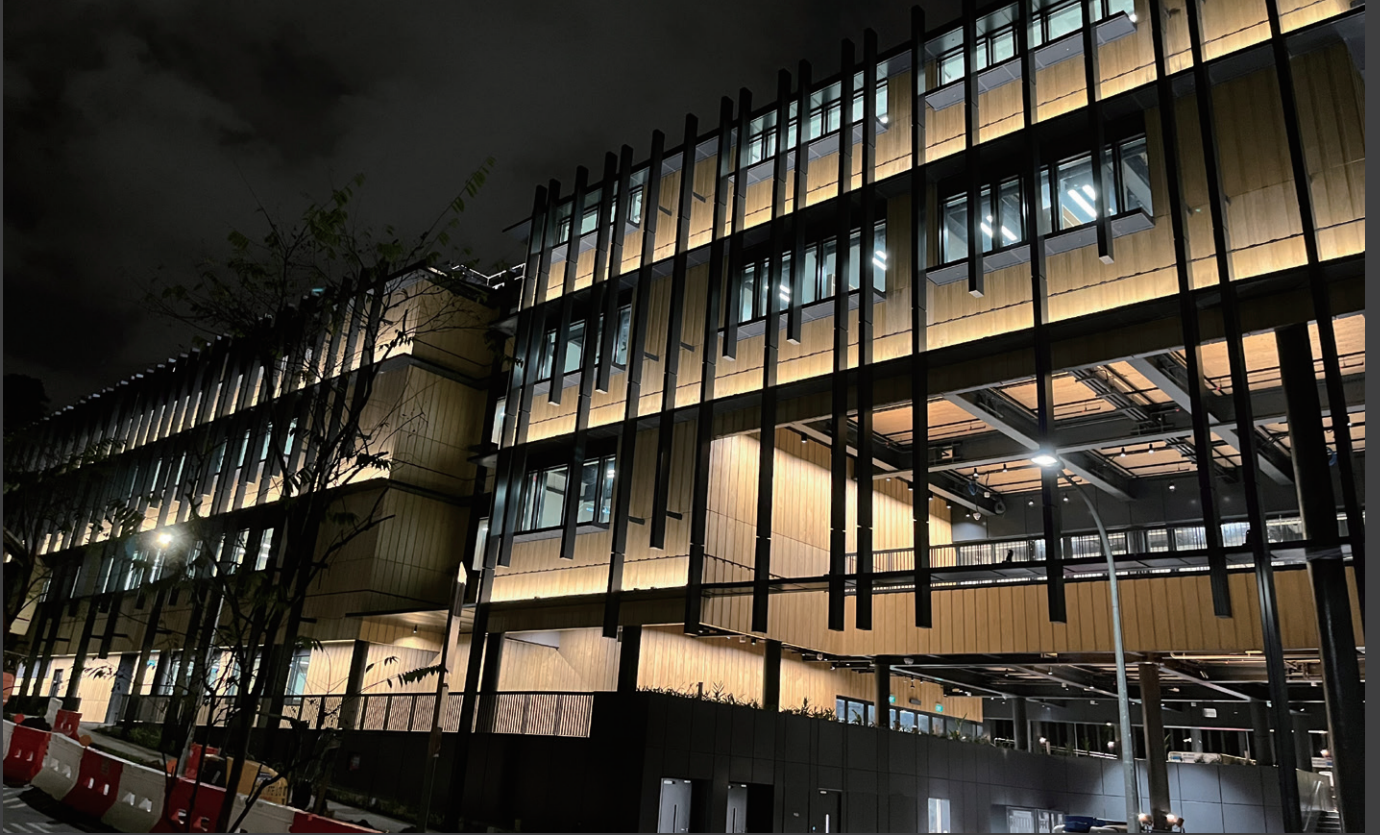
