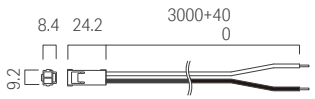
Model No : LFU-EC

Attached with LED fixture (2pcs/bag)
for extra order 2pcs/bag



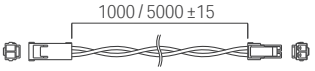
5 Power supply cable 3000mm for SL connector Required

Model No : CAD-3000-MCNN-I



6 Joint cable 1000mm / 5000mm for SL connector

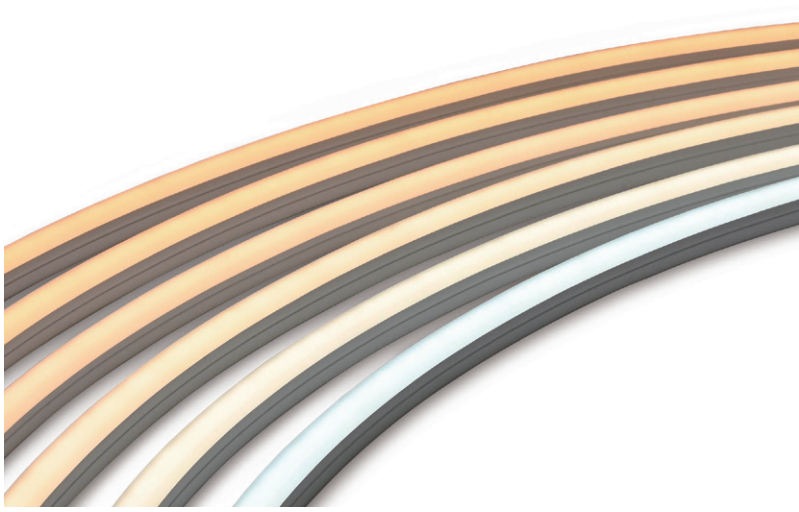
Model No : CAD-1000-MCFC-I / CAD-5000-MCFC-I



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 NEW



Color management
MacAdam 3 step

CE

- Side bend dot-free flexible light, cuttable every 50mm at site
- Indoor usage only, custom length max.5m per roll, connectable 10m in run

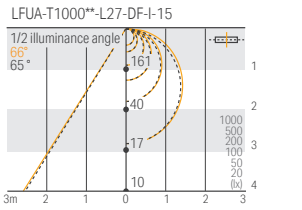
Model No.

LFUA - T□□□□ □ □ - □ - DF - I - □

Product Name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFUA	Refer to Custom order length	W: Bothends S: One end **Lead wire** B: Back feed R: Side(Right) 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	I: Indoor	15: 15.8 W/m 12: 12.6 Wm 8: 8.4 W/m

Light Intensity

Refer to P.45



Specification

Model No.				LFUA-T1000S/W S/R-□-DF-I-15		LFUA-T1000S/W S/R-□-DF-I-12		LFUA-T1000S/W S/R-□-DF-I-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)				36.3 lm/W		36.3 lm/W		36.3 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	687 lm	✳	548 lm	✳	365 lm	✳
N	5300K	-	-	-	✳	-	✳	-	✳
W	4200K	Ra93	4000K	694 lm	○	553 lm	○	369 lm	○
WW	3500K	Ra93	3200K	632 lm	○	504 lm	○	336 lm	○
L30	3000K	Ra94	2700K	573 lm	○	457 lm	○	305 lm	○
L27	2700K	Ra93	2500K	561 lm	○	448 lm	○	298 lm	○
L24	2400K	Ra93	2300K	522 lm	○	416 lm	○	278 lm	○
L21	2100K	-		-	✳	-	✳	-	✳
L19	1900K	-		-	✳	-	✳	-	✳

