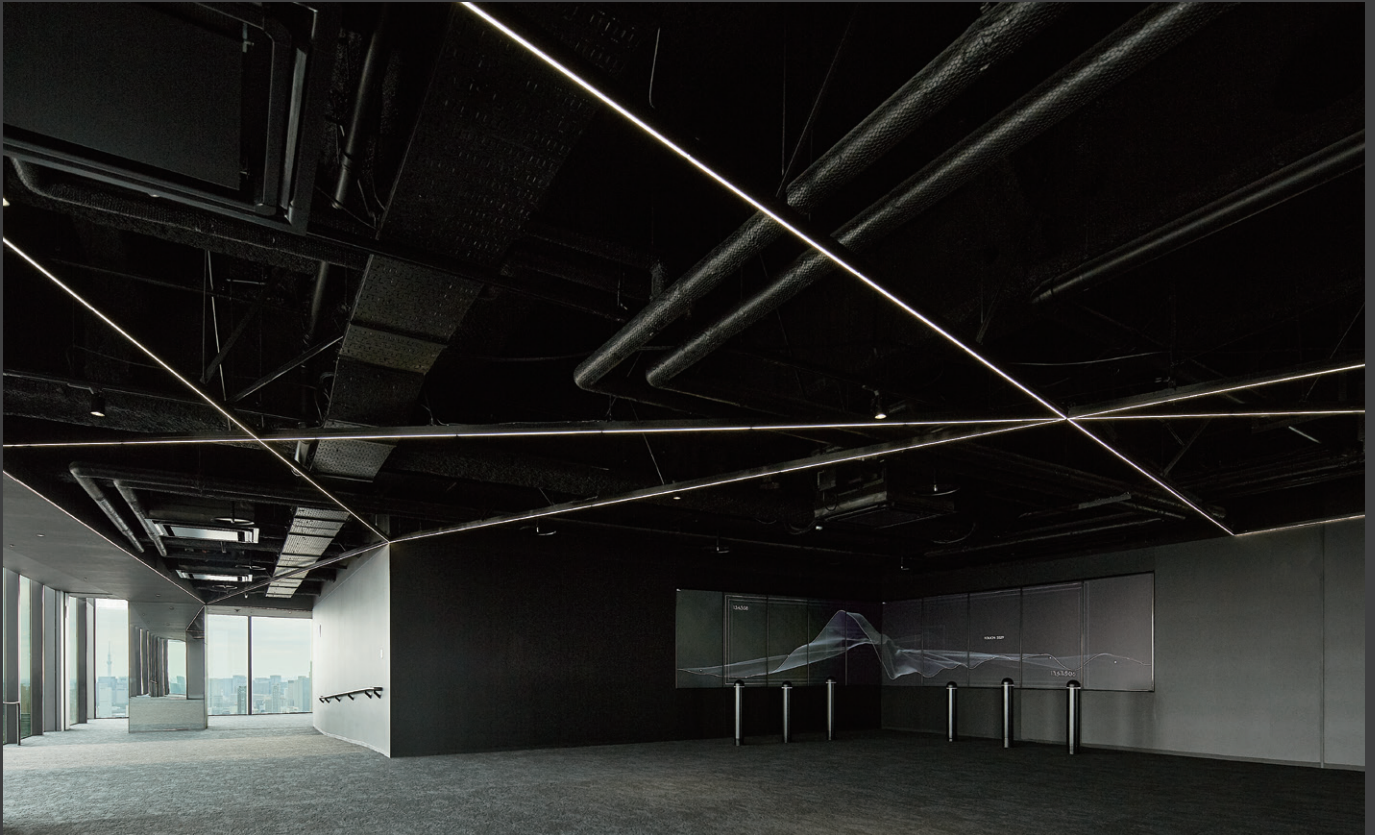
