

Luci SHIN UQ FLEX IP67 / Luci SHIN UQ FLEX α IP67

# LFUY-O / LFUAY-O

SHIN

series

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

# SHIN UQ FLEX IP67 / Luci SHIN UQ FLEX α IP67

Available 4 different wattage variations  
IP67, max custom length 2m for outdoor usage, up to 10m per circuit  
LFUY-O: Top bend dot-free flexible strip  
LFUAY-O: Side bend dot-free flexible strip

## Specifications

### Dimensions

Cross section W 16 x H 15 mm  
Custom order Up to 2m at every 50 mm length with both ends or one end feed cable  
Up to 2 m in 50 mm increment

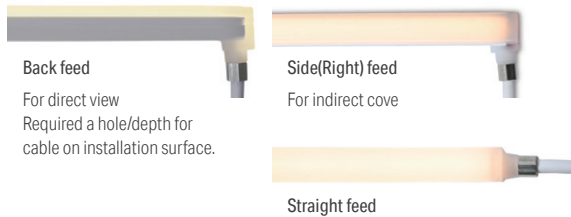
Feed cables are available in three directions: straight, side or back.  
Do not allow to cut the light fixture and cable at site.

### Electrical & Output @2700K

| LFU-O    |          |         | SHIN series LFUAY-O |           |         | Efficacy Improvement |
|----------|----------|---------|---------------------|-----------|---------|----------------------|
| W/m      | lm/m     | lm/W    | W/m                 | lm/m      | lm/W    |                      |
| 8.4 W/m  | 415 lm/m | 49 lm/W | 5.9 W/m             | 475 lm/m  | 81 lm/W | 163%                 |
| 12.6 W/m | 623 lm/m | 49 lm/W | 9.9 W/m             | 784 lm/m  | 79 lm/W | 160%                 |
| 15.8 W/m | 781 lm/m | 49 lm/W | 14.9 W/m            | 1155 lm/m | 78 lm/W | 157%                 |
|          |          |         | 19.8 W/m            | 1489 lm/m | 75 lm/W |                      |

| LFUA-O   |          |         | SHIN series LFUAY-O |           |         | Efficacy Improvement |
|----------|----------|---------|---------------------|-----------|---------|----------------------|
| W/m      | lm/m     | lm/W    | W/m                 | lm/m      | lm/W    |                      |
| 8.4 W/m  | 291 lm/m | 35 lm/W | 5.9 W/m             | 378 lm/m  | 64 lm/W | 185%                 |
| 12.6 W/m | 436 lm/m | 35 lm/W | 9.9 W/m             | 636 lm/m  | 64 lm/W | 186%                 |
| 15.8 W/m | 547 lm/m | 35 lm/W | 14.9 W/m            | 930 lm/m  | 62 lm/W | 180%                 |
|          |          |         | 19.8 W/m            | 1212 lm/m | 61 lm/W |                      |

### Cable feed directions



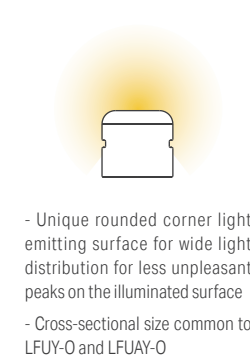
### Color temperature



Ra > 90

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

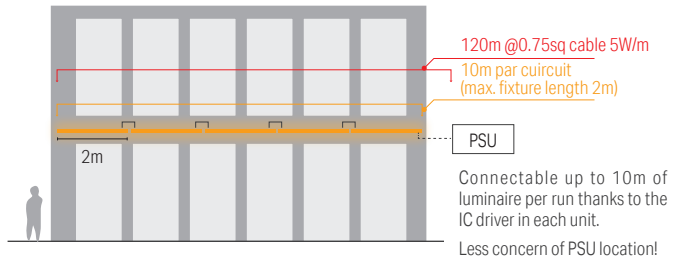
### Optics



### Min Bending radius



### Max. length Per circuit



## Recommended applications

### 5.9W \_ Foot light



### 9.9W \_ Indirect lighting for Facade



### 14.9W \_ Surface mounted for Facade



### 19.8W \_ Indirect lighting for Canopy



# LFUY-0

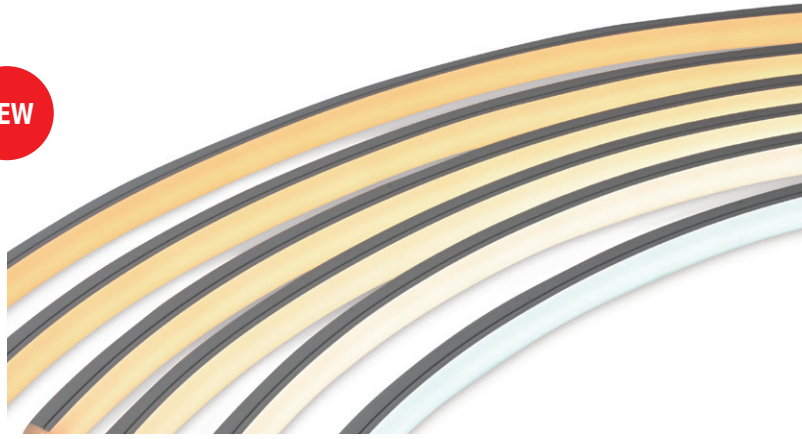
SHIN series

NEW

Color management  
MacAdam 3 step



- Updated with low wattage high lumen LED series
- Available 4 different wattage variations
- Top bend dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, up to 7.5m (19.8W/m), 10m (Others)



Model No.

|              |                     |                               |                                                       |                                                   |                                                                         |               |  |           |             |                                                              |  |   |    |   |   |   |  |
|--------------|---------------------|-------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|---------------|--|-----------|-------------|--------------------------------------------------------------|--|---|----|---|---|---|--|
| LFUY         |                     | -                             | T                                                     |                                                   |                                                                         |               |  |           | -           |                                                              |  | - | DF | - | O | - |  |
| Product Name | Length              | Lead wire                     | Lead wire                                             | Light source color                                |                                                                         |               |  | Tube type | Environment | Wattage                                                      |  |   |    |   |   |   |  |
| LFUY         | Custom order length | W : Both ends<br>S : One ends | B : Back feed<br>R : Side(Right) feed<br>S : Straight | D : 6500K<br>N : 5000K<br>W : 4000K<br>WW : 3500K | L30 : 3000K<br>L27 : 2700K<br>L25 : 2500K<br>L22 : 2200K<br>L20 : 2000K | DF : Diffuser |  |           | O : Outdoor | 5 : 5.9 W/m<br>9 : 9.9 W/m<br>14 : 14.9 W/m<br>19 : 19.8 W/m |  |   |    |   |   |   |  |

## Specification

| Model No.                                                                               | LFUY-T1000S/WB/R-DF-O-5      | LFUY-T1000S/WB/R-DF-O-9 | LFUY-T1000S/WB/R-DF-O-14 | LFUY-T1000S/WB/R-DF-O-19 |
|-----------------------------------------------------------------------------------------|------------------------------|-------------------------|--------------------------|--------------------------|
| Wattage                                                                                 | 5.9 W/m                      | 9.9 W/m                 | 14.9 W/m                 | 19.8 W/m                 |
| Fitting length                                                                          | Refer to Custom order length |                         |                          |                          |
| Weight                                                                                  | -                            | -                       | -                        | -                        |
| Luminaire efficacy(2700K)                                                               | 79.9 lm/W                    | 79.2 lm/W               | 77.8 lm/W                | 75.2 lm/W                |
| Light source color ○ = Device inventory * = Please contact us since it's built to order |                              |                         |                          |                          |
| D 6500K                                                                                 | Ra96                         | * 536 lm                | * 886 lm                 | * 1306 lm                |
| N 5000K                                                                                 | Ra93                         | ○ 532 lm                | ○ 878 lm                 | ○ 1294 lm                |
| W 4000K                                                                                 | Ra97                         | ○ 522 lm                | ○ 862 lm                 | ○ 1271 lm                |
| WW 3500K                                                                                | Ra97                         | ○ 517 lm                | ○ 855 lm                 | ○ 1259 lm                |
| L30 3000K                                                                               | Ra95                         | ○ 503 lm                | ○ 831 lm                 | ○ 1225 lm                |
| L27 2700K                                                                               | Ra94                         | ○ 475 lm                | ○ 784 lm                 | ○ 1155 lm                |
| L25 2500K                                                                               | Ra94                         | ○ 351 lm                | ○ 580 lm                 | ○ 855 lm                 |
| L22 2200K                                                                               | Ra93                         | * 328 lm                | * 541 lm                 | * 797 lm                 |
| L20 2000K                                                                               | Ra91                         | * 299 lm                | * 494 lm                 | * 728 lm                 |

Please contact our sales staff regarding the delivered CCT.

