

Luci SHIN FLEX Indoor

LFY-I SHIN series **NEW**



EVOLUTION JAPAN
Location: Japan
Lighting design: MAXRAY INC. KENJI ITO
Construction: HASEGAWA CO.,LTD
Photo: @SEIRYO YAMADA



Ritz Carlton Langkawi
Location: Malaysia
Architect office: Light moment
Photo: Zoom

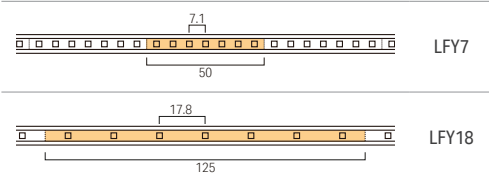
Luci SHIN FLEX Indoor

High-efficiency SHIN FLEX series without compromising on the CRI. A wide selection of output from 2W/m to 15W/m, with 7 or 18mm pitch. Encased in a soft acrylic tube, ensures a long lifetime and minimal color shift.

Specifications

Dimensions

LED pitch and cuttable unit length (mm)



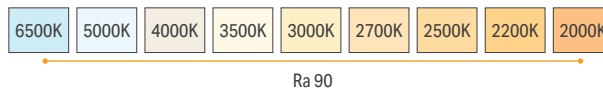
Cross section W 10 x H 4 mm
 Standard length 1m with both ends open end wire
 Custom order up to 5m lengths at every unit length with both ends or one end feed cable

Cutttable luminaire at site at scissor mark. 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 one side feed.

Electrical & Output

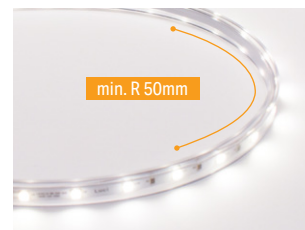
Model		15.9	10.8	6.4	4.2	2.1
LFY7	Power Consumption (W/m)	15.9	10.8	6.4	4.2	2.1
	Luminous flux @ 3000K (lm/m)	2110	1499	884	594	314
LFY18	Power Consumption (W/m)	12.7	10.8	6.9	4.9	2.9
	Luminous flux @ 3000K (lm/m)	1575	1374	911	658	396