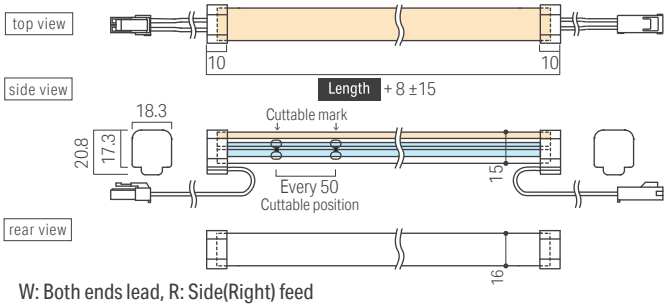
Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

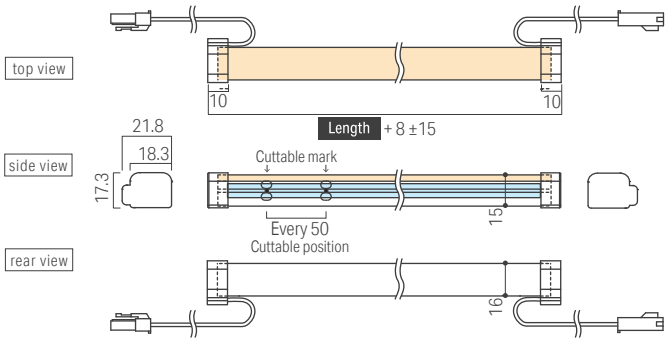
Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length	5m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail set ❷ Mounting parts set ❸ Mounting Clip ❹ End cap ❺ Power supply cable ❻ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

W: Both ends lead, B: Back feed



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



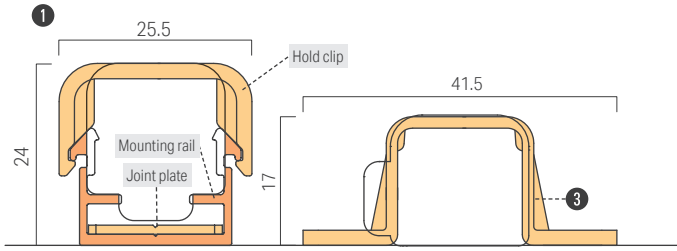
Luci UQ FLEX α (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

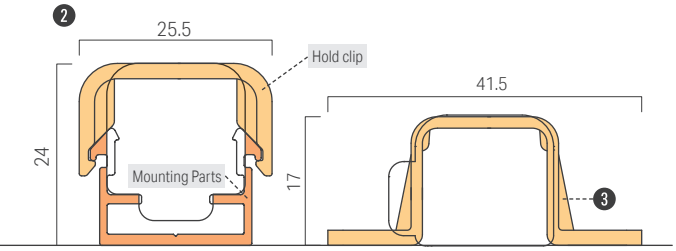
0050	0650	1250	1850	2450	3050	3650	4250	4850
0100	0700	1300	1900	2500	3100	3700	4300	4900
0150	0750	1350	1950	2550	3150	3750	4350	4950
0200	0800	1400	2000	2600	3200	3800	4400	5000
0250	0850	1450	2050	2650	3250	3850	4450	
0300	0900	1500	2100	2700	3300	3900	4500	
0350	0950	1550	2150	2750	3350	3950	4550	
0400	1000	1600	2200	2800	3400	4000	4600	
0450	1050	1650	2250	2850	3450	4050	4650	
0500	1100	1700	2300	2900	3500	4100	4700	
0550	1150	1750	2350	2950	3550	4150	4750	
0600	1200	1800	2400	3000	3600	4200	4800	

Cross sectional view when installing optional items

Straight installation



Curved installation



Option parts

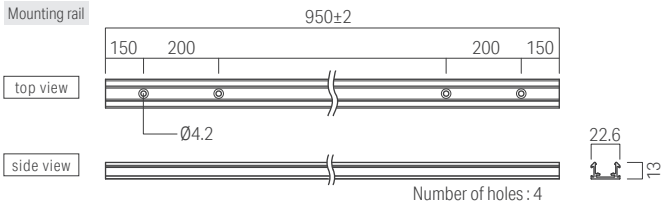
1 Aluminium mounting rail 950 set for UQ FLEX Indoor

Model No : LFU-RL0950-AL-C-I

The set include Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)

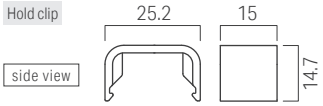
For straight installation (Back/Side feed)

Mounting rail

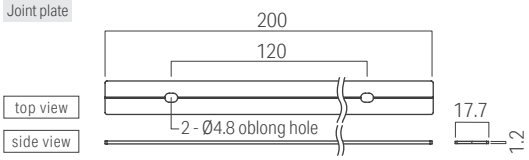


* Specification may subject to change.