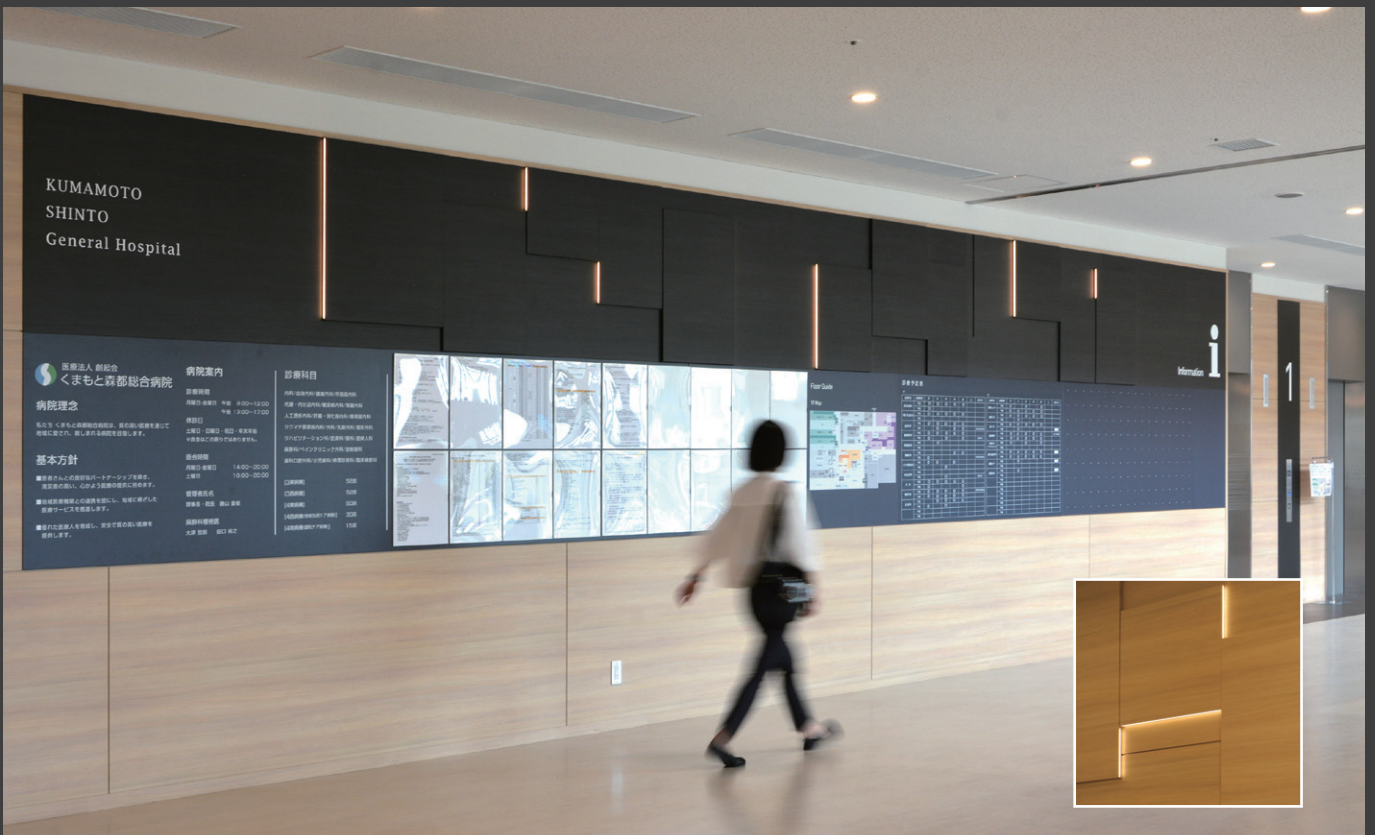