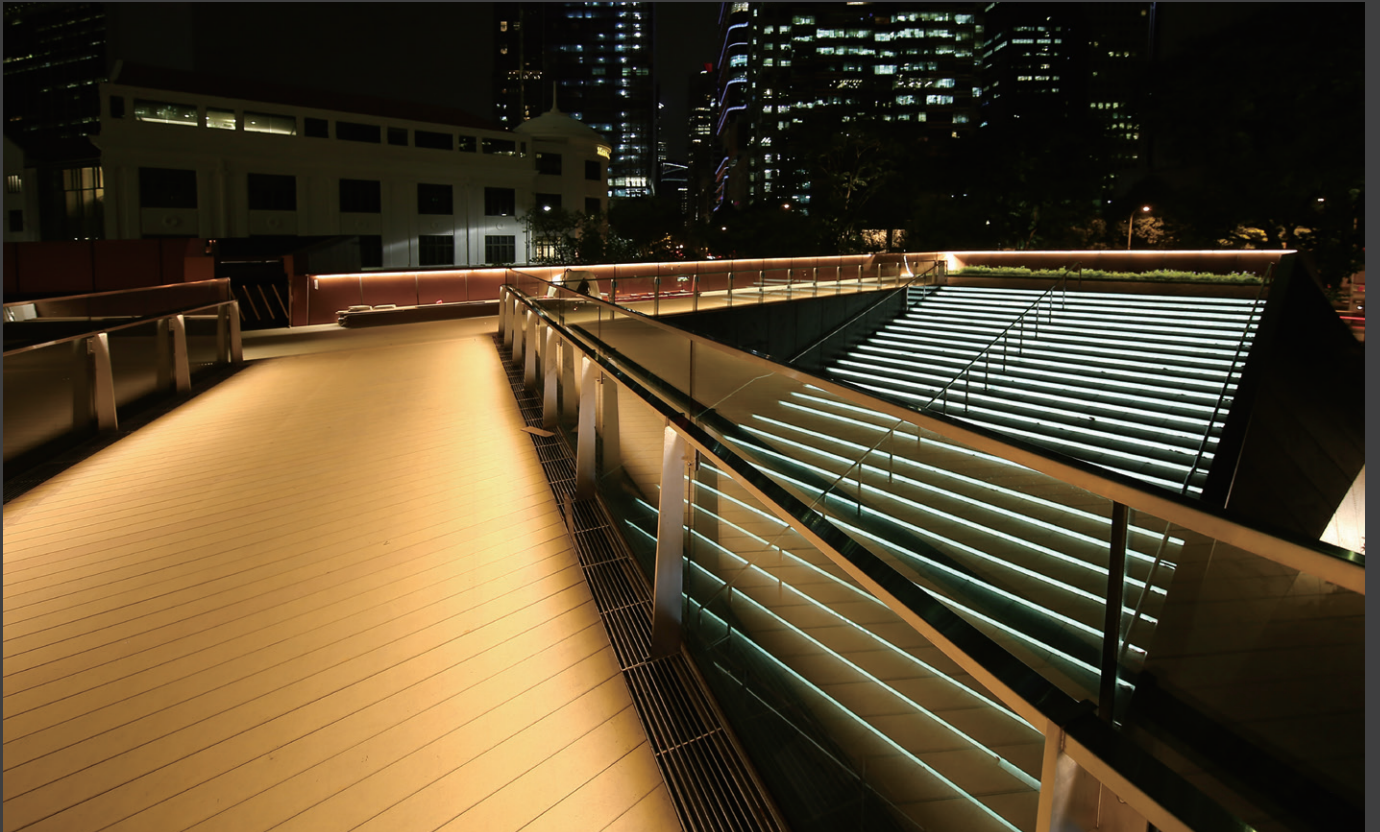