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

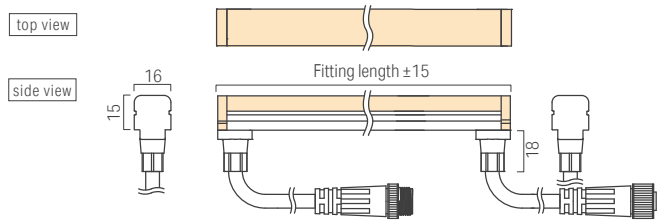
|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| Input voltage           | DC24V                                                                                          |
| Environment             | Outdoor IP67, Indoor                                                                           |
| Max. fixture length     | 2m                                                                                             |
| Max. length Per circuit | 7.5m (19.8W/m), 10m (Others)                                                                   |
| Min. bending range      | R150mm                                                                                         |
| Material                | Silicone                                                                                       |
| Attachments             | -                                                                                              |
| Accessories             | ① Mounting rail set ② Mounting parts set ③ Mounting Clip<br>④ Power supply cable ⑤ Joint cable |
| Certification           | CE                                                                                             |
| Dimmable                | Yes (0-10V/1-10V, DMX, DALI, PWM, Casambi)                                                     |

## Max. connectable length per PSU

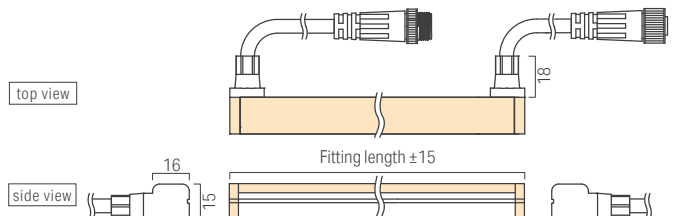
| Length of light fixture (70% loading factor)<br>*: split into multiple circuits |         |          |          | PSU  |
|---------------------------------------------------------------------------------|---------|----------|----------|------|
| 5.9 W/m                                                                         | 9.9 W/m | 14.9 W/m | 19.8 W/m |      |
| ~5.9m                                                                           | ~3.5m   | ~2.4m    | ~1.8m    | 50W  |
| ~11.8m*                                                                         | ~7.1m   | ~4.7m    | ~3.5m    | 100W |
| ~17.7m*                                                                         | ~10.6m* | ~7.1m    | ~5.3m    | 150W |

## External dimensions

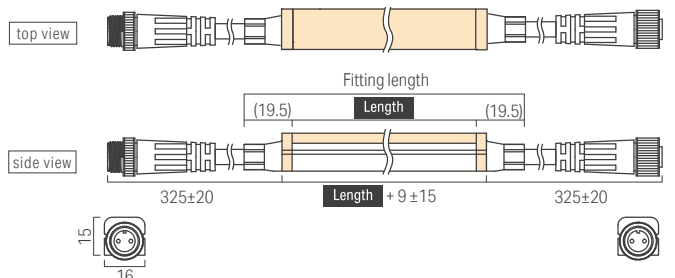
### W: Both ends lead, B: Back feed



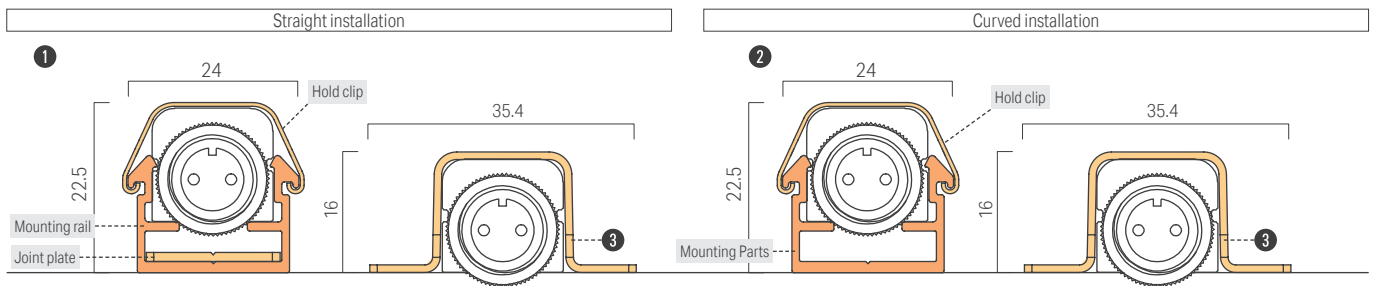
### W: Both ends lead, R: Side(Right) feed



### W: Both ends lead, S: Straight feed

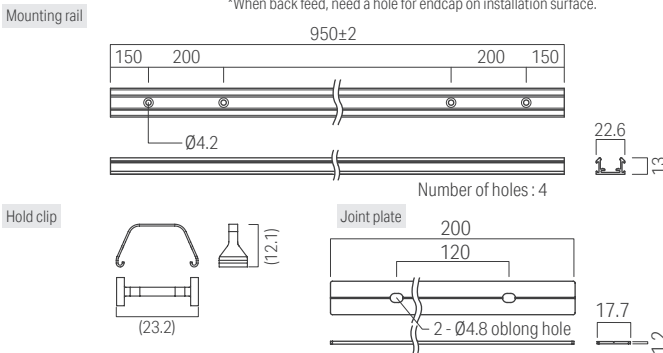


## Cross sectional view with accessories

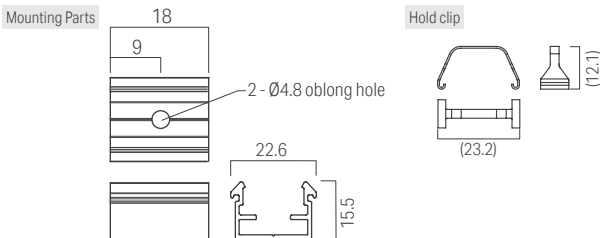


## Accessories

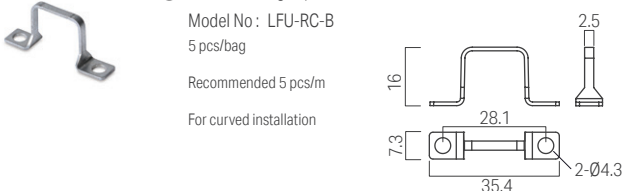
- 1 Aluminum mounting rail 950 set for UQ FLEX**  
Model No : LFU-RL0950-AL-C  
The set includes Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)  
For straight installation  
\*When back feed, need a hole for endcap on installation surface.



- 2 Aluminum mounting parts set for UQ FLEX**  
Model No : LFU-RL0018-AL-C  
The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)  
Recommended each 5 pcs/m  
For curved installation  
\*When back feed, need a hole for endcap on installation surface.



- 3 SUS Mounting clip for UQ FLEX**  
Model No : LFU-RC-B  
5 pcs/bag  
Recommended 5 pcs/m  
For curved installation



- 4 Power supply cable 10M for UQ FLEX Required**  
Model No : CAD-V010M-FPNN-O  
10000±100  
Ø15  
15  
Red : +  
Black : -  
M12  
16  
Ø14.5  
12.8