Color temperature



Min Bending radius

R 50mm in top (vertical) bend direction



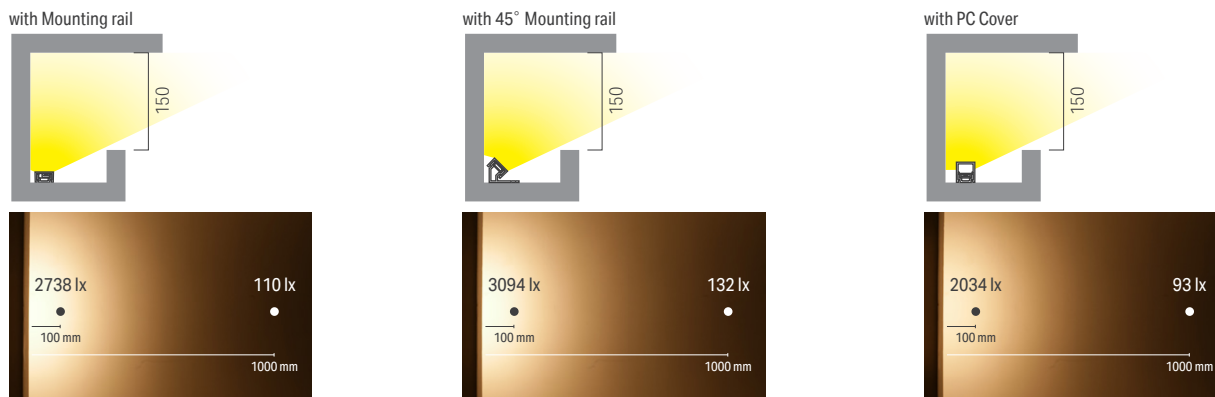
Soft acrylic tube

High protection, long-lasting and high transparency

Accessories



Features



Project reference



Luci SHIN FLEX Indoor

LFY-I 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	-	I	-	 											
Product Name / LED pitch	Length		Lead wire	Light source color			Tube type	Environment		Wattage													
LFY7 : 7.1mm pitch LFY18 : 17.8mm 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	I : Indoor		<table border="1"> <tr> <td>LFY7</td> <td>LFY18</td> </tr> <tr> <td>2 : 2.1W/m</td> <td>2 : 2.9W/m</td> </tr> <tr> <td>4 : 4.2W/m</td> <td>4 : 4.9W/m</td> </tr> <tr> <td>6 : 6.4W/m</td> <td>6 : 6.9W/m</td> </tr> <tr> <td>10 : 10.8W/m</td> <td>10 : 10.8W/m</td> </tr> <tr> <td>15 : 15.9W/m</td> <td>12 : 12.7W/m</td> </tr> </table>		LFY7	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
LFY7	LFY18																						
2 : 2.1W/m	2 : 2.9W/m																						
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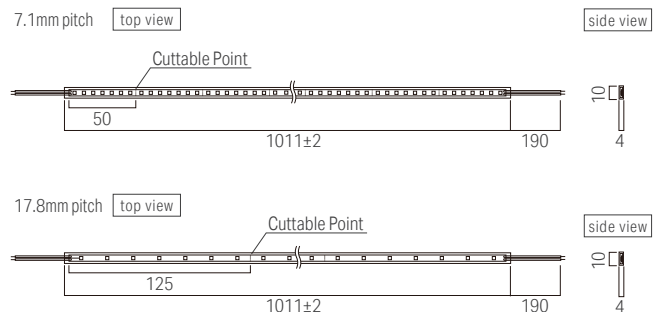
Specification

LED pitch	7.1mm pitch						17.8mm pitch					
	LFY7- T1000W/S - (CCT) - CL - I - (Wattage)						LFY18- T1000W/S - (CCT) - CL - I - (Wattage)					
Cuttable unit	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		118 lm/W	121 lm/W	125 lm/W	128 lm/W	129 lm/W	
Light source color												
D	6500K Ra95	2265 lm	1609 lm	949 lm	638 lm	337 lm	1691 lm	1476 lm	978 lm	706 lm	425 lm	
N	5000K Ra92	2246 lm	1595 lm	941 lm	632 lm	334 lm	1677 lm	1463 lm	970 lm	700 lm	421 lm	
W	4000K Ra96	2201 lm	1563 lm	922 lm	619 lm	328 lm	1643 lm	1433 lm	950 lm	686 lm	413 lm	
WW	3500K Ra96	2188 lm	1554 lm	916 lm	616 lm	326 lm	1633 lm	1425 lm	945 lm	682 lm	410 lm	
L30	3000K Ra94	2210 lm	1499 lm	884 lm	594 lm	314 lm	1575 lm	1374 lm	911 lm	658 lm	396 lm	
L27	2700K Ra93	2000 lm	1421 lm	838 lm	563 lm	298 lm	1493 lm	1303 lm	863 lm	624 lm	375 lm	
L25	2500K Ra93	1489 lm	1057 lm	624 lm	419 lm	222 lm	1111 lm	970 lm	643 lm	464 lm	279 lm	
L22	2200K Ra92	1372 lm	975 lm	575 lm	386 lm	204 lm	1024 lm	894 lm	592 lm	428 lm	257 lm	
L20	2000K Ra90	1269 lm	901 lm	531 lm	357 lm	159 lm	947 lm	826 lm	548 lm	396 lm	238 lm	

General Specification

Input voltage	DC24V
Environment	IP20 equivalent
Max. length per circuit	5m
Min. bending range	R50mm
Material	Soft acrylic
Attachments	⑤ End cap 2pcs for Indoor
Accessories	① ② Mounting rail ③ ④ Mounting clip ⑤ End cap ⑥ PC Cover ⑦ Magnet
Certification	CE, PBT FREE
Dimmable	Yes (0-10V, 1-10V, DMX, DALI, PWM)