Luci SHIN FLEX IP65

# LFY-0 SHIN series **NEW**



SMU Law Faculty  
Location : Singapore  
Designer : SWITCH  
Photo : Prime Light Pte Ltd



Tanjong Pagar Mixed Development, Guoco Tower  
Location: Singapore  
Lighting Design: Lighting Planners Associates (S) Pte Ltd, Singapore

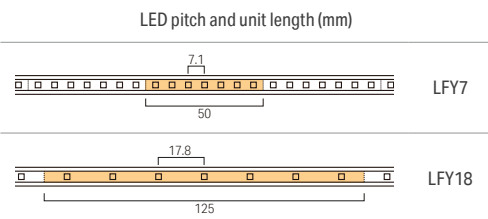
# Luci SHIN FLEX IP65

High-efficiency SHIN FLEX series without compromising on the CRI. A wide selection of output from 2W/m to 15W/m, with 7 or 18 mm pitch.

Encased in a soft acrylic tube, ensures a long lifetime and minimal color shift.

## Specifications

### Dimensions

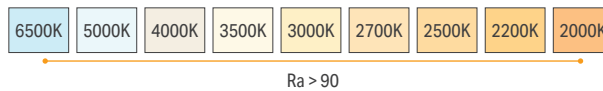


Cross section W 10 x H 4 mm  
 Standard length 1m with both ends open end wire  
 Custom order up to 4m (LFS7 15W) or 5m (others) length at every unit length with both ends or one end feed cable with IP67 connector. Do not allow to cut the LED fixture and cable at site.

### Electrical & Output

Model						
LFY7	Power Consumption (W/m)	15.9	10.8	6.4	4.2	2.1
	Luminous flux @ 3000K (lm/m)	2120	1506	888	597	316
LFY18	Power Consumption (W/m)	12.7	10.8	6.9	4.9	2.9
	Luminous flux @ 3000K (lm/m)	1583	1381	915	661	398

### Color temperature



### Min Bending radius

R 50mm in top (vertical) bend direction



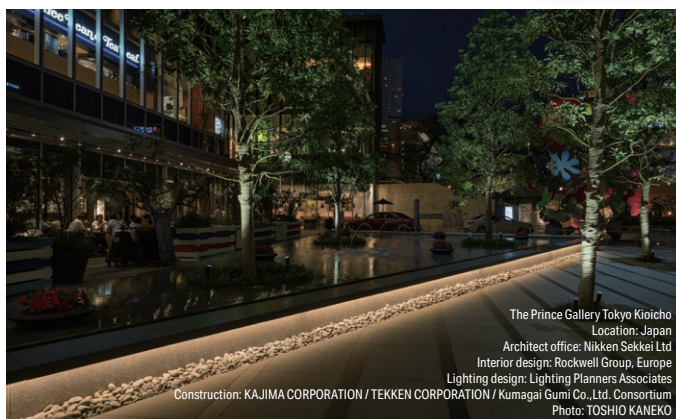
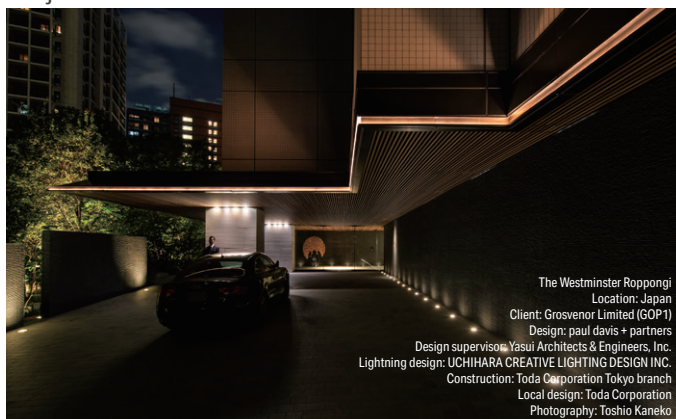
### Soft acrylic tube

High protection, long-lasting and high transparency

### Accessories



## Project reference



# Luci SHIN FLEX IP65

# LFY-0 SHIN series NEW

Color management  
MacAdam 3 step CE

- 2 types of LED pitch (7.1 or 17.8mm) for profile and cover lighting
- 5 types of wattage 2W/m to 15W/m in same LED package to match CCT
- High efficient LED package achieving up to 185 lm/W



Model No.