- 5 Joint cable 1M for UQ FLEX**  
Model No : CAD-1000-MPPN-O  
1000±15  
Ø15

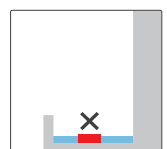
## Custom order length

| Luci SHIN UQ FLEX IP67 (5.9 W/m, 9.9 W/m, 14.9 W/m, 19.8 W/m) |                     |      |        |        |      |
|---------------------------------------------------------------|---------------------|------|--------|--------|------|
| Corresponds to Length of Model No. and External dimensions    |                     |      |        |        |      |
| Length                                                        | Fitting length (mm) |      |        |        |      |
|                                                               | Lead wire           |      |        |        |      |
|                                                               | WR/WB               | WS   | SB     | SR     | SS   |
| 0050                                                          | 59                  | 90   | 56.5   | 56.5   | 72   |
| 0100                                                          | 109                 | 140  | 106.5  | 106.5  | 122  |
| 0150                                                          | 159                 | 190  | 156.5  | 156.5  | 172  |
| 0200                                                          | 209                 | 240  | 206.5  | 206.5  | 222  |
| 0250                                                          | 259                 | 290  | 256.5  | 256.5  | 272  |
| 0300                                                          | 309                 | 340  | 306.5  | 306.5  | 322  |
| 0350                                                          | 359                 | 390  | 356.5  | 356.5  | 372  |
| 0400                                                          | 409                 | 440  | 406.5  | 406.5  | 422  |
| 0450                                                          | 459                 | 490  | 456.5  | 456.5  | 472  |
| 0500                                                          | 509                 | 540  | 506.5  | 506.5  | 522  |
| 0550                                                          | 559                 | 590  | 556.5  | 556.5  | 572  |
| 0600                                                          | 609                 | 640  | 606.5  | 606.5  | 622  |
| 0650                                                          | 659                 | 690  | 656.5  | 656.5  | 672  |
| 0700                                                          | 709                 | 740  | 706.5  | 706.5  | 722  |
| 0750                                                          | 759                 | 790  | 756.5  | 756.5  | 772  |
| 0800                                                          | 809                 | 840  | 806.5  | 806.5  | 822  |
| 0850                                                          | 859                 | 890  | 856.5  | 856.5  | 872  |
| 0900                                                          | 909                 | 940  | 906.5  | 906.5  | 922  |
| 0950                                                          | 959                 | 990  | 956.5  | 956.5  | 972  |
| 1000                                                          | 1009                | 1040 | 1006.5 | 1006.5 | 1022 |
| 1050                                                          | 1059                | 1090 | 1056.5 | 1056.5 | 1072 |
| 1100                                                          | 1109                | 1140 | 1106.5 | 1106.5 | 1122 |
| 1150                                                          | 1159                | 1190 | 1156.5 | 1156.5 | 1172 |
| 1200                                                          | 1209                | 1240 | 1206.5 | 1206.5 | 1222 |
| 1250                                                          | 1259                | 1290 | 1256.5 | 1256.5 | 1272 |
| 1300                                                          | 1309                | 1340 | 1306.5 | 1306.5 | 1322 |
| 1350                                                          | 1359                | 1390 | 1356.5 | 1356.5 | 1372 |
| 1400                                                          | 1409                | 1440 | 1406.5 | 1406.5 | 1422 |
| 1450                                                          | 1459                | 1490 | 1456.5 | 1456.5 | 1472 |
| 1500                                                          | 1509                | 1540 | 1506.5 | 1506.5 | 1522 |
| 1550                                                          | 1559                | 1590 | 1556.5 | 1556.5 | 1572 |
| 1600                                                          | 1609                | 1640 | 1606.5 | 1606.5 | 1622 |
| 1650                                                          | 1659                | 1690 | 1656.5 | 1656.5 | 1672 |
| 1700                                                          | 1709                | 1740 | 1706.5 | 1706.5 | 1722 |
| 1750                                                          | 1759                | 1790 | 1756.5 | 1756.5 | 1772 |
| 1800                                                          | 1809                | 1840 | 1806.5 | 1806.5 | 1822 |
| 1850                                                          | 1859                | 1890 | 1856.5 | 1856.5 | 1872 |
| 1900                                                          | 1909                | 1940 | 1906.5 | 1906.5 | 1922 |
| 1950                                                          | 1959                | 1990 | 1956.5 | 1956.5 | 1972 |
| 2000                                                          | 2009                | 2040 | 2006.5 | 2006.5 | 2022 |

## Prohibited installation places

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

Do not cut the outdoor light and the lead wire at a job site.  
Please do appropriate waterproof treatment for the outdoor lead wire and connector according to product manuals.

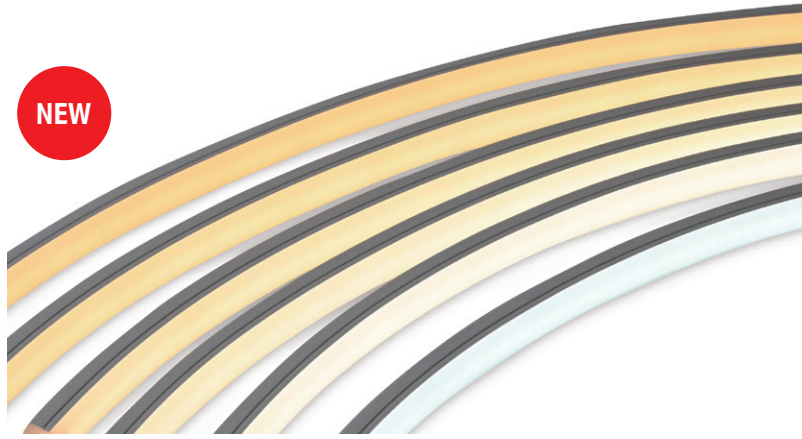


# LFUAY-0 **SHIN** series **NEW**

Color management  
MacAdam 3 step



- Updated with low wattage high lumen LED series
- Available 4 different wattage variations
- Side bend dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, up to 10m per circuit



Model No.

|              |                     |                               |                                                       |                                                   |                                                                         |               |             |                                                              |    |   |   |   |             |
|--------------|---------------------|-------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|---------------|-------------|--------------------------------------------------------------|----|---|---|---|-------------|
| LFUAY        |                     | -                             | T                                                     | <div></div>                                       | <div></div>                                                             | -             | <div></div> | -                                                            | DF | - | O | - | <div></div> |
| Product Name | Length              | Lead wire                     | Lead wire                                             | Light source color                                |                                                                         | Tube type     | Environment | Wattage                                                      |    |   |   |   |             |
| LFUAY        | Custom order length | W : Both ends<br>S : One ends | B : Back feed<br>R : Side(Right) feed<br>S : Straight | D : 6500K<br>N : 5000K<br>W : 4000K<br>WW : 3500K | L30 : 3000K<br>L27 : 2700K<br>L25 : 2500K<br>L22 : 2200K<br>L20 : 2000K | DF : Diffuser | O : Outdoor | 5 : 5.9 W/m<br>9 : 9.9 W/m<br>14 : 14.9 W/m<br>19 : 19.8 W/m |    |   |   |   |             |

## Specification

| Model No.                                                                               | LFUAY-T1000S/WB/R-DF-O-5     | LFUAY-T1000S/WB/R-DF-O-9 | LFUAY-T1000S/WB/R-DF-O-14 | LFUAY-T1000S/WB/R-DF-O-19 |
|-----------------------------------------------------------------------------------------|------------------------------|--------------------------|---------------------------|---------------------------|
| Wattage                                                                                 | 5.9 W/m                      | 9.9 W/m                  | 14.9 W/m                  | 19.8 W/m                  |
| Fitting length                                                                          | Refer to Custom order length |                          |                           |                           |
| Weight                                                                                  | -                            | -                        | -                         | -                         |
| Luminaire efficacy(2700K)                                                               | 63.7 lm/W                    | 64.2 lm/W                | 62.6 lm/W                 | 61.2 lm/W                 |
| Light source color ○ = Device inventory * = Please contact us since it's built to order |                              |                          |                           |                           |
| D 6500K                                                                                 | Ra96 * 428 lm                | * 718 lm                 | * 1050 lm                 | * 1369 lm                 |
| N 5000K                                                                                 | Ra93 ○ 424 lm                | ○ 712 lm                 | ○ 1041 lm                 | ○ 1357 lm                 |
| W 4000K                                                                                 | Ra97 ○ 416 lm                | ○ 699 lm                 | ○ 1023 lm                 | ○ 1333 lm                 |
| WW 3500K                                                                                | Ra97 ○ 412 lm                | ○ 693 lm                 | ○ 1013 lm                 | ○ 1321 lm                 |
| L30 3000K                                                                               | Ra95 ○ 401 lm                | ○ 674 lm                 | ○ 985 lm                  | ○ 1284 lm                 |
| L27 2700K                                                                               | Ra94 ○ 378 lm                | ○ 636 lm                 | ○ 930 lm                  | ○ 1212 lm                 |
| L25 2500K                                                                               | Ra94 ○ 280 lm                | ○ 470 lm                 | ○ 688 lm                  | ○ 897 lm                  |
| L22 2200K                                                                               | Ra93 * 261 lm                | * 439 lm                 | * 641 lm                  | * 836 lm                  |
| L20 2000K                                                                               | Ra91 * 238 lm                | * 400 lm                 | * 586 lm                  | * 763 lm                  |

Please contact our sales staff regarding the delivered CCT.

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

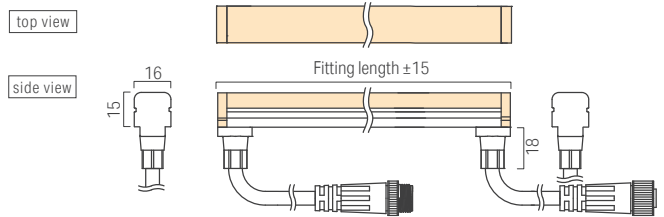
|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| Input voltage           | DC24V                 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

## Max. connectable length per PSU

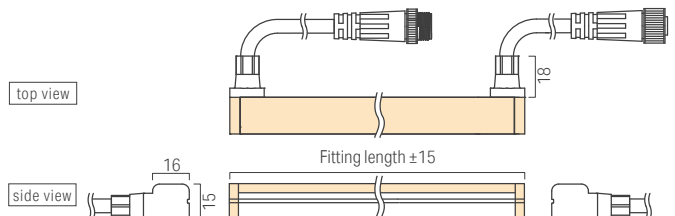
| Length of light fixture (70% loading factor)<br>*: split into multiple circuits |         |          |          | PSU  |
|---------------------------------------------------------------------------------|---------|----------|----------|------|
| 5.9 W/m                                                                         | 9.9 W/m | 14.9 W/m | 19.8 W/m |      |
| ~5.9m                                                                           | ~3.5m   | ~2.4m    | ~1.8m    | 50W  |
| ~11.8m*                                                                         | ~7.1m   | ~4.7m    | ~3.5m    | 100W |
| ~17.7m*                                                                         | ~10.6m* | ~7.1m    | ~5.3m    | 150W |