Hold clip



Joint plate

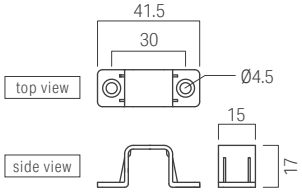


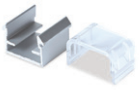
3 PC Mounting clip for UQ FLEX

Model No : LFU-RC

5 pcs/bag

Recommended 5 pcs/m
For curved installation (Side feed)
*When back feed, need a hole for endcap on installation surface.





2 AL mounting parts set for UQ FLEX Indoor

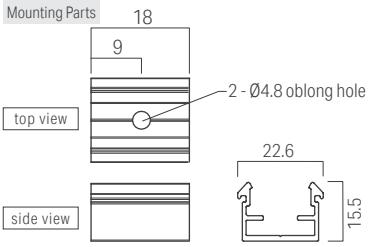
Model No : LFU-RL0018-AL-C-I

The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)

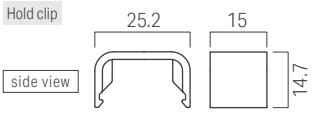
Recommended each 5 pcs/m

For curved installation (Back/Side feed)

Mounting Parts



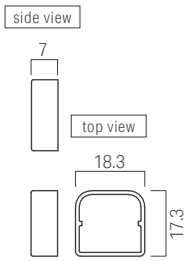
Hold clip



4 Endcap for UQ FLEX indoor

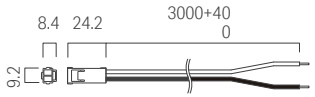
Model No : LFU-EC

Attached with LED fixture (2pcs/bag)
for extra order 2pcs/bag



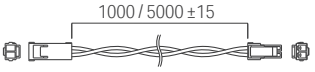
5 Power supply cable 3000mm for SL connector Required

Model No : CAD-3000-MCNN-I



6 Joint cable 1000mm / 5000mm for SL connector

Model No : CAD-1000-MCFC-I / CAD-5000-MCFC-I



Max. connectable length per power supply

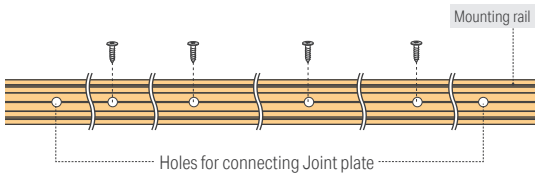
Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	
~2.2m	~2.9m	~4.3m	50W power supply
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

Installing the product

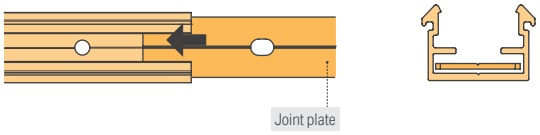
Installation with Mounting rail

❶ Aluminium mounting rail 950 set for UQ FLEX Indoor (LFU-RL0950-AL-C-I)

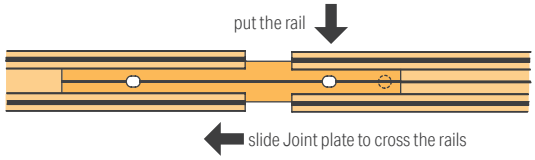
① Fix the alminium rail by screws (pan head screw M4 recommended) supplied by installer. The screw holes at both ends should be left unused for installing with the Joint plate.