External dimensions

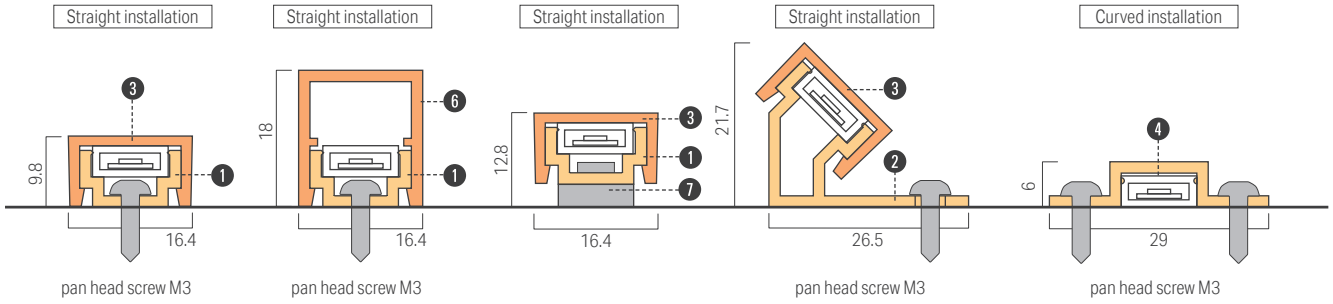


Custom order products size

Luci SHIN FLEX Indoor 7.1mm pitch									
Corresponds to Length 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

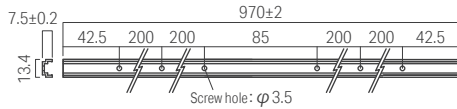
Luci SHIN FLEX Indoor 17.8mm pitch				
Corresponds to Length of Model No. and External dimensions				
0125	1125	2125	3125	4125
0250	1250	2250	3250	4250
0375	1375	2375	3375	4375
0500	1500	2500	3500	4500
0625	1625	2625	3625	4625
0750	1750	2750	3750	4750
0875	1875	2875	3875	4875
1000	2000	3000	4000	5000

Cross sectional view when installing optional items

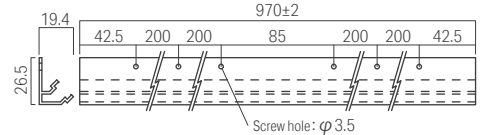


Accessories

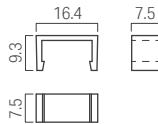
1 Mounting rail 1000 for SHIN FLEX
 Model No : LFY-RL1000
 Material : AES
3 Mounting clip for rail (5pcs) is included.



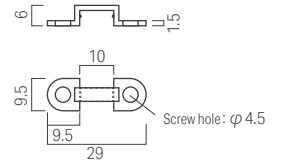
2 45° Mounting rail 1000 for SHIN FLEX
 Model No : LFY-45RL1000
 Material : AES
3 Mounting clip for rail (5pcs) is included.



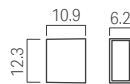
3 Mounting clip for SHIN FLEX rail **Attachments for 1**
 Model No : LFY-PT
 For extra order, 5 pcs / bag



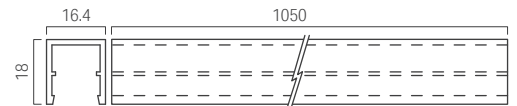
4 Mounting clip for SHIN FLEX
 Model No : LFY-RC
 10 pcs / bag
 For curved installation



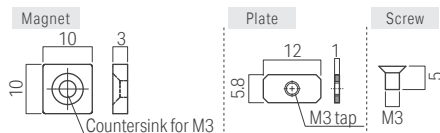
5 End cap for SHIN FLEX **Attachments**
 Model No : LFY-EC
 Attached with LED fixture on request
 2 pcs / bag per LED fixture
 For sealing the open end of LED fixture after cutting.
 Sealing glue is required to supply by installer.
 Acrylic glue is recommended.
 For extra order,
 2 pcs / bag



6 SHIN FLEX PC Cover H18mm 1050mm
 Model No : LFY-C1050-A
 Length: 1050mm
 Attach to mounting rail
 LFY7: fully diffuse
 LFY18: dark spots are visible
 for upward installation recommended