**LFY**  - **T**  -  -  - **CL** - **O** -

Product Name / LED pitch	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFY7 : 7.1mm pitch	Custom order length	W : Both ends S : One end	D : 6500K N : 5000K W : 4000K WW : 3500K L30 : 3000K L27 : 2700K L25 : 2500K L22 : 2200K L20 : 2000K	CL : Clear	O : IP65	LFY7
LFY18 : 17.8mm pitch						LFY18
						2 : 2.1W/m    2 : 2.9W/m 4 : 4.2W/m    4 : 4.9W/m 6 : 6.4W/m    6 : 6.9W/m 10 : 10.8W/m    10 : 10.8W/m 15 : 15.9W/m    12 : 12.7W/m

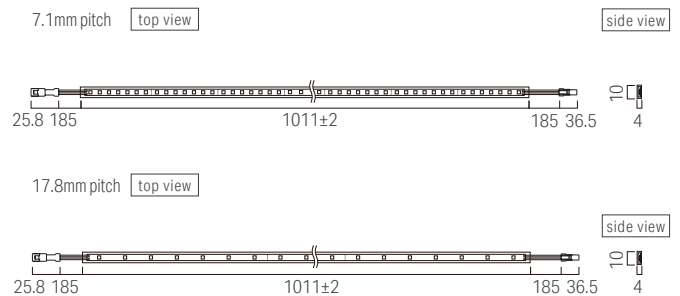
### Specification @ Clear cover

LED pitch	7.1mm pitch					17.8mm pitch					
	LFY7-T1000W/S - (CCT) - CL - O - (Wattage)					LFY18-T1000W/S - (CCT) - CL - O - (Wattage)					
Unit length	50mm					125mm					
Wattage	15.9 W/m	10.8 W/m	6.4 W/m	4.2 W/m	2.1 W/m	12.7 W/m	10.8 W/m	6.9 W/m	4.9 W/m	2.9 W/m	
Luminaire efficacy (2700K)	126 lm/W	132 lm/W	132 lm/W	133 lm/W	141 lm/W	135 lm/W	136 lm/W	137 lm/W	138 lm/W	139 lm/W	
Light source color											
D	6500K Ra95	2260lm	1606lm	947lm	636lm	337lm	1687lm	1472lm	975lm	705lm	424lm
N	5000K Ra92	2240lm	1592lm	939lm	631lm	334lm	1672lm	1459lm	967lm	699lm	420lm
W	4000K Ra96	2200lm	1563lm	922lm	619lm	328lm	1642lm	1433lm	949lm	686lm	413lm
WW	3500K Ra96	2180lm	1549lm	913lm	614lm	325lm	1627lm	1420lm	941lm	680lm	409lm
L30	3000K Ra94	2120lm	1506lm	888lm	597lm	316lm	1583lm	1381lm	915lm	661lm	398lm
L27	2700K Ra93	2000lm	1421lm	838lm	563lm	298lm	1493lm	1303lm	863lm	624lm	375lm
L25	2500K Ra93	1480lm	1052lm	620lm	417lm	221lm	1105lm	964lm	639lm	462lm	278lm
L22	2200K Ra92	1380lm	980lm	578lm	388lm	206lm	1030lm	899lm	595lm	431lm	259lm
L20	2000K Ra90	1260lm	895lm	528lm	355lm	188lm	941lm	821lm	544lm	393lm	236lm

### General Specification

Input voltage	DC24V
Environment	IP65
Max. length per circuit	4m (LFY7 15W), 5m (Others)
Min. bending range	R50mm
Material	Soft acrylic
Attachments	-
Accessories	① ② Mounting rail ③ ④ Mounting clip ⑤ Power supply cable
Certification	CE, PBT FREE
Dimmable	Yes (0-10V, 1-10V, DMX, DALI, PWM)