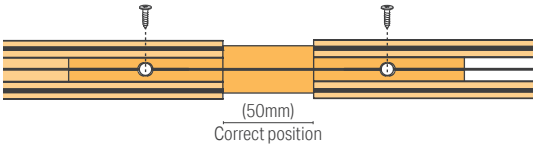
② When two or more rails are installed in a straight line, insert the Joint plate into bottom of the rail.



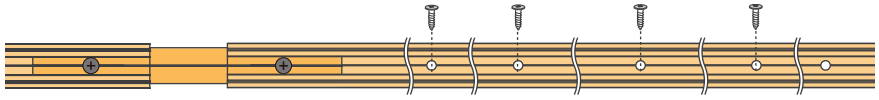
③ Put the second rail and slide the Joint plate as below.



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

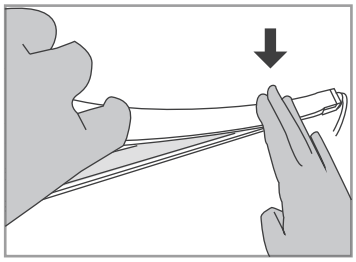


⑤ Fix the holes of second rail for installation like ①...



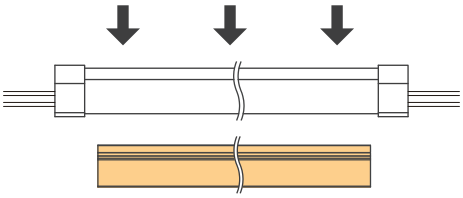
LFU-I Top / Vertical bend only

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

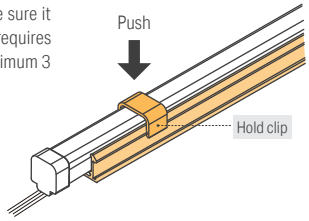


LFUA-I Side / Horizontal bend only

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.

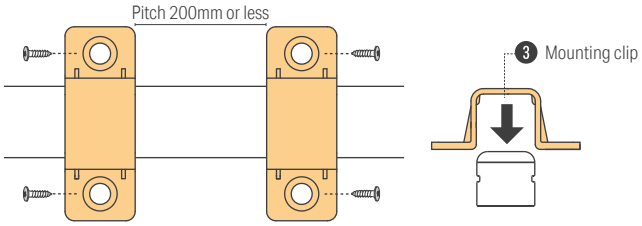


Installation with Mounting clip

❸ PC Mounting clip for UQ FLEX (LFU-RC)

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.



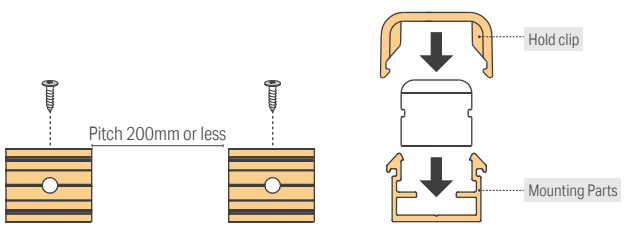
Installation with Mounting parts

❷ AL mounting parts set for UQ FLEX Indoor (LFU-RL0018-AL-C-I)

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.

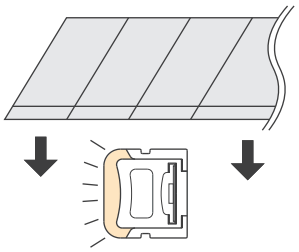
③ Put the PC hold clip (LFU-PT-B) until click sound and make sure it is securely locked. The hold clips should be used if the LED fixture is easily dislodged or installed downward.