LONLY SHIN series NEW



SHIBUYA SKY
Location: Japan
Architect office: Shibuya Station Area Maintenance Plan Joint Venture
Construction: Shibuya Station East Building Project New Building Construction Joint Venture, NOMURA Co., Ltd.



KUMAMOTO SHINTO General Hospital
Location: Japan
Architect office: MATSUO Corporation
Lighting Design: MATSUO Corporation
Lighting Art Construction: MYSA Co., Ltd.
Photo: MYSA Co., Ltd.



Luci SHIN nano line

Available 4 different wattage variations
 Customisable every 100mm increment up to 1.4M
 5.5mm width homogeneous rigid light
 Ideal for recessed linear light for wall, ceiling and furniture
 Available for magnet installation

Indoor

Rigid light

LNL

SHIN nano line

Specifications

Dimensions

Cross section W 5.5 x H 22.8mm including clip
 Length 14 types of fixed length

1411	1311	1211	1111	1011	911
811	711	611	511	411	311
211	111	(mm)			

Color temperature



Ra > 90

Electrical & Output @2700K

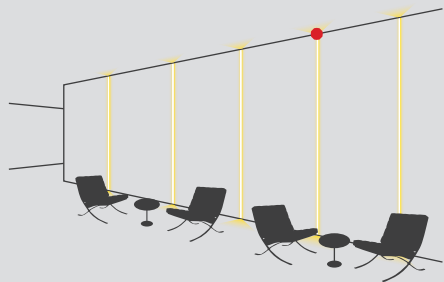
LNL			SHIN series LNL			Efficacy Improvement
W/m	lm/m	lm/W	W/m	lm/m	lm/W	
			2.1 W/m	37 lm/m	18 lm/W	
7.2 W/m	59 lm/m	8 lm/W	4.2 W/m	72 lm/m	17 lm/W	209%
			6.4 W/m	108 lm/m	17 lm/W	
			10.8 W/m	182 lm/m	17 lm/W	

Non-slip clip for vertical installation Magnet installation

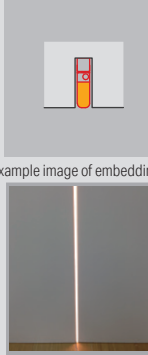


Wall-embedded vertical line lighting

The directly exposed narrow line light source adds some spice to a space.



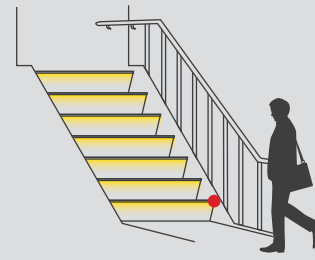
Detail



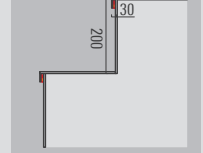
Example image of embedding

Staircase riser indirect lighting

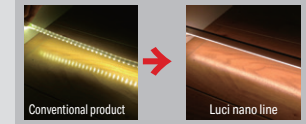
Indirect lighting on staircase risers helps recognition of stair steps, and has an effect of increasing safety while walking.



Detail

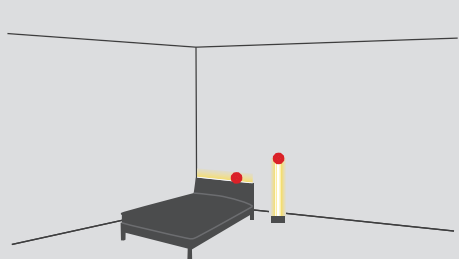


POINT Small indirect lighting source where reflecting surface is dot-less!

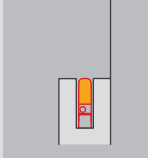


Headboard lighting

Multiple indirect lighting sources around a bed create a sense of depth and a space for relaxation.

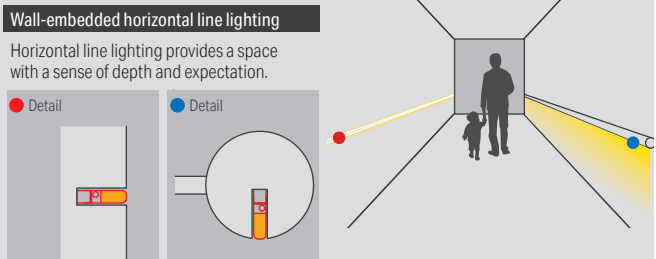


Detail



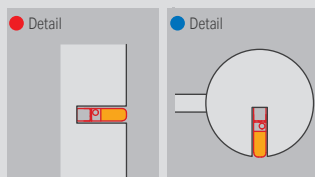
Handrail lighting

Light source embedded in a handrail shines on the wall and floor to increase visibility, resulting in prevention of falls while walking.