### External dimensions

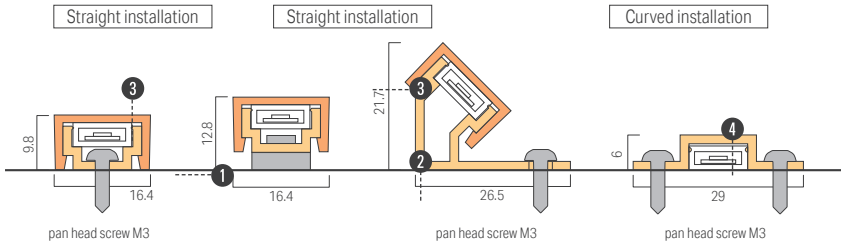


### Custom order products size

Luci SHIN FLEX IP65 7.1mm pitch									
Corresponds to <b>Length</b> of Model No. and External dimensions									
0050	0550	1050	1550	2050	2550	3050	3550	4050	4550
0100	0600	1100	1600	2100	2600	3100	3600	4100	4600
0150	0650	1150	1650	2150	2650	3150	3650	4150	4650
0200	0700	1200	1700	2200	2700	3200	3700	4200	4700
0250	0750	1250	1750	2250	2750	3250	3750	4250	4750
0300	0800	1300	1800	2300	2800	3300	3800	4300	4800
0350	0850	1350	1850	2350	2850	3350	3850	4350	4850
0400	0900	1400	1900	2400	2900	3400	3900	4400	4900
0450	0950	1450	1950	2450	2950	3450	3950	4450	4950
0500	1000	1500	2000	2500	3000	3500	4000	4500	5000

Luci SHIN FLEX IP65 17.8mm pitch				
Corresponds to <b>Length</b> of Model No. and External dimensions				
0125	1125	2125	3125	4125
0250	1250	2250	3250	4250
0375	1375	2375	3375	4375
0500	1500	2500	3500	4500
0625	1625	2625	3625	4625
0750	1750	2750	3750	4750
0875	1875	2875	3875	4875
1000	2000	3000	4000	5000

Cross sectional view when installing optional items



Option parts

**1** Mounting rail 1000 for SHIN FLEX  
 Model No : LFY-RL1000  
 Material : AES

**3** Mounting clip for rail (5pcs) is included.

**2** 45° Mounting rail 1000 for SHIN FLEX  
 Model No : LFY-45RL1000  
 Material : AES

**3** Mounting clip for rail (5pcs) is included.

**3** Mounting clip for SHIN FLEX rail **Attachments for 1**  
 Model No : LFY-PT  
 For extra order, 5 pcs / bag

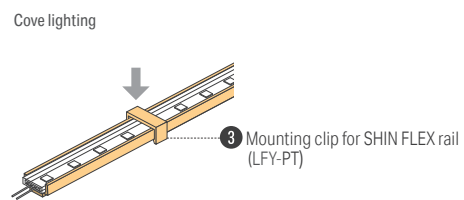
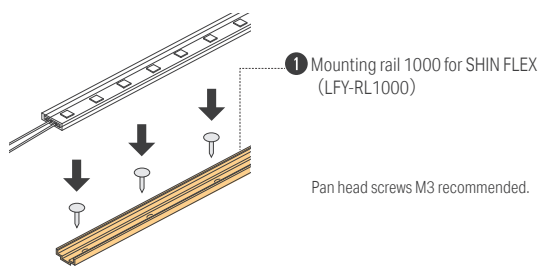
**4** Mounting clip for SHIN FLEX  
 Model No : LFY-RC  
 10 pcs / bag  
 For curved installation

**5** Outdoor cable 3M TR connector for FLEX **Required**  
 Model No : CAD-3000-MEFE-O  
 1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.

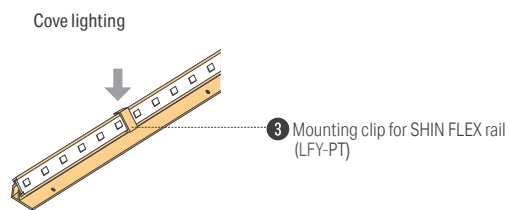
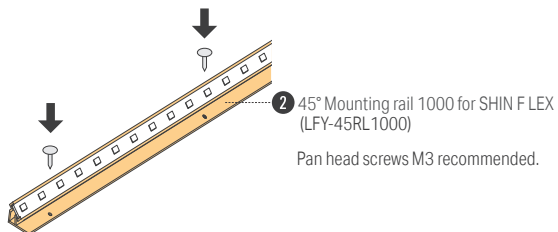
# Luci SHIN FLEX IP65