## External dimensions

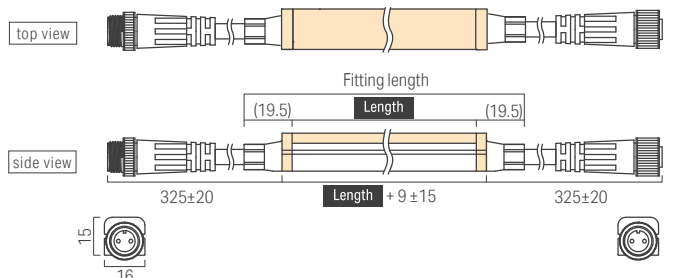
W: Both ends lead, B: Back feed



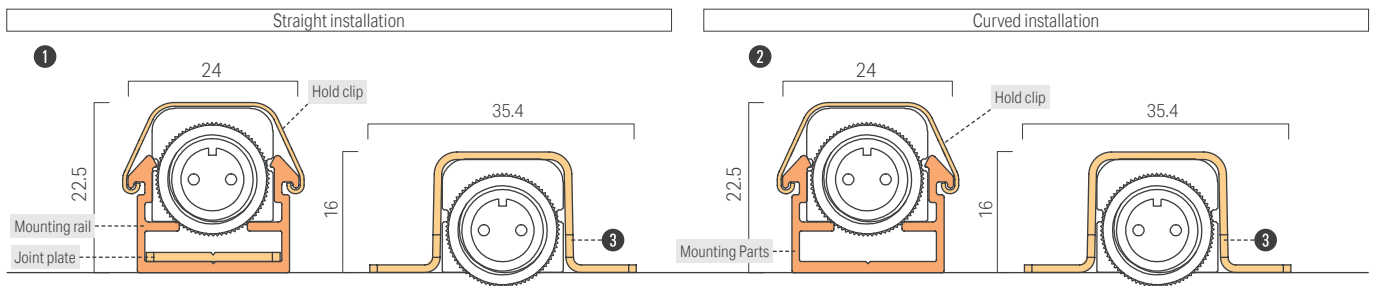
W: Both ends lead, R: Side(Right) feed



W: Both ends lead, S: Straight feed

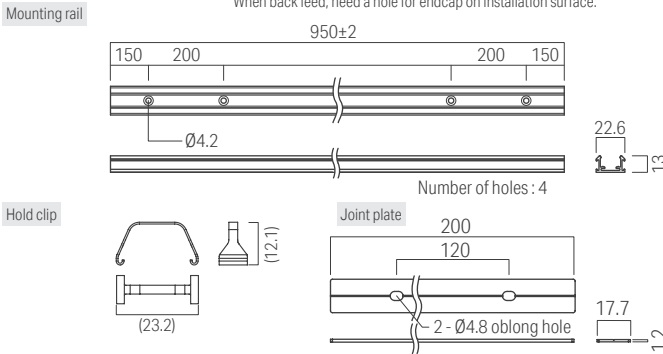


## Cross sectional view with accessories

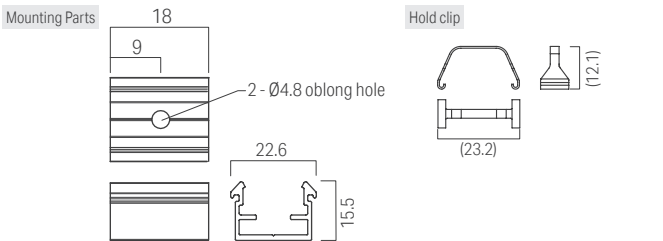


## Accessories

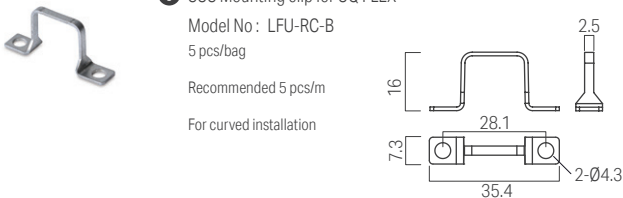
- 1 Aluminum mounting rail 950 set for UQ FLEX**  
 Model No : LFU-RL0950-AL-C  
 The set includes Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)  
 For straight installation  
 \*When back feed, need a hole for endcap on installation surface.



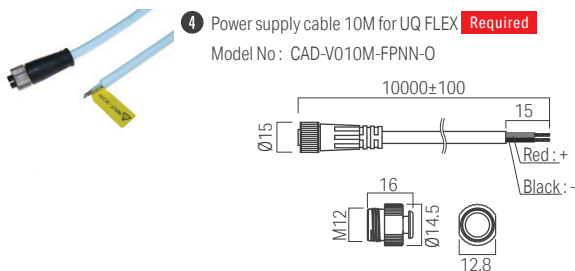
- 2 Aluminum mounting parts set for UQ FLEX**  
 Model No : LFU-RL0018-AL-C  
 The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)  
 Recommended each 5 pcs/m  
 For curved installation  
 \*When back feed, need a hole for endcap on installation surface.



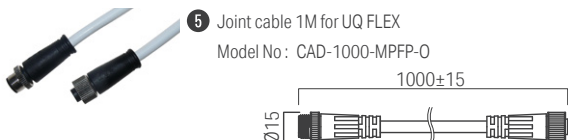
- 3 SUS Mounting clip for UQ FLEX**  
 Model No : LFU-RC-B  
 5 pcs/bag  
 Recommended 5 pcs/m  
 For curved installation



- 4 Power supply cable 10M for UQ FLEX Required**  
 Model No : CAD-V010M-FPNN-O



- 5 Joint cable 1M for UQ FLEX**  
 Model No : CAD-1000-MPPN-O



## Custom order length

Luci SHIN UQ FLEX α IP67 (5.9 W/m, 9.9 W/m, 14.9 W/m, 19.8 W/m)

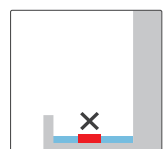
Corresponds to Length of Model No. and External dimensions

| Length | Fitting length (mm) |      |        |        |      |
|--------|---------------------|------|--------|--------|------|
|        | Lead wire           |      |        |        |      |
|        | WR/WB               | WS   | SB     | SR     | SS   |
| 0050   | 59                  | 90   | 56.5   | 56.5   | 72   |
| 0100   | 109                 | 140  | 106.5  | 106.5  | 122  |
| 0150   | 159                 | 190  | 156.5  | 156.5  | 172  |
| 0200   | 209                 | 240  | 206.5  | 206.5  | 222  |
| 0250   | 259                 | 290  | 256.5  | 256.5  | 272  |
| 0300   | 309                 | 340  | 306.5  | 306.5  | 322  |
| 0350   | 359                 | 390  | 356.5  | 356.5  | 372  |
| 0400   | 409                 | 440  | 406.5  | 406.5  | 422  |
| 0450   | 459                 | 490  | 456.5  | 456.5  | 472  |
| 0500   | 509                 | 540  | 506.5  | 506.5  | 522  |
| 0550   | 559                 | 590  | 556.5  | 556.5  | 572  |
| 0600   | 609                 | 640  | 606.5  | 606.5  | 622  |
| 0650   | 659                 | 690  | 656.5  | 656.5  | 672  |
| 0700   | 709                 | 740  | 706.5  | 706.5  | 722  |
| 0750   | 759                 | 790  | 756.5  | 756.5  | 772  |
| 0800   | 809                 | 840  | 806.5  | 806.5  | 822  |
| 0850   | 859                 | 890  | 856.5  | 856.5  | 872  |
| 0900   | 909                 | 940  | 906.5  | 906.5  | 922  |
| 0950   | 959                 | 990  | 956.5  | 956.5  | 972  |
| 1000   | 1009                | 1040 | 1006.5 | 1006.5 | 1022 |
| 1050   | 1059                | 1090 | 1056.5 | 1056.5 | 1072 |
| 1100   | 1109                | 1140 | 1106.5 | 1106.5 | 1122 |
| 1150   | 1159                | 1190 | 1156.5 | 1156.5 | 1172 |
| 1200   | 1209                | 1240 | 1206.5 | 1206.5 | 1222 |
| 1250   | 1259                | 1290 | 1256.5 | 1256.5 | 1272 |
| 1300   | 1309                | 1340 | 1306.5 | 1306.5 | 1322 |
| 1350   | 1359                | 1390 | 1356.5 | 1356.5 | 1372 |
| 1400   | 1409                | 1440 | 1406.5 | 1406.5 | 1422 |
| 1450   | 1459                | 1490 | 1456.5 | 1456.5 | 1472 |
| 1500   | 1509                | 1540 | 1506.5 | 1506.5 | 1522 |
| 1550   | 1559                | 1590 | 1556.5 | 1556.5 | 1572 |
| 1600   | 1609                | 1640 | 1606.5 | 1606.5 | 1622 |
| 1650   | 1659                | 1690 | 1656.5 | 1656.5 | 1672 |
| 1700   | 1709                | 1740 | 1706.5 | 1706.5 | 1722 |
| 1750   | 1759                | 1790 | 1756.5 | 1756.5 | 1772 |
| 1800   | 1809                | 1840 | 1806.5 | 1806.5 | 1822 |
| 1850   | 1859                | 1890 | 1856.5 | 1856.5 | 1872 |
| 1900   | 1909                | 1940 | 1906.5 | 1906.5 | 1922 |
| 1950   | 1959                | 1990 | 1956.5 | 1956.5 | 1972 |
| 2000   | 2009                | 2040 | 2006.5 | 2006.5 | 2022 |

## Prohibited installation places

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

Do not cut the outdoor light and the lead wire at a job site.  
 Please do appropriate waterproof treatment for the outdoor lead wire and connector according to product manuals.