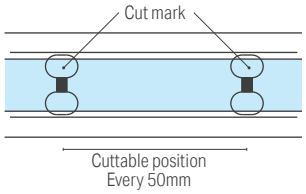


Cutting and terminal sealing

LFU-I Top / Vertical bend only

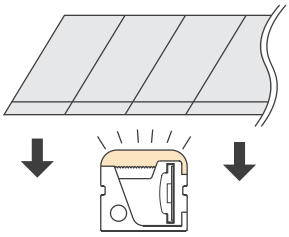
Pen knife/Box cutter
Push the blade straight down

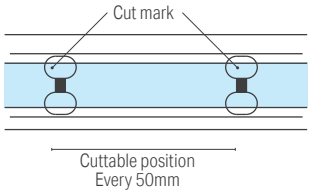




LFUA-I Side / Horizontal bend only

Pen knife/Box cutter
Push the blade straight down





Wipe off any dirt, etc. from the adhesive area.

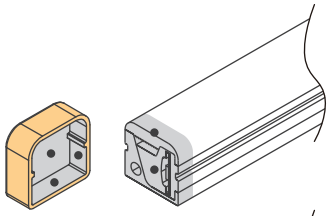
Use a thin blade such as a Pen knife/Box cutter for cutting.
Use of thick blades, scissors, nippers, etc. will bend the board and cause malfunctions.

When cutting the LED fixture, be sure to cut at the cutting marks shown above. If anywhere other than the cut mark is cut, the LED fixture will not turn on. When cutting, push the blade straight down along the cutting mark. Pulling the blade back and forth like a saw may cause the circuit
board to fold, resulting in malfunction.

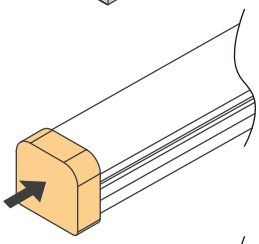
Cutting should always be done on a flat, stable surface.

The cut and insulated LED fixture with end cap can only be used indoors. Do not install the products in wet or humid places.

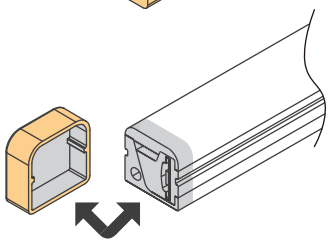
Before installation and lighting, check that the cap adheres properly.



Apply primer on the cut area of the light fixture and the inside of the cap (gray area in the figure).

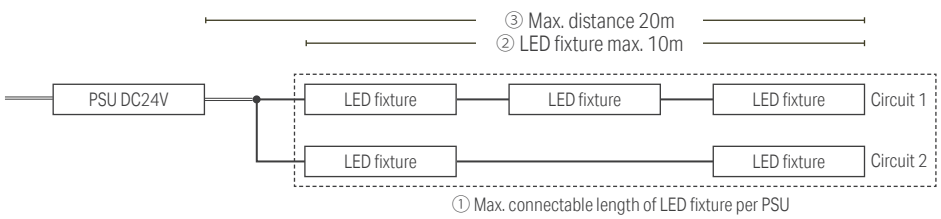


Apply sufficient adhesive on the cut area of the LED fixture and the inside of the cap (gray area in the figure).



Immediately attach the end cap to the LED fixture and dry it for at least 30 minutes.

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	
～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

Luci UQ FLEX / Luci UQ FLEX α

Luci UQ FLEX Indoor -Custom order-

Model No.

LFU - T□□□□ □□ - □ - DF - I - □

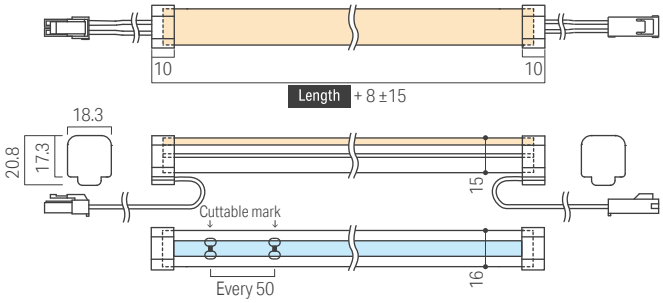
Product name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFU	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire B Back feed R Side(Right) feed	D Daylightl white 6500K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K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