## Installing the product

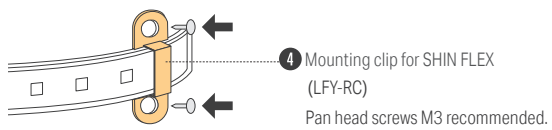
### Straight installation



### Straight installation by 45 degree rail



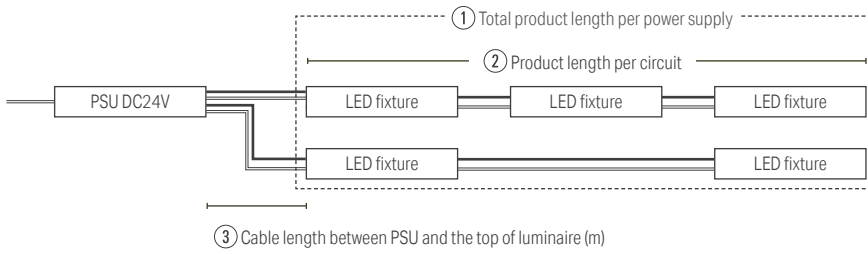
### Curved installation



Minimum bending radius



System configuration diagram



- ① Total product length per power supply depends on capacity of the power supply. Recommended loading factor is 70% (without dimming) or 60% (with dimming).
- ② 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
- ③ To minimize voltage drop, select appropriate wire gauge/diameter and consider the cable length between PSU and the top of luminaire referring to the following table. If longer cable distances are required, use thicker wires or reduce the loading of the lighting fixtures in the circuit.

Product code	Power	Cross section	0.3 sq	0.5 sq	0.75 sq
		Wire gauge	AWG 22	AWG 20	AWG 18
		② Max. product length per circuit	③ Max. cable length between PSU and the top of luminaire at ② Max. product length per circuit		
LFY7-T1000W*-CL-O-15	15.9 W/m	4 m	2.0m	3.3m	5.2m
LFY7-T1000W*-CL-O-10	10.8 W/m	5 m	3.0m	4.8m	7.5m
LFY7-T1000W*-CL-O-6	6.4 W/m	5 m	5.1m	8.2m	13.0m
LFY7-T1000W*-CL-O-4	4.2 W/m	5 m	7.8m	12.5m	20.0m
LFY7-T1000W*-CL-O-2	2.1 W/m	5 m	15.5m	25.0m	39.0m
LFY18-T1000W*-CL-O-12	12.7 W/m	5 m	2.6m	4.2m	6.5m
LFY18-T1000W*-CL-O-10	10.8 W/m	5 m	3.2m	5.2m	8.0m
LFY18-T1000W*-CL-O-6	6.9 W/m	5 m	4.3m	7.0m	11.0m
LFY18-T1000W*-CL-O-4	4.9 W/m	5 m	6.5m	10.5m	16.0m
LFY18-T1000W*-CL-O-2	2.9 W/m	5 m	13.0m	21.0m	32.0m

# Luci SHIN FLEX IP65

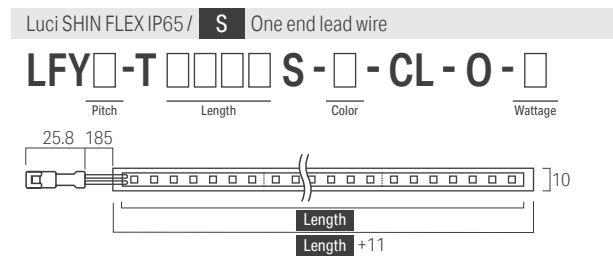
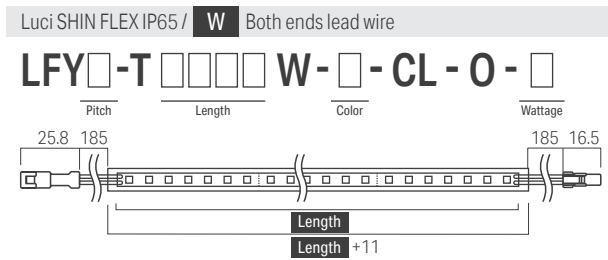
Luci SHIN FLEX IP65 -Custom order-

Model No.