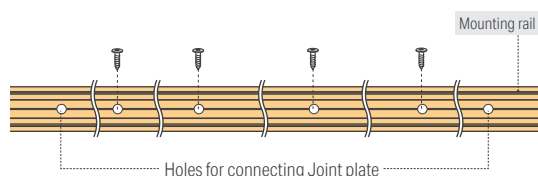
# Luci SHIN UQ FLEX IP67 / Luci SHIN UQ FLEX α IP67

## Installing the product

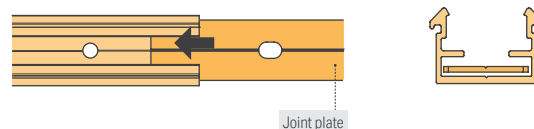
### Installation with Mounting rail

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

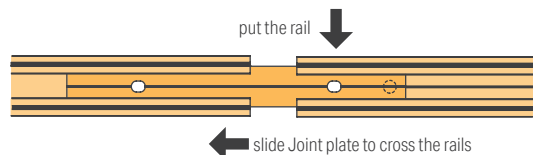
- ① Fix the aluminium rail by screws (pan head screw M4 recommended) supplied by installer. The screw holes at both ends should be left unused for installing with the Joint plate.



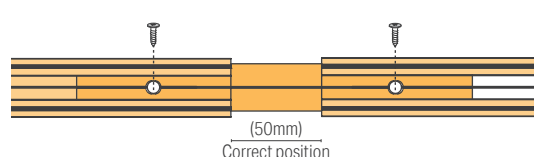
- ② When two or more rails are installed in a straight line, insert the Joint plate into bottom of the rail.



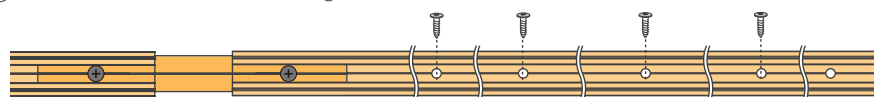
- ③ Put the second rail and slide the Joint plate as below.



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

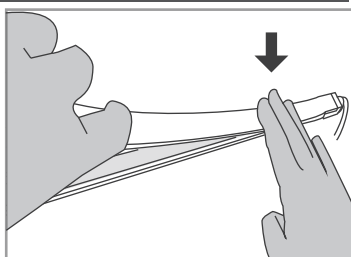


- ⑤ Fix the holes of second rail for installation like ①...



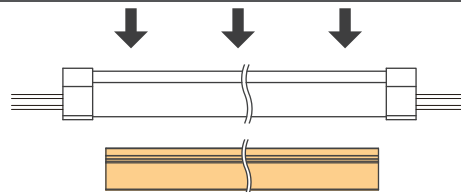
#### LFUY-O Top / Vertical bend only

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

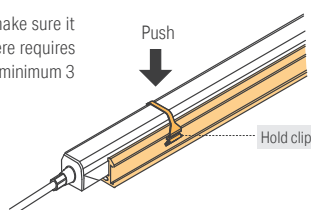


#### LFUAY-O Side / Horizontal bend only

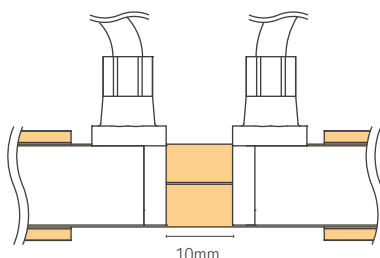
- ⑥ When installing LFUAY (side bend) on the mounting rail, the light fixture shall first be placed horizontally on the rail and the entire light fixture shall be pushed gradually horizontally into the rail so that the light fixture does not bend vertically.



- 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.



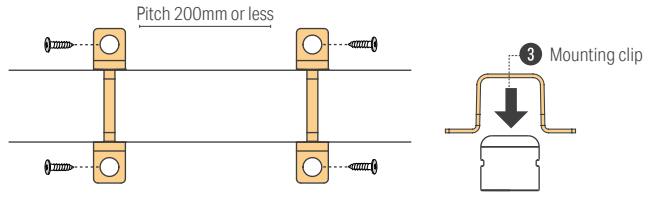
- ⑧ Please have 10mm gaps between 2 fittings to absorb the expansion and the contraction of lighting fixture.



## Installation with Mounting clip

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

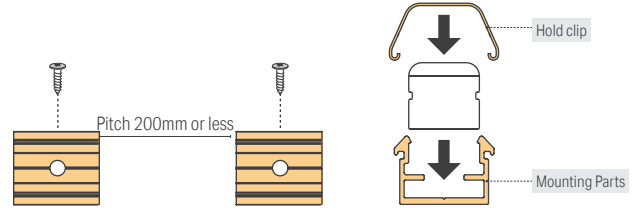
- Place the light fixture on the surface to be installed.  
Do not twist and bend the light fixture in the wrong direction.
- Fix the mounting clip by 2 pcs of screws supplied by installer.(pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The clips at both ends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



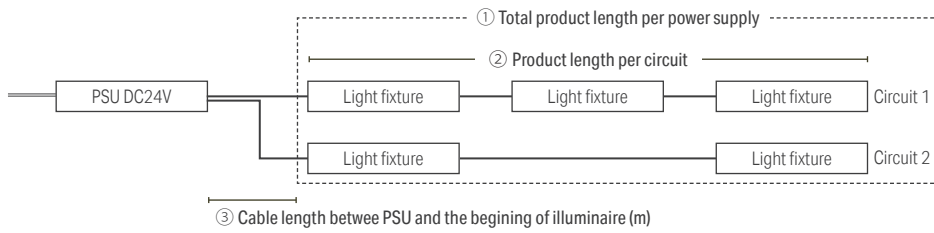
## Installation with Mounting parts

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

- Fix the aluminum mounting parts by 1 pc of screw to the points where the light 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 light fixture to prevent it from lifting.
- Push the light fixture into the clip while keeping the correct bending direction.  
Caution: Do not bend the light fixture in the wrong direction.
- 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 light fixture is easily dislodged or installed downward.



## System configuration diagram



- Total product length per PSU depends on capacity of the PSU. Recommended loading factor is 70% (without dimming) or 60% (with dimming).
- Product length per circuit shall not exceed maximum product length per circuit. If the product length per circuit exceeds the maximum, split into multiple circuits.
- To minimize voltage drop, select appropriate wire gauge / diameter and consider the cable length between PSU and the beginning of luminaire referring to the following table. If longer cable distances are required, use thicker wires or reduce the loading of the light fixtures in the circuit.

### 1 Max. connectable length per PSU

| Length of light fixture (70% loading factor)<br>*: split into multiple circuits |         |          |          | PSU  |
|---------------------------------------------------------------------------------|---------|----------|----------|------|
| 5.9 W/m                                                                         | 9.9 W/m | 14.9 W/m | 19.8 W/m |      |
| ~5.9m                                                                           | ~3.5m   | ~2.4m    | ~1.8m    | 50W  |
| ~11.8m*                                                                         | ~7.1m   | ~4.7m    | ~3.5m    | 100W |
| ~17.7m*                                                                         | ~10.6m* | ~7.1m    | ~5.3m    | 150W |

|                             |          | Cross section            | 0.3 sq                                                                               | 0.5 sq | 0.75 sq |
|-----------------------------|----------|--------------------------|--------------------------------------------------------------------------------------|--------|---------|
|                             |          | Wire gauze               | AWG 22                                                                               | AWG 20 | AWG 18  |
| Model No.                   | Wattage  | ② Max length per circuit | ③ Max cable length between PSU and the top of illuminaire at ②Max length per circuit |        |         |
| LFUY/LFUAY-T1000***-DF-O-5  | 5.9 W/m  | 10 m                     | 21m                                                                                  | 34m    | 53m     |
| LFUY/LFUAY-T1000***-DF-O-9  | 9.9 W/m  | 10 m                     | 11m                                                                                  | 18m    | 28m     |
| LFUY/LFUAY-T1000***-DF-O-14 | 14.9 W/m | 10 m                     | 6m                                                                                   | 10m    | 15m     |
| LFUY/LFUAY-T1000***-DF-O-19 | 19.8 W/m | 7.5 m                    | 4m                                                                                   | 6m     | 9m      |