External dimension

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

LFU - T□□□□WB - □ - DF - I - □

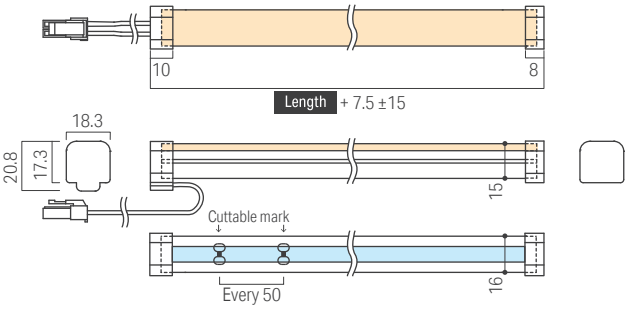
(Length / Color / Wattage)



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

LFU - T□□□□SB - □ - DF - I - □

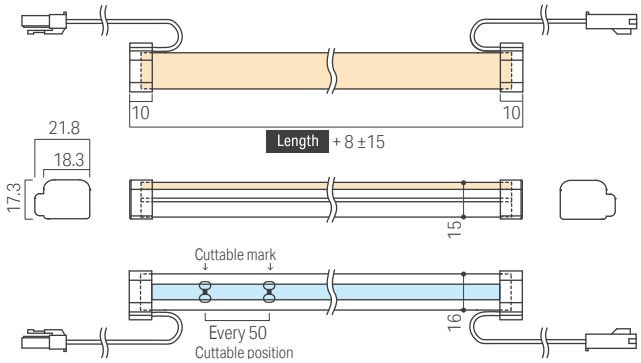
(Length / Color / Wattage)



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

LFU - T□□□□WR - □ - DF - I - □

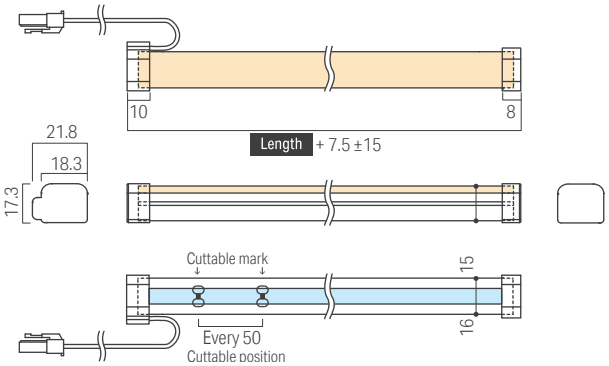
(Length / Color / Wattage)



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

LFU - T□□□□SR - □ - DF - I - □

(Length / Color / Wattage)



Custom order products size

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

Corresponds to Length of Model No. and External dimensions

0050	0350	0650	0950	1250	1550	1850	2150	2450	2750	3050	3350	3650	3950	4250	4550	4850
0100	0400	0700	1000	1300	1600	1900	2200	2500	2800	3100	3400	3700	4000	4300	4600	4900
0150	0450	0750	1050	1350	1650	1950	2250	2550	2850	3150	3450	3750	4050	4350	4650	4950
0200	0500	0800	1100	1400	1700	2000	2300	2600	2900	3200	3500	3800	4100	4400	4700	5000
0250	0550	0850	1150	1450	1750	2050	2350	2650	2950	3250	3550	3850	4150	4450	4750	
0300	0600	0900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	

Luci UQ FLEX α Indoor -Custom order-

Model No.

LFUA - T□□□□ □□ - □ - DF - I - □

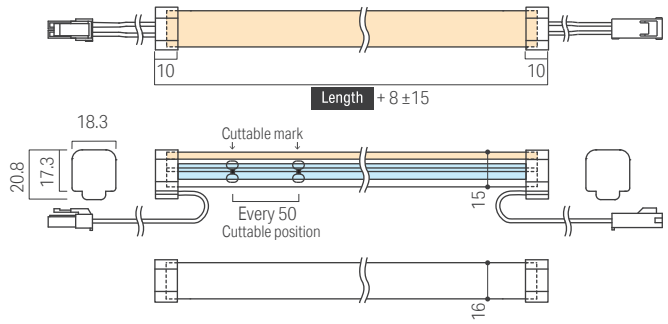
Product name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFUA	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire B Back feed R Side(Right) feed	D Daylightl white 6500K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K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