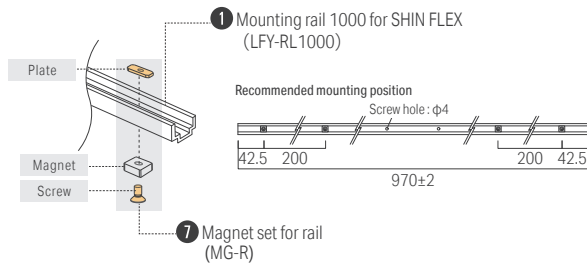
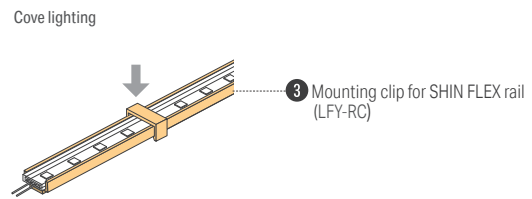
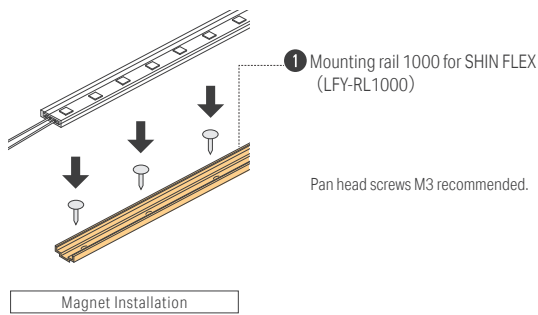
7 Magnet set for rail
 Model No : MG-R
 4 pcs / bag
 Used for installing LED fixture
 with mounting rail **1** on metal plate.
 Metal plate is required by installer.



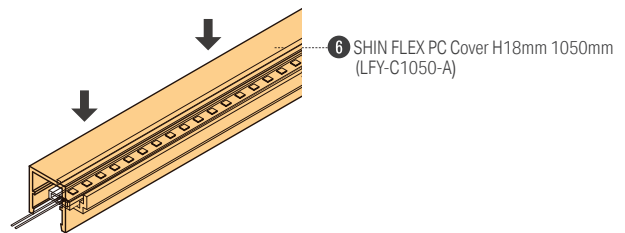
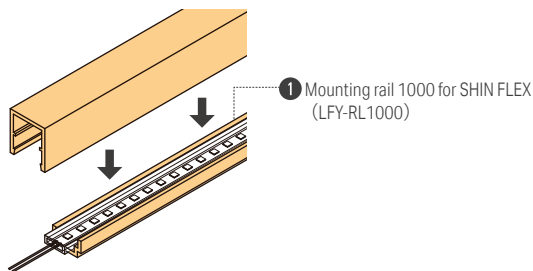
Luci SHIN FLEX Indoor

Installing the product

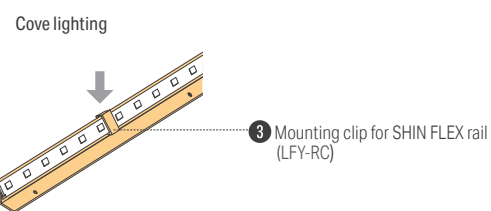
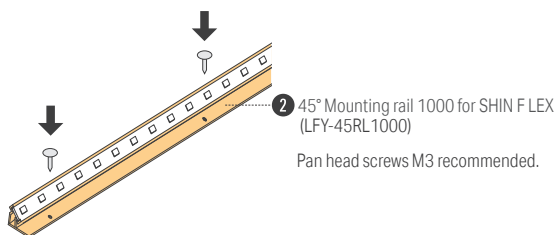
Straight installation