Wall-embedded horizontal line lighting

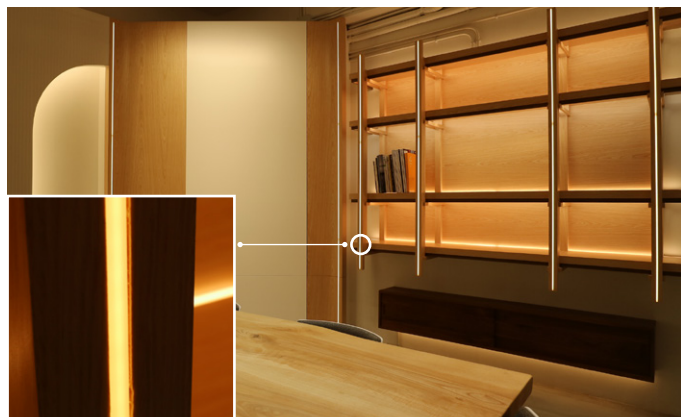
Horizontal line lighting provides a space with a sense of depth and expectation.



Project reference



Senri Chuo CIELIA TOWER / Location: Japan / Owner: Kanden Realty & Development Co., Ltd. / The Kansai Electric Power Company, Incorporated / Architect office: KAN DESIGNING OFFICE LTD. / Lighting design: WORK TECH CORPORATION / Photo: Through Kanden Realty & Development Co., Ltd.



Luci SHIN nano line

LNLy SHIN series NEW

Color management
MacAdam 3 step



- Updated with low wattage high lumen LED series
- Available 4 different wattage variations
- Customisable every 100mm increment up to 1.4M
- 5.5mm width homogeneous rigid light
- Ideal for recessed linear light for wall, ceiling and furniture
- Available for magnet installation



Model No.

LNLy - □□□□ - □ - DF - I - □

Product Name	Length	Light source color	Cover Type	Environment	Wattage
LFY7	0111 0611 1111 0211 0711 1211 0311 0811 1311 0411 0911 1411 0511 1011	D : 6500K L30 : 3000K N : 5000K L27 : 2700K W : 4000K L25 : 2500K WW : 3500K L22 : 2200K L20 : 2000K	DF : Diffuser	I : Indoor	2 : 2.1 W/m 4 : 4.2 W/m 6 : 6.4 W/m 10 : 10.8 W/m

Specification

Model No.	LNLy-(Length)-(Light source color)-DF-I-(Wattage)					
Wattage(Code)	2	4	6	10		
Wattage per meter	2.1 W	4.2 W	6.4 W	10.8 W		
Luminaire efficacy @2700K	17.2 lm/W	16.9 lm/W	16.9 lm/W	16.8 lm/W		
Luman output						
Light source color(Code)	CRI					
D	6500K Ra96	38.3 lm	75.4 lm	113.6 lm	205.7 lm	
N	5000K Ra93	40.9 lm	80.4 lm	120.9 lm	203.9 lm	
W	4000K Ra97	40.2 lm	79 lm	118.8 lm	200.2 lm	
WW	3500K Ra97	39.8 lm	78.3 lm	117.7 lm	198.4 lm	
L30	3000K Ra95	38.7 lm	76.1 lm	114.5 lm	193 lm	
L27	2700K Ra94	36.5 lm	71.8 lm	108 lm	182 lm	
L25	2500K Ra94	27 lm	53.1 lm	79.9 lm	134.7 lm	
L22	2200K Ra93	25.2 lm	49.5 lm	74.5 lm	125.6 lm	
L20	2000K Ra91	23 lm	45.2 lm	68 lm	114.7 lm	
Length(Code)	Fitting length	Weight	Wattage			
0111	111 mm	25 g	0.2 W	0.5 W	0.7 W	1.2 W
0211	211 mm	40 g	0.4 W	0.9 W	1.3 W	2.3 W
0311	311 mm	55 g	0.7 W	1.3 W	2.0 W	3.3 W
0411	411 mm	70 g	0.9 W	1.7 W	2.6 W	4.4 W
0511	511 mm	85 g	1.1 W	2.1 W	3.2 W	5.5 W
0611	611 mm	100 g	1.3 W	2.6 W	3.9 W	6.5 W
0711	711 mm	115 g	1.5 W	3.0 W	4.5 W	7.6 W
0811	811 mm	130 g	1.7 W	3.4 W	5.1 W	8.7 W
0911	911 mm	145 g	1.9 W	3.8 W	5.8 W	9.8 W
1011	1011 mm	160 g	2.1 W	4.2 W	6.4 W	10.8 W
1111	1111 mm	175 g	2.3 W	4.7 W	7.0 W	11.9 W
1211	1211 mm	190 g	2.5 W	5.1 W	7.7 W	13.0 W
1311	1311 mm	205 g	2.8 W	5.5 W	8.3 W	14.1 W
1411	1411 mm	220 g	3.0 W	5.9 W	8.9 W	15.1 W