## Illuminance data



### LFUY-O Luci SHIN UQ FLEX IP67

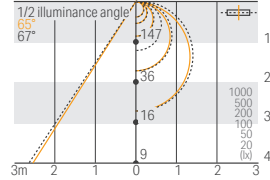
Color temperature

6500K 5000K 4000K 3500K 3000K 2700K 2500K 2200K 2000K

#### Direct horizontal surface light intensity distribution chart - 5W

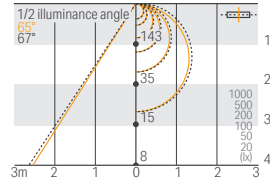
LFUY-T1000\*\*-D-DF-O-5

Light source color 6500K  
Brightness 147 cd  
Luminous flux 536 lm  
Color rendering index Ra 96



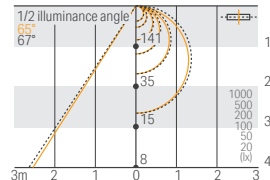
LFUY-T1000\*\*-N-DF-O-5

Light source color 5000K  
Brightness 143 cd  
Luminous flux 532 lm  
Color rendering index Ra 93



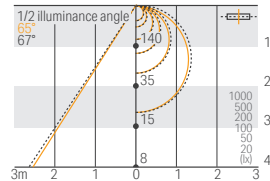
LFUY-T1000\*\*-W-DF-O-5

Light source color 4000K  
Brightness 141 cd  
Luminous flux 522 lm  
Color rendering index Ra 97



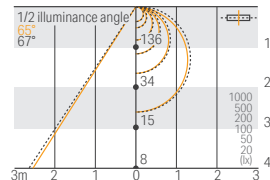
LFUY-T1000\*\*-WW-DF-O-5

Light source color 3500K  
Brightness 140 cd  
Luminous flux 517 lm  
Color rendering index Ra 97



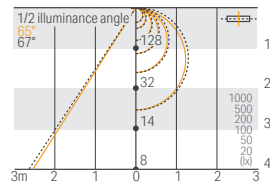
LFUY-T1000\*\*-L30-DF-O-5

Light source color 3000K  
Brightness 136 cd  
Luminous flux 503 lm  
Color rendering index Ra 95



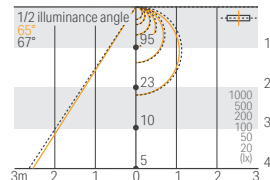
LFUY-T1000\*\*-L27-DF-O-5

Light source color 2700K  
Brightness 128 cd  
Luminous flux 475 lm  
Color rendering index Ra 94



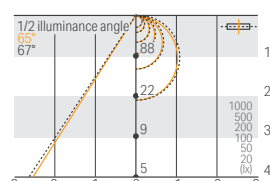
LFUY-T1000\*\*-L25-DF-O-5

Light source color 2500K  
Brightness 95 cd  
Luminous flux 351 lm  
Color rendering index Ra 94



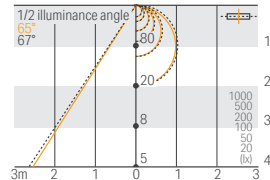
LFUY-T1000\*\*-L22-DF-O-5

Light source color 2200K  
Brightness 88 cd  
Luminous flux 328 lm  
Color rendering index Ra 93



LFUY-T1000\*\*-L20-DF-O-5

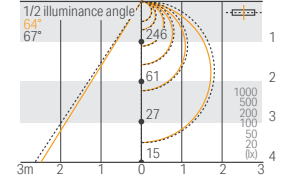
Light source color 2000K  
Brightness 80 cd  
Luminous flux 299 lm  
Color rendering index Ra 91



#### Direct horizontal surface light intensity distribution chart - 9W

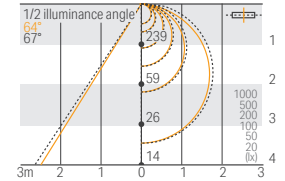
LFUY-T1000\*\*-D-DF-O-9

Light source color 6500K  
Brightness 246 cd  
Luminous flux 886 lm  
Color rendering index Ra 96



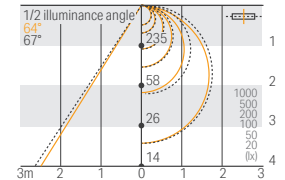
LFUY-T1000\*\*-N-DF-O-9

Light source color 5000K  
Brightness 239 cd  
Luminous flux 878 lm  
Color rendering index Ra 93



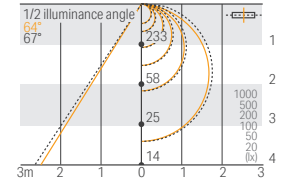
LFUY-T1000\*\*-W-DF-O-9

Light source color 4000K  
Brightness 235 cd  
Luminous flux 862 lm  
Color rendering index Ra 97



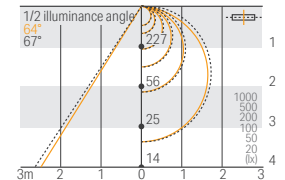
LFUY-T1000\*\*-WW-DF-O-9

Light source color 3500K  
Brightness 233 cd  
Luminous flux 855 lm  
Color rendering index Ra 97



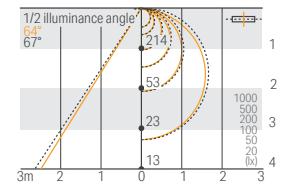
LFUY-T1000\*\*-L30-DF-O-9

Light source color 3000K  
Brightness 227 cd  
Luminous flux 831 lm  
Color rendering index Ra 95



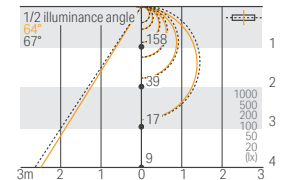
LFUY-T1000\*\*-L27-DF-O-9

Light source color 2700K  
Brightness 214 cd  
Luminous flux 784 lm  
Color rendering index Ra 94



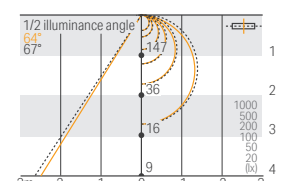
LFUY-T1000\*\*-L25-DF-O-9

Light source color 2500K  
Brightness 158 cd  
Luminous flux 580 lm  
Color rendering index Ra 94



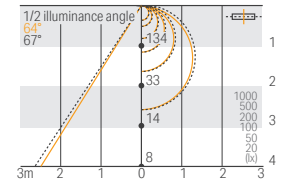
LFUY-T1000\*\*-L22-DF-O-9

Light source color 2200K  
Brightness 147 cd  
Luminous flux 541 lm  
Color rendering index Ra 93

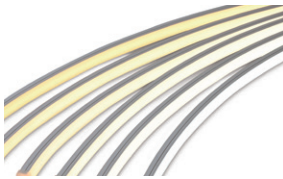


LFUY-T1000\*\*-L20-DF-O-9

Light source color 2000K  
Brightness 134 cd  
Luminous flux 494 lm  
Color rendering index Ra 91



Illuminance data



## LFUY-O Luci SHIN UQ FLEX IP67

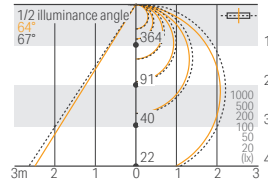
Color temperature

6500K 5000K 4000K 3500K 3000K 2700K 2500K 2200K 2000K

### Direct horizontal surface light intensity distribution chart - 14W

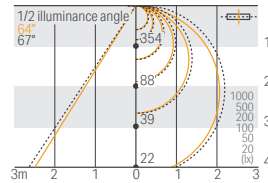
LFUY-T1000\*\*-D-DF-O-14

Light source color 6500K  
Brightness 364 cd  
Luminous flux 1306 lm  
Color rendering index Ra 96



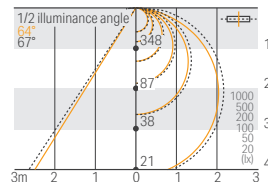
LFUY-T1000\*\*-N-DF-O-14

Light source color 5000K  
Brightness 354 cd  
Luminous flux 1294 lm  
Color rendering index Ra 93



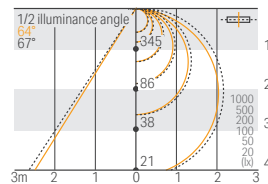
LFUY-T1000\*\*-W-DF-O-14

Light source color 4000K  
Brightness 348 cd  
Luminous flux 1271 lm  
Color rendering index Ra 97



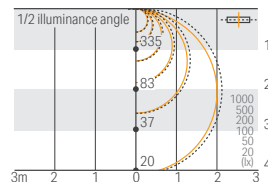
LFUY-T1000\*\*-WW-DF-O-14

Light source color 3500K  
Brightness 345 cd  
Luminous flux 1259 lm  
Color rendering index Ra 97



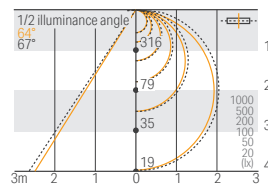
LFUY-T1000\*\*-L30-DF-O-14

Light source color 3000K  
Brightness 335 cd  
Luminous flux 1225 lm  
Color rendering index Ra 95