External dimension

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

LFUA - T□□□□ WB - □ - DF - I - □

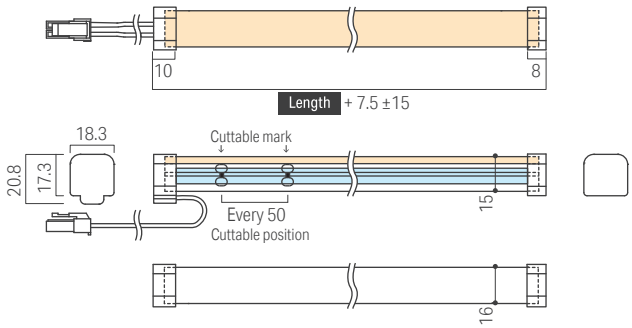
Length / Color / Wattage



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

LFUA - T□□□□ SB - □ - DF - I - □

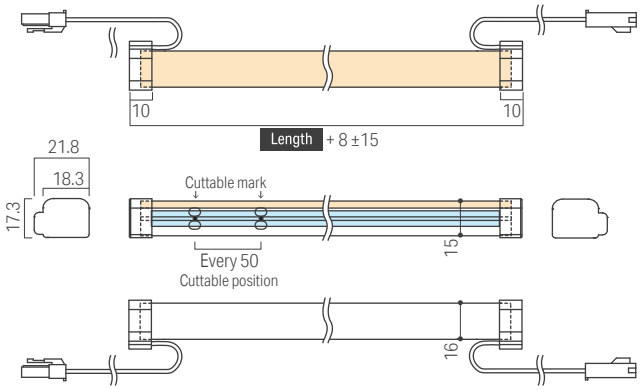
Length / Color / Wattage



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

LFUA - T□□□□ WR - □ - DF - I - □

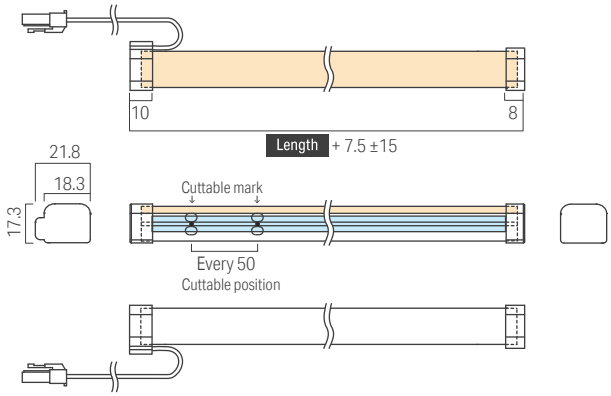
Length / Color / Wattage



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

LFUA - T□□□□ SR - □ - DF - I - □

Length / Color / Wattage



Custom order products size

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

Corresponds to Length of Model No. and External dimensions

0050	0350	0650	0950	1250	1550	1850	2150	2450	2750	3050	3350	3650	3950	4250	4550	4850
0100	0400	0700	1000	1300	1600	1900	2200	2500	2800	3100	3400	3700	4000	4300	4600	4900
0150	0450	0750	1050	1350	1650	1950	2250	2550	2850	3150	3450	3750	4050	4350	4650	4950
0200	0500	0800	1100	1400	1700	2000	2300	2600	2900	3200	3500	3800	4100	4400	4700	5000
0250	0550	0850	1150	1450	1750	2050	2350	2650	2950	3250	3550	3850	4150	4450	4750	
0300	0600	0900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	