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material	Polycarbonate, Aluminum
Attachments	① Mounting clip 2 pcs for standard mounting clip 2 pcs for end mounting clip
Accessories	① Mounting clip ② Magnet
Certification	CE, PBT FREE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM, Casambi)

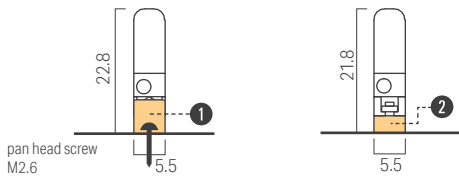
Max. connectable length per PSU

Length of light fixture (70% loading factor) *: split into multiple circuits				PSU
2.1 W/m	4.2 W/m	6.4 W/m	10.8 W/m	
~16.7 m*	~8.3 m*	~5.5 m*	~3.2 m	50W
~33.3 m*	~16.7 m*	~10.9 m*	~6.5 m*	100W
~50 m*	~25 m*	~16.4 m*	~9.7 m*	150W

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.

Cross sectional view with accessories

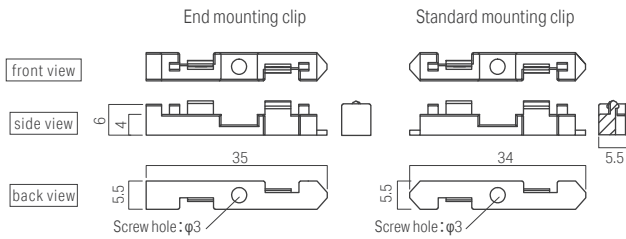


Accessories

1 Mounting clip A for nano line **Attachments**



Model No : LNL-PTA
 Attached with light fixture
 2 pcs for standard and 2 pcs of end mounting clip for less than 1M fixture
 For extra order
 4 pcs of standard and 4 pcs of end mouting clip
 Fixture more than 1M need 2 pcs of end and 4 pcs of standard mouting clips

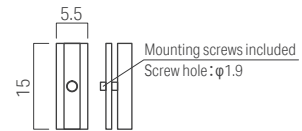


2 Magnet for nano line

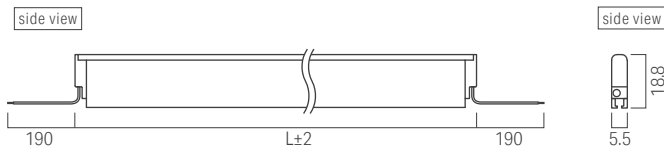


Model No : LNL-MG
 10 pcs / bag
 Recommended number of magnets
 2pcs 0111-0311
 3pcs 0411-0511
 4pcs 0611-1011
 5pcs 1111-1411

Used for installing light fixture on metal plate.
 Metal plate is required to supply by installer.
 The magnets need to be fixed by installer.