**LFY**  - **T**   -  - **CL** - **O** -

LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment	Wattage																								
<b>7</b> 7.1mm Pitch <b>18</b> 17.8mm Pitch	Refer to "Custom order products size"	<b>W</b> Both ends <b>S</b> One end	<b>D</b> 6500K <b>N</b> 5000K <b>W</b> 4000K <b>WW</b> 3500K <b>L30</b> 3000K <b>L27</b> 2700K <b>L25</b> 2500K <b>L22</b> 2200K <b>L20</b> 2000K	<b>CL</b> Clear	<b>O</b> IP65	<table border="1"> <thead> <tr> <th colspan="2">LFY7</th> <th colspan="2">LFY18</th> </tr> </thead> <tbody> <tr> <td><b>2</b></td> <td>2.1W/m</td> <td><b>2</b></td> <td>2.9W/m</td> </tr> <tr> <td><b>4</b></td> <td>4.2W/m</td> <td><b>4</b></td> <td>4.9W/m</td> </tr> <tr> <td><b>6</b></td> <td>6.4W/m</td> <td><b>6</b></td> <td>6.9W/m</td> </tr> <tr> <td><b>10</b></td> <td>10.8W/m</td> <td><b>10</b></td> <td>10.8W/m</td> </tr> <tr> <td><b>15</b></td> <td>15.9W/m</td> <td><b>12</b></td> <td>12.7W/m</td> </tr> </tbody> </table>	LFY7		LFY18		<b>2</b>	2.1W/m	<b>2</b>	2.9W/m	<b>4</b>	4.2W/m	<b>4</b>	4.9W/m	<b>6</b>	6.4W/m	<b>6</b>	6.9W/m	<b>10</b>	10.8W/m	<b>10</b>	10.8W/m	<b>15</b>	15.9W/m	<b>12</b>	12.7W/m
LFY7		LFY18																												
<b>2</b>	2.1W/m	<b>2</b>	2.9W/m																											
<b>4</b>	4.2W/m	<b>4</b>	4.9W/m																											
<b>6</b>	6.4W/m	<b>6</b>	6.9W/m																											
<b>10</b>	10.8W/m	<b>10</b>	10.8W/m																											
<b>15</b>	15.9W/m	<b>12</b>	12.7W/m																											

## External dimension



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

## Custom order products size

Luci SHIN FLEX IP65 7.1mm pitch				
Corresponds to <b>Length</b> of Model No. and External dimensions				
0050	1050	2050	3050	4050
0100	1100	2100	3100	4100
0150	1150	2150	3150	4150
0200	1200	2200	3200	4200
0250	1250	2250	3250	4250
0300	1300	2300	3300	4300
0350	1350	2350	3350	4350
0400	1400	2400	3400	4400
0450	1450	2450	3450	4450
0500	1500	2500	3500	4500
0550	1550	2550	3550	4550
0600	1600	2600	3600	4600
0650	1650	2650	3650	4650
0700	1700	2700	3700	4700
0750	1750	2750	3750	4750
0800	1800	2800	3800	4800
0850	1850	2850	3850	4850
0900	1900	2900	3900	4900
0950	1950	2950	3950	4950
1000	2000	3000	4000	5000

Luci SHIN FLEX IP65 17.8mm pitch				
Corresponds to <b>Length</b> of Model No. and External dimensions				
0125	1125	2125	3125	4125
0250	1250	2250	3250	4250
0375	1375	2375	3375	4375
0500	1500	2500	3500	4500
0625	1625	2625	3625	4625
0750	1750	2750	3750	4750
0875	1875	2875	3875	4875
1000	2000	3000	4000	5000





# Luci SHIN FLEX IP65

## Illuminance data



### LFY7 Luci SHIN FLEX 7mm pitch

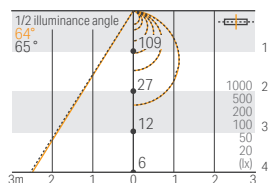
Color temperature

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

#### Direct horizontal surface light intensity distribution chart @2700K

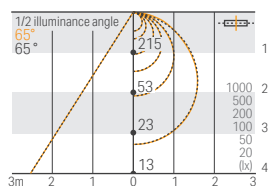
LFY7-T1000-L27-CL\_-02

Light source color 2700K  
Brightness 109 cd  
Luminous flux 298 lm  
Color rendering index Ra 93