Luci UQ FLEX / Luci UQ FLEX α

Illuminance data

LFU
Luci UQ FLEX

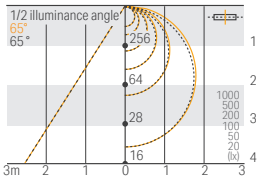
Color temparature

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

Direct horizontal surface light intensity distribution chart

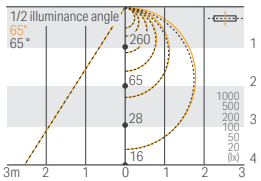
LFU-T1000**-D-DF-I-15

Light source color	6500K
Brightness	256 cd
Luminous flux	909 lm
Color rendering index	Ra 93



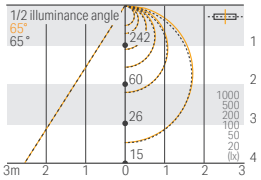
LFU-T1000**-W-DF-I-15

Light source color	4200K
Brightness	260 cd
Luminous flux	921 lm
Color rendering index	Ra 92



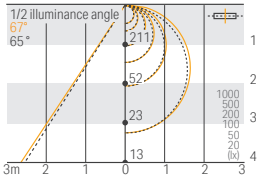
LFU-T1000**-WW-DF-I-15

Light source color	3500K
Brightness	242 cd
Luminous flux	857 lm
Color rendering index	Ra 95



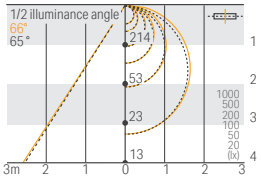
LFU-T1000**-L30-DF-I-15

Light source color	3000K
Brightness	211 cd
Luminous flux	774 lm
Color rendering index	Ra 97



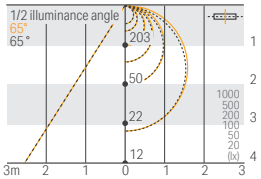
LFU-T1000**-L27-DF-I-15

Light source color	2700K
Brightness	214 cd
Luminous flux	781 lm
Color rendering index	Ra 96



LFU-T1000**-L24-DF-I-15

Light source color	2400K
Brightness	203 cd
Luminous flux	712 lm
Color rendering index	Ra 97



Illuminance data

LFUA
Luci UQ FLEX α

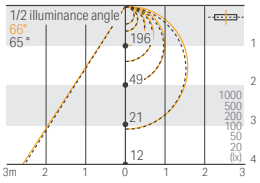
Color temparature

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

Direct horizontal surface light intensity distribution chart

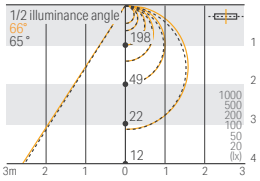
LFUA-T1000**-D-DF-I-15

Light source color	6500K
Brightness	196 cd
Luminous flux	687 lm
Color rendering index	Ra 94



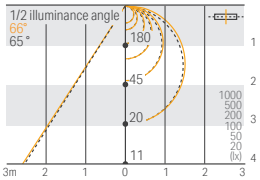
LFUA-T1000**-W-DF-I-15

Light source color	4200K
Brightness	198 cd
Luminous flux	694 lm
Color rendering index	Ra 92



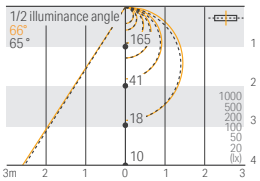
LFUA-T1000**-WW-DF-I-15

Light source color	3500K
Brightness	180 cd
Luminous flux	632 lm
Color rendering index	Ra 95



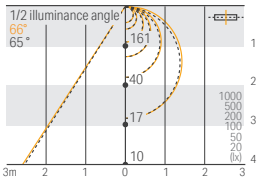
LFUA-T1000**-L30-DF-I-15

Light source color	3000K
Brightness	165 cd
Luminous flux	573 lm
Color rendering index	Ra 97



LFUA-T1000**-L27-DF-I-15

Light source color	2700K
Brightness	161 cd
Luminous flux	562 lm
Color rendering index	Ra 97



LFUA-T1000**-L24-DF-I-15

Light source color	2400K
Brightness	149 cd
Luminous flux	523 lm
Color rendering index	Ra 97