External dimensions



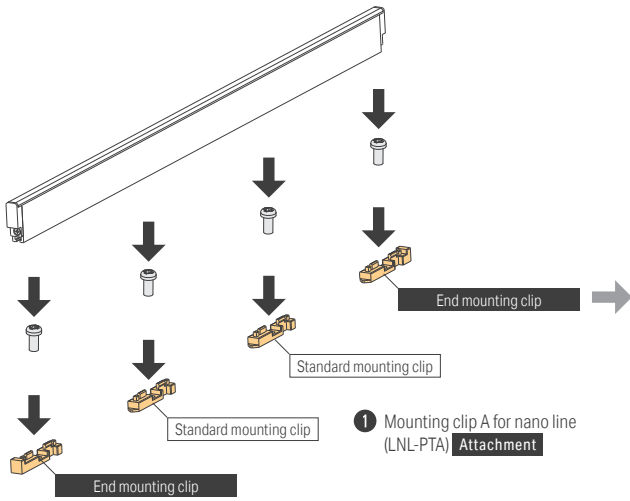
Recommended No. of clips & magnets

Length	0111-0311	0411-0611	0711-1011	1111-1411	
Attachments					
1 Standard Mounting clip	2pcs	2pcs	2pcs	4pcs	Unit of order
1 End Mounting clip	2pcs	2pcs	2pcs	2pcs	
Recommended No. of					
1 Standard Mounting clip	-	1pc	2pcs	3pcs	4pcs
1 End Mounting clip	2pcs	2pcs	2pcs	2pcs	4pcs
2 Magnet	2pcs	3pcs	4pcs	5pcs	10pcs

Luci SHIN nano line

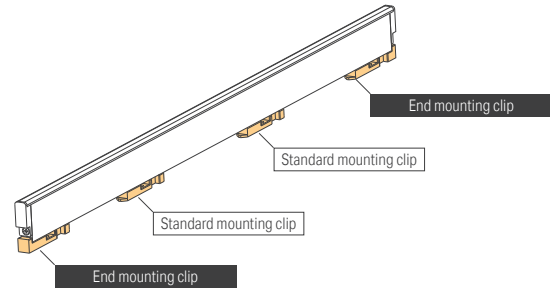
Installing the product

For horizontal installation



⚠ Cautions
Beware that there are two different types of fitting clips and one is for the main body and the other is for the end section.

⚠ Cautions
Ensure that the fitting clips for the end section are used.



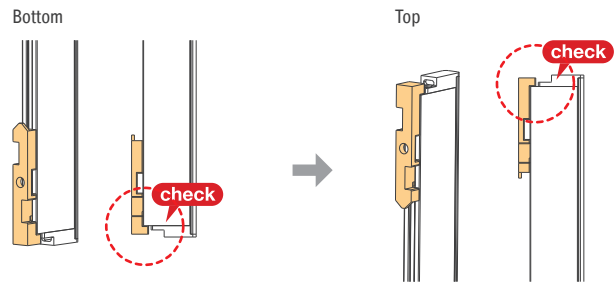
The mounting clip should be preset on the installation spot with screws supplied by installer. (Pan head screws M2.6 recommended)

Attach light fixture onto the mounting clips until click sound. Ensure that two mounting clips for the end section are installed at the end of light fixture.

For vertical installation

For vertical installation, make sure the top and bottom of light fixture hook on the edge of the mounting clips in accordance with the diagram.
Caution: If the weight of the light fixture is not supported by the edge of the mounting clips at the bottom, it may slide down and fall.

1 Mounting clip A for nano line (LNL-PTA) Attachment

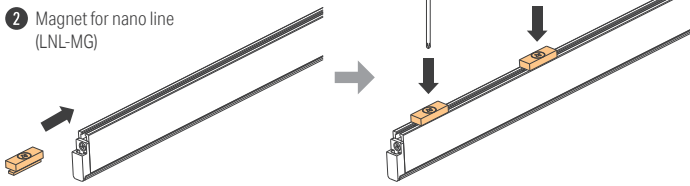


Recommended No. of clips

Length	0111-0311	0361-0611	0711-1011	1061-1411	
Attachment					
1 Standard Mounting clip	2pcs	2pcs	2pcs	4pcs	Unit of order
1 End Mounting clip	2pcs	2pcs	2pcs	2pcs	
Recommended No. of					
1 Standard Mounting clip	-	1pc	2pcs	3pcs	4pcs
1 End Mounting clip	2pcs	2pcs	2pcs	2pcs	4pcs

Magnet installation

2 Magnet for nano line (LNL-MG)



Loosen the screw of the magnet and slide it into the groove at the back of light fixture.

Tighten the screw of the magnet by using small screwdriver at decided position.

⚠ Cautions

Small screwdriver is needed to tighten the screws of the magnets.