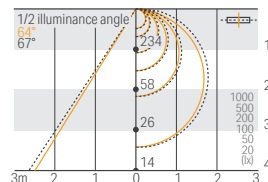
LFUY-T1000\*\*-L27-DF-O-14

Light source color 2700K  
Brightness 316 cd  
Luminous flux 1155 lm  
Color rendering index Ra 94



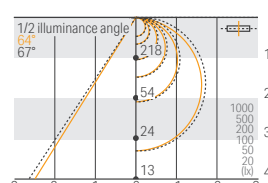
LFUY-T1000\*\*-L25-DF-O-14

Light source color 2500K  
Brightness 234 cd  
Luminous flux 855 lm  
Color rendering index Ra 94



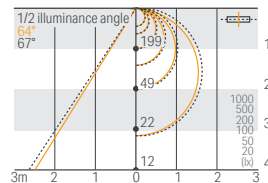
LFUY-T1000\*\*-L22-DF-O-14

Light source color 2200K  
Brightness 218 cd  
Luminous flux 797 lm  
Color rendering index Ra 93



LFUY-T1000\*\*-L20-DF-O-14

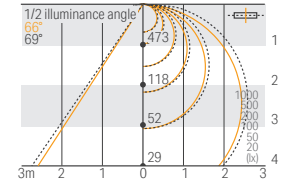
Light source color 2000K  
Brightness 199 cd  
Luminous flux 728 lm  
Color rendering index Ra 91



### Direct horizontal surface light intensity distribution chart - 19W

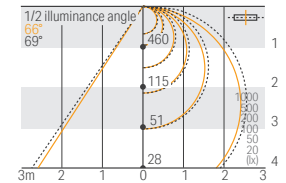
LFUY-T1000\*\*-D-DF-O-19

Light source color 6500K  
Brightness 473 cd  
Luminous flux 1683 lm  
Color rendering index Ra 96



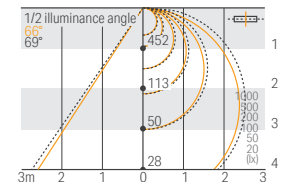
LFUY-T1000\*\*-N-DF-O-19

Light source color 5000K  
Brightness 460 cd  
Luminous flux 1668 lm  
Color rendering index Ra 93



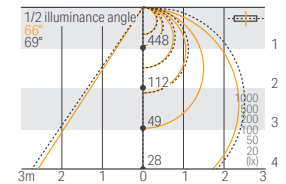
LFUY-T1000\*\*-W-DF-O-19

Light source color 4000K  
Brightness 452 cd  
Luminous flux 1638 lm  
Color rendering index Ra 97



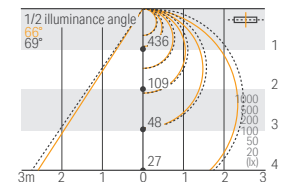
LFUY-T1000\*\*-WW-DF-O-19

Light source color 3500K  
Brightness 448 cd  
Luminous flux 1623 lm  
Color rendering index Ra 97



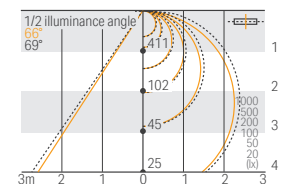
LFUY-T1000\*\*-L30-DF-O-19

Light source color 3000K  
Brightness 436 cd  
Luminous flux 1578 lm  
Color rendering index Ra 95



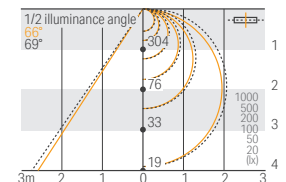
LFUY-T1000\*\*-L27-DF-O-19

Light source color 2700K  
Brightness 411 cd  
Luminous flux 1489 lm  
Color rendering index Ra 94



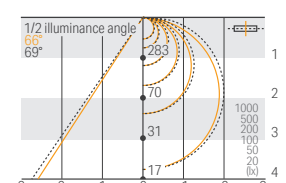
LFUY-T1000\*\*-L25-DF-O-19

Light source color 2500K  
Brightness 304 cd  
Luminous flux 1102 lm  
Color rendering index Ra 94



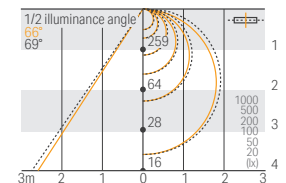
LFUY-T1000\*\*-L22-DF-O-19

Light source color 2200K  
Brightness 283 cd  
Luminous flux 1027 lm  
Color rendering index Ra 93



LFUY-T1000\*\*-L20-DF-O-19

Light source color 2000K  
Brightness 259 cd  
Luminous flux 938 lm  
Color rendering index Ra 91



## Illuminance data



### LFUAY-O Luci SHIN UQ FLEX α IP67

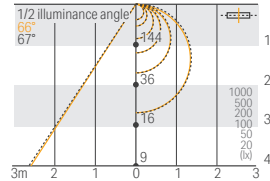
Color temperature

6500K 5000K 4000K 3500K 3000K 2700K 2500K 2200K 2000K

#### Direct horizontal surface light intensity distribution chart - 5W

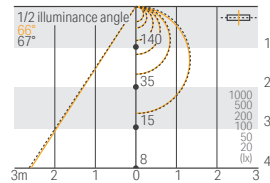
LFUAY-T1000\*\*-D-DF-O-5

Light source color 6500K  
Brightness 144 cd  
Luminous flux 428 lm  
Color rendering index Ra 96



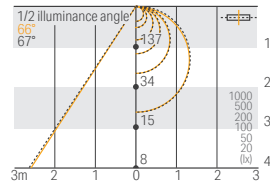
LFUAY-T1000\*\*-N-DF-O-5

Light source color 5000K  
Brightness 140 cd  
Luminous flux 424 lm  
Color rendering index Ra 93



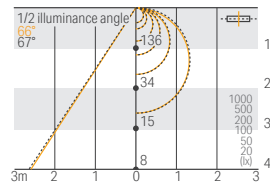
LFUAY-T1000\*\*-W-DF-O-5

Light source color 4000K  
Brightness 141 cd  
Luminous flux 522 lm  
Color rendering index Ra 97



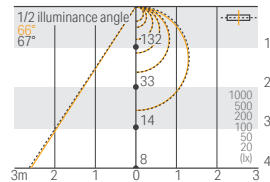
LFUAY-T1000\*\*-WW-DF-O-5

Light source color 3500K  
Brightness 136 cd  
Luminous flux 412 lm  
Color rendering index Ra 97



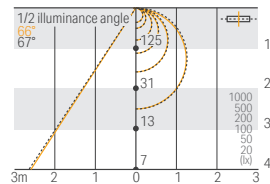
LFUAY-T1000\*\*-L30-DF-O-5

Light source color 3000K  
Brightness 132 cd  
Luminous flux 401 lm  
Color rendering index Ra 95



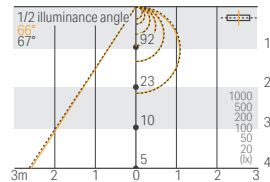
LFUAY-T1000\*\*-L27-DF-O-5

Light source color 2700K  
Brightness 125 cd  
Luminous flux 378 lm  
Color rendering index Ra 94



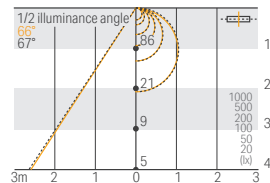
LFUAY-T1000\*\*-L25-DF-O-5

Light source color 2500K  
Brightness 92 cd  
Luminous flux 280 lm  
Color rendering index Ra 94



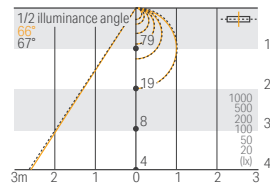
LFUAY-T1000\*\*-L22-DF-O-5

Light source color 2200K  
Brightness 86 cd  
Luminous flux 261 lm  
Color rendering index Ra 93



LFUAY-T1000\*\*-L20-DF-O-5

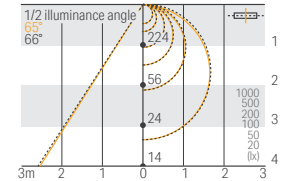
Light source color 2000K  
Brightness 79 cd  
Luminous flux 238 lm  
Color rendering index Ra 91



#### Direct horizontal surface light intensity distribution chart - 9W

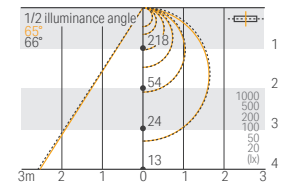
LFUAY-T1000\*\*-D-DF-O-9

Light source color 6500K  
Brightness 224 cd  
Luminous flux 718 lm  
Color rendering index Ra 96



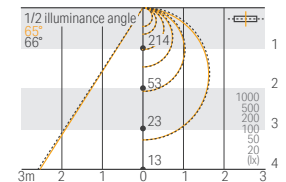
LFUAY-T1000\*\*-N-DF-O-9

Light source color 5000K  
Brightness 218 cd  
Luminous flux 712 lm  
Color rendering index Ra 93