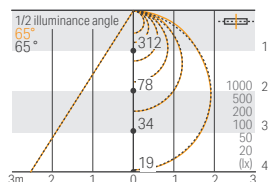
LFY7-T1000-L27-CL\_-04

Light source color 2700K  
Brightness 215 cd  
Luminous flux 563 lm  
Color rendering index Ra 93



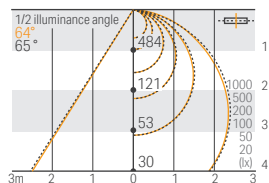
LFY7-T1000-L27-CL\_-06

Light source color 2700K  
Brightness 312 cd  
Luminous flux 838 lm  
Color rendering index Ra 93



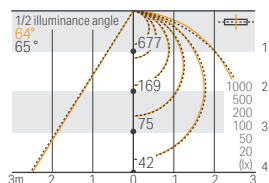
LFY7-T1000-L27-CL\_-10

Light source color 2700K  
Brightness 484 cd  
Luminous flux 1421 lm  
Color rendering index Ra 93

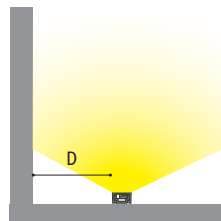


LFY7-T1000-L27-CL\_-15

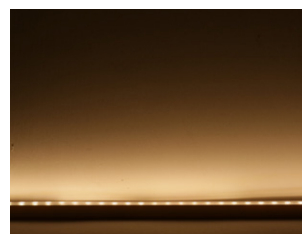
Light source color 2700K  
Brightness 677 cd  
Luminous flux 2000 lm  
Color rendering index Ra 93



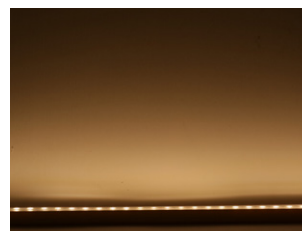
#### Distance from wall



7mm Pitch D=0mm



7mm Pitch D=15mm



Illuminance data



# LFY18

## Luci SHIN FLEX 18mm pitch

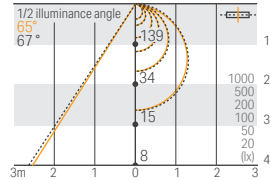
Color temperature

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

Direct horizontal surface light intensity distribution chart @2700K

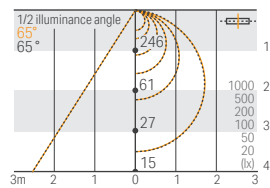
LFY18-T1000-L27-CL\_-02

Light source color 2700K  
 Brightness 139 cd  
 Luminous flux 375 lm  
 Color rendering index Ra 93



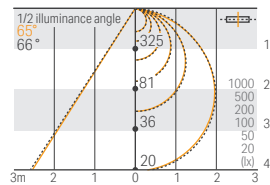
LFY18-T1000-L27-CL\_-04

Light source color 2700K  
 Brightness 246 cd  
 Luminous flux 624 lm  
 Color rendering index Ra 93



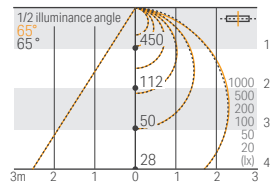
LFY18-T1000-L27-CL\_-06

Light source color 2700K  
 Brightness 325 cd  
 Luminous flux 863 lm  
 Color rendering index Ra 93



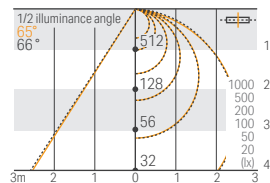
LFY18-T1000-L27-CL\_-10

Light source color 2700K  
 Brightness 450 cd  
 Luminous flux 1303 lm  
 Color rendering index Ra 93

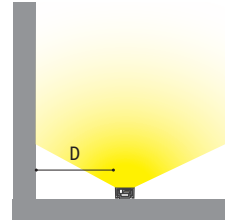


LFY18-T1000-L27-CL\_-12

Light source color 2700K  
 Brightness 512 cd  
 Luminous flux 1493 lm  
 Color rendering index Ra 93



Distance from wall



18mm Pich D=0mm



18mm Pich D=15mm