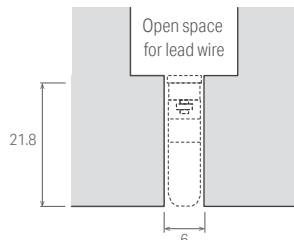
⚠ Cautions

Do not install light fixture with magnets downwardly as it might fall.

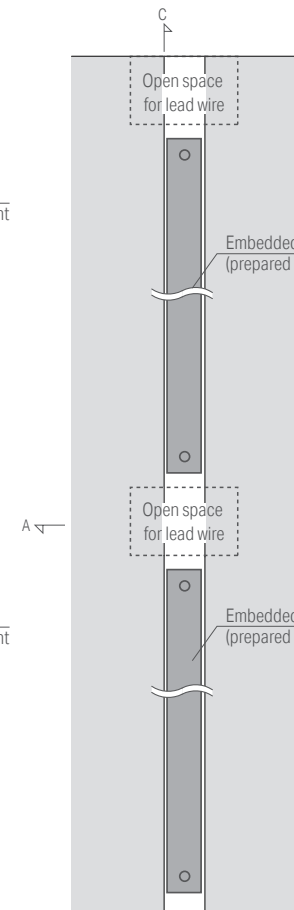
Recommended No. of magnets

Length	0111-0311	0361-0611	0711-1011	1061-1411	Unit of order
2 Magnet	2pcs	3pcs	4pcs	5pcs	10pcs

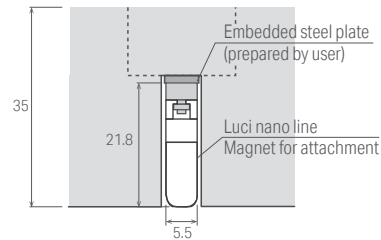
Cross-sectional view A (Without light appliance)



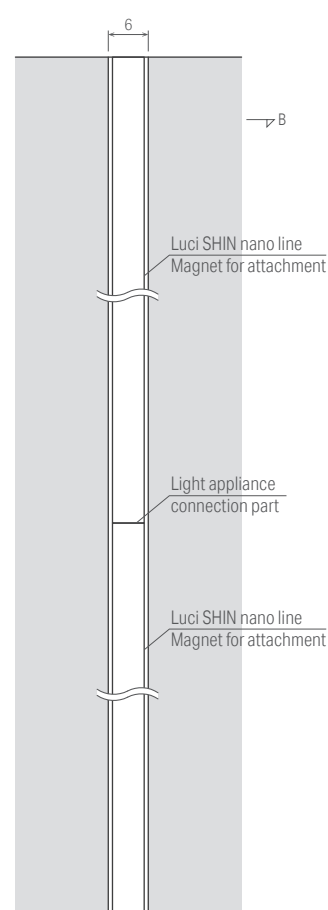
Elevation view of opening



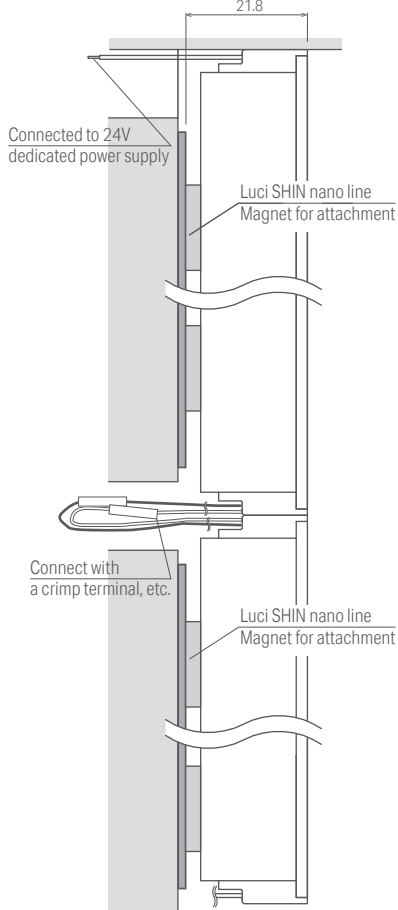
Cross-sectional view B (With light appliance)