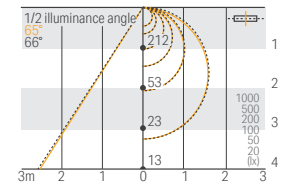
LFUAY-T1000\*\*-W-DF-O-9

Light source color 4000K  
Brightness 214 cd  
Luminous flux 699 lm  
Color rendering index Ra 97



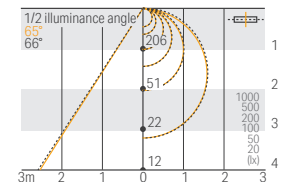
LFUAY-T1000\*\*-WW-DF-O-9

Light source color 3500K  
Brightness 212 cd  
Luminous flux 693 lm  
Color rendering index Ra 97



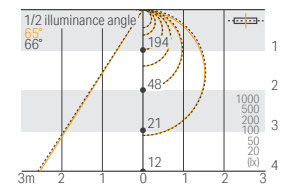
LFUAY-T1000\*\*-L30-DF-O-9

Light source color 3000K  
Brightness 206 cd  
Luminous flux 674 lm  
Color rendering index Ra 95



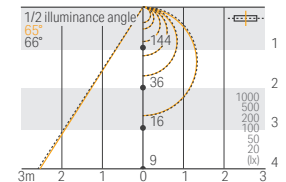
LFUAY-T1000\*\*-L27-DF-O-9

Light source color 2700K  
Brightness 194 cd  
Luminous flux 636 lm  
Color rendering index Ra 94



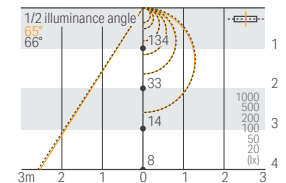
LFUAY-T1000\*\*-L25-DF-O-9

Light source color 2500K  
Brightness 144 cd  
Luminous flux 470 lm  
Color rendering index Ra 94



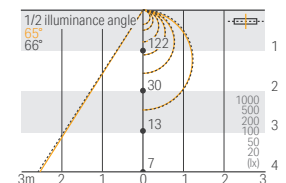
LFUAY-T1000\*\*-L22-DF-O-9

Light source color 2200K  
Brightness 134 cd  
Luminous flux 439 lm  
Color rendering index Ra 93



LFUAY-T1000\*\*-L20-DF-O-9

Light source color 2000K  
Brightness 122 cd  
Luminous flux 400 lm  
Color rendering index Ra 91



Illuminance data



## LFUAY-O Luci SHIN UQ FLEX α IP67

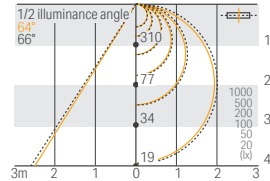
Color temperature

6500K 5000K 4000K 3500K 3000K 2700K 2500K 2200K 2000K

### Direct horizontal surface light intensity distribution chart - 14W

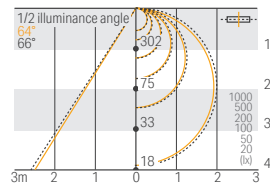
#### LFUAY-T1000\*\*-D-DF-O-14

Light source color 6500K  
Brightness 310 cd  
Luminous flux 1050 lm  
Color rendering index Ra 96



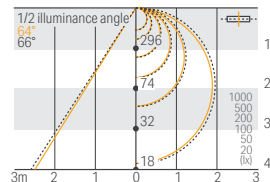
#### LFUAY-T1000\*\*-N-DF-O-14

Light source color 5000K  
Brightness 302 cd  
Luminous flux 1041 lm  
Color rendering index Ra 93



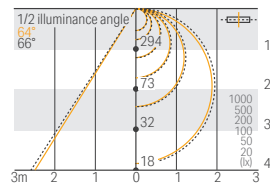
#### LFUAY-T1000\*\*-W-DF-O-14

Light source color 4000K  
Brightness 296 cd  
Luminous flux 1023 lm  
Color rendering index Ra 97



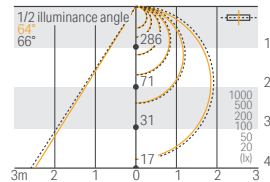
#### LFUAY-T1000\*\*-WW-DF-O-14

Light source color 3500K  
Brightness 294 cd  
Luminous flux 1013 lm  
Color rendering index Ra 97



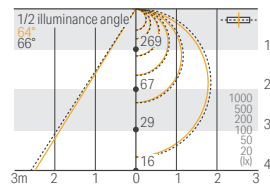
#### LFUAY-T1000\*\*-L30-DF-O-14

Light source color 3000K  
Brightness 286 cd  
Luminous flux 985 lm  
Color rendering index Ra 95



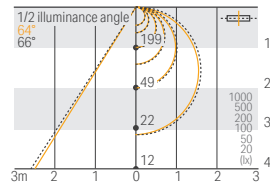
#### LFUAY-T1000\*\*-L27-DF-O-14

Light source color 2700K  
Brightness 269 cd  
Luminous flux 930 lm  
Color rendering index Ra 94



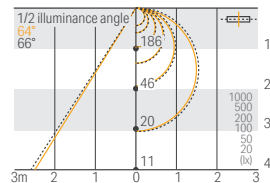
#### LFUAY-T1000\*\*-L25-DF-O-14

Light source color 2500K  
Brightness 199 cd  
Luminous flux 688 lm  
Color rendering index Ra 94



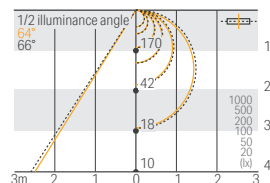
#### LFUAY-T1000\*\*-L22-DF-O-14

Light source color 2200K  
Brightness 186 cd  
Luminous flux 641 lm  
Color rendering index Ra 93



#### LFUAY-T1000\*\*-L20-DF-O-14

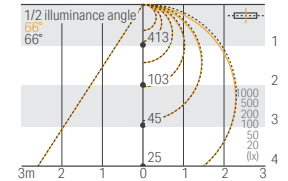
Light source color 2000K  
Brightness 170 cd  
Luminous flux 586 lm  
Color rendering index Ra 91



### Direct horizontal surface light intensity distribution chart - 19W

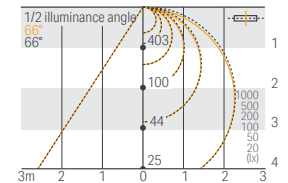
#### LFUAY-T1000\*\*-D-DF-O-19

Light source color 6500K  
Brightness 413 cd  
Luminous flux 1369 lm  
Color rendering index Ra 96



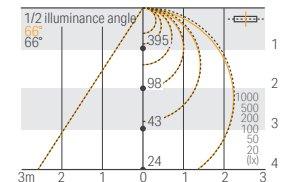
#### LFUAY-T1000\*\*-N-DF-O-19

Light source color 5000K  
Brightness 403 cd  
Luminous flux 1357 lm  
Color rendering index Ra 93



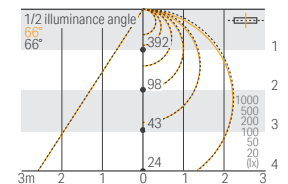
#### LFUAY-T1000\*\*-W-DF-O-19

Light source color 4000K  
Brightness 395 cd  
Luminous flux 1333 lm  
Color rendering index Ra 97



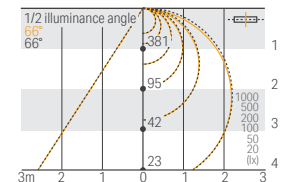
#### LFUAY-T1000\*\*-WW-DF-O-19

Light source color 3500K  
Brightness 392 cd  
Luminous flux 1321 lm  
Color rendering index Ra 97



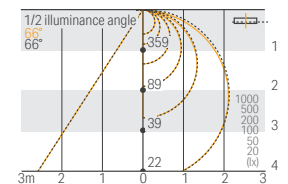
#### LFUAY-T1000\*\*-L30-DF-O-19

Light source color 3000K  
Brightness 381 cd  
Luminous flux 1284 lm  
Color rendering index Ra 95



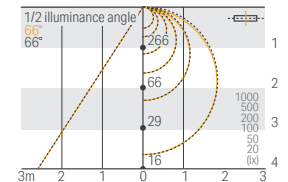
#### LFUAY-T1000\*\*-L27-DF-O-19

Light source color 2700K  
Brightness 359 cd  
Luminous flux 1212 lm  
Color rendering index Ra 94



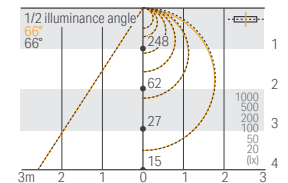
#### LFUAY-T1000\*\*-L25-DF-O-19

Light source color 2500K  
Brightness 266 cd  
Luminous flux 897 lm  
Color rendering index Ra 94



#### LFUAY-T1000\*\*-L22-DF-O-19

Light source color 2200K  
Brightness 248 cd  
Luminous flux 836 lm  
Color rendering index Ra 93



#### LFUAY-T1000\*\*-L20-DF-O-19

Light source color 2000K  
Brightness 226 cd  
Luminous flux 763 lm  
Color rendering index Ra 91