Installation with mounting rail and PC Cover



Straight installation by 45 degree rail



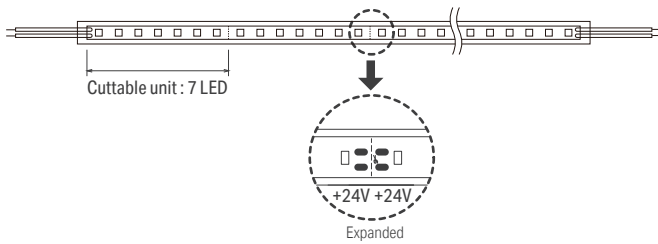
Curved installation



Minimum bending radius



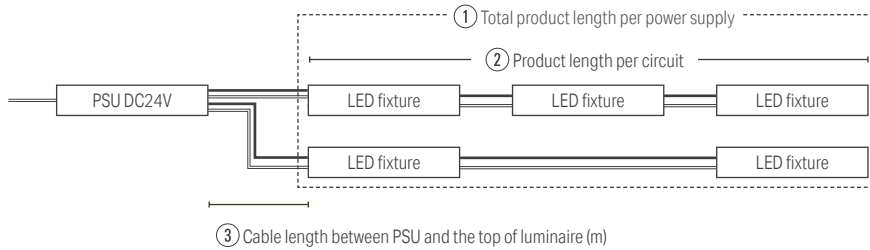
Cutting of lamp fitting



The cuttable unit of Luci SHIN FLEX F is 7 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

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			
		Wire gauze	0.3 sq	0.5 sq	0.75 sq
		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-I-15	15.9 W/m	5 m	2.0m	3.3m	5.2m
LFY7-T1000W-*-CL-I-10	10.8 W/m	5 m	3.0m	4.8m	7.5m
LFY7-T1000W-*-CL-I-6	6.4 W/m	5 m	5.1m	8.2m	13.0m
LFY7-T1000W-*-CL-I-4	4.2 W/m	5 m	7.8m	12.5m	20.0m
LFY7-T1000W-*-CL-I-2	2.1 W/m	5 m	15.5m	25.0m	39.0m
LFY18-T1000W-*-CL-I-12	12.7 W/m	5 m	2.6m	4.2m	6.5m
LFY18-T1000W-*-CL-I-10	10.8 W/m	5 m	3.2m	5.2m	8.0m
LFY18-T1000W-*-CL-I-6	6.9 W/m	5 m	4.3m	7.0m	11.0m
LFY18-T1000W-*-CL-I-4	4.9 W/m	5 m	6.5m	10.5m	16.0m
LFY18-T1000W-*-CL-I-2	2.9 W/m	5 m	13.0m	21.0m	32.0m

Luci SHIN FLEX Indoor

Luci SHIN FLEX -Custom order-

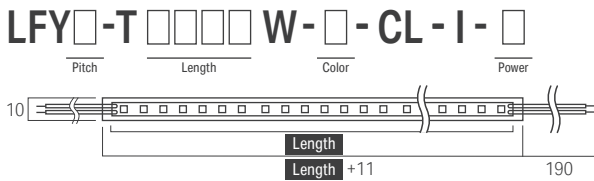
Model No.

LFY - **T** - - **CL** - **I** -

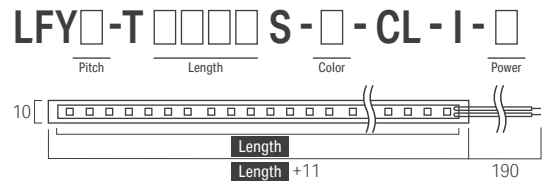
LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment	Power																								
<p>7 7.1mm Pitch</p> <p>18 17.8mm Pitch</p>	Refer to "Custom order products size"	<p>W Both ends</p> <p>S One end</p>	<p>D Daylight white 6500K</p> <p>N Natural white 5000K</p> <p>W White 4000K</p> <p>WW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

External dimension

Luci SHIN FLEX Indoor / **W** Both ends lead wire



Luci SHIN FLEX Indoor / **S** One end lead wire



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

Custom order products size

Luci SHIN FLEX 7.1mm pitch				
Corresponds to Length 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 17.8mm pitch				
Corresponds to Length 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 Indoor

Illuminance data



LFY7 Luci SHIN FLEX 7mm pitch

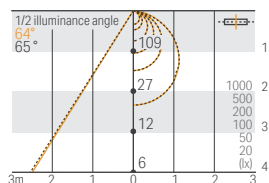
Color temperature

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

Direct horizontal surface light intensity distribution chart @2700K

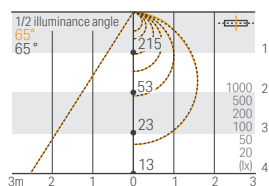
LFY7-T1000-L27-CL_-2

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



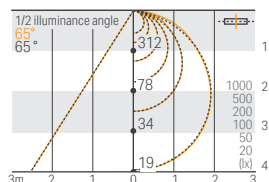
LFY7-T1000-L27-CL_-4

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



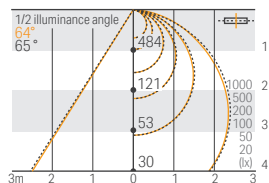
LFY7-T1000-L27-CL_-6

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



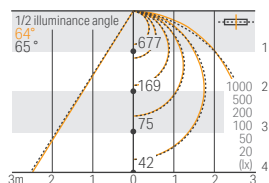
LFY7-T1000-L27-CL_-10

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

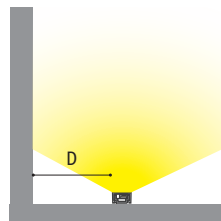


LFY7-T1000-L27-CL_-15

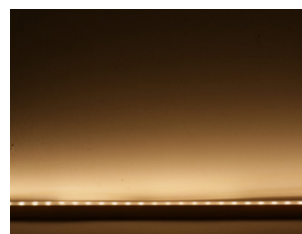
Light source color 2700K
Brightness 677 cd
Luminous flux 2000 lm
Color rendering index Ra 93



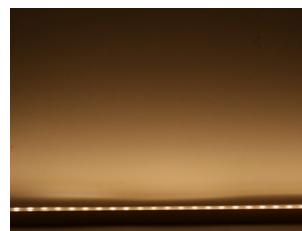
Distance from wall



7mm Pich D=0mm



7mm Pich D=15mm



Illuminance data



LFY18

Luci SHIN FLEX 18mm pitch

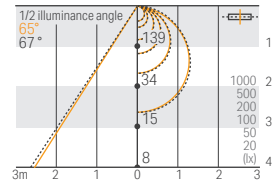
Color temperature

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

Direct horizontal surface light intensity distribution chart @2700K

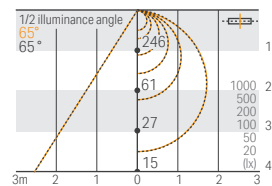
LFY18-T1000-L27-CL_-2

Light source color 2700K
 Brightness 139 cd
 Luminous flux 396 lm
 Color rendering index Ra 93



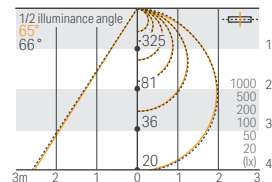
LFY18-T1000-L27-CL_-4

Light source color 2700K
 Brightness 246 cd
 Luminous flux 666 lm
 Color rendering index Ra 93



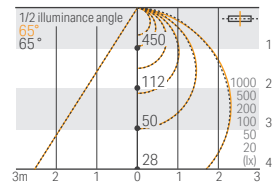
LFY18-T1000-L27-CL_-6

Light source color 2700K
 Brightness 325 cd
 Luminous flux 951 lm
 Color rendering index Ra 93



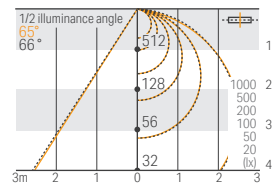
LFY18-T1000-L27-CL_-10

Light source color 2700K
 Brightness 450 cd
 Luminous flux 1500 lm
 Color rendering index Ra 93

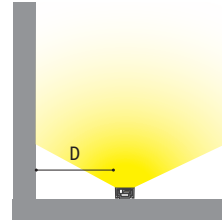


LFY18-T1000-L27-CL_-12

Light source color 2700K
 Brightness 512 cd
 Luminous flux 1763 lm
 Color rendering index Ra 93



Distance from wall



18mm Pich D=0mm



18mm Pich D=15mm