Elevation view after installation



Cross-sectional view C



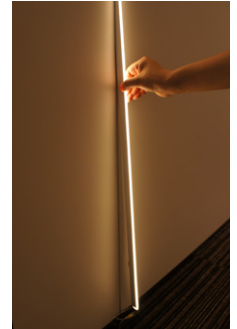
1/ Image of the cross section



2/ Image of the cross section



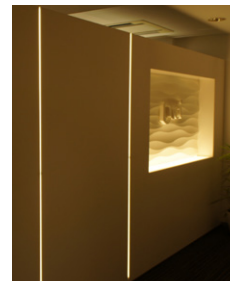
3/ Installation of the light appliance



4/ Opening for lead wire

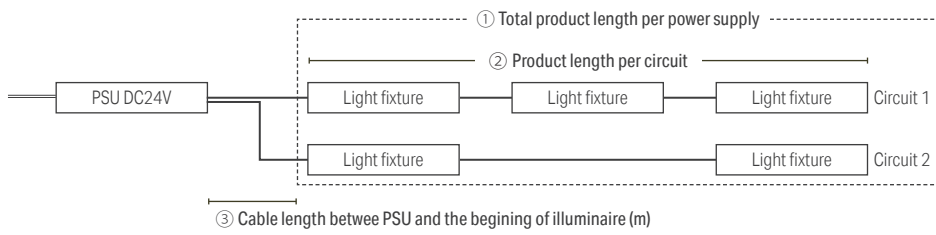


5/ After installation



Luci SHIN nano line

System configuration diagram



- ① Total product length per PSU depends on capacity of the PSU. 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 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) *: split into multiple circuits				PSU
2.1 W/m	4.2 W/m	6.4 W/m	10.8 W/m	
~16.7 m*	~8.3 m*	~5.5 m*	~3.2 m	50W
~33.3 m*	~16.7 m*	~10.9 m*	~6.5 m*	100W
~50 m*	~25 m*	~16.4 m*	~9.7 m*	150W

Model No.	Wattage	Wire gauge			
		② Max length per circuit	③ Max cable length between PSU and the top of illuminaire at ② Max length per circuit	0.3 sq	0.5 sq
LNLy-**-DF-I-2	2.1 W/m	5 m	15.5 m	25 m	39 m
LNLy-**-DF-I-4	4.2 W/m	5 m	7.8 m	12.5 m	20 m
LNLy-**-DF-I-6	6.4 W/m	5 m	5.1 m	8.2 m	13 m
LNLy-**-DF-I-10	10.8 W/m	5 m	3 m	4.8 m	7.5 m

Illuminance data



NLNY
Luci SHIN nano line

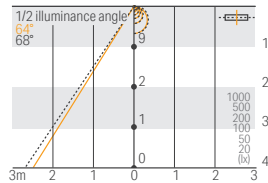
Color temperature

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

Direct horizontal surface light intensity distribution chart - 2W

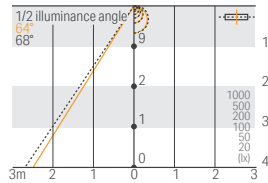
NLNY-1011-D-DF-I-2

Light source color 6500K
Brightness 9 cd
Luminous flux 41 lm
Color rendering index Ra 96



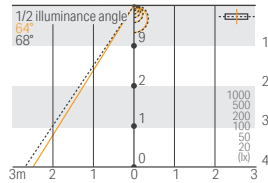
NLNY-1011-N-DF-I-2

Light source color 5000K
Brightness 9 cd
Luminous flux 41 lm
Color rendering index Ra 93



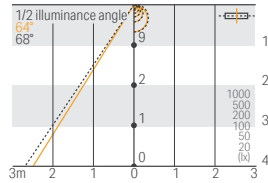
NLNY-1011-W-DF-I-2

Light source color 4000K
Brightness 9 cd
Luminous flux 40 lm
Color rendering index Ra 97



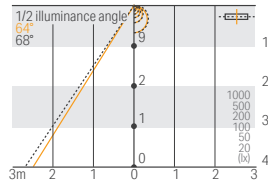
NLNY-1011-WW-DF-I-2

Light source color 3500K
Brightness 9 cd
Luminous flux 40 lm
Color rendering index Ra 97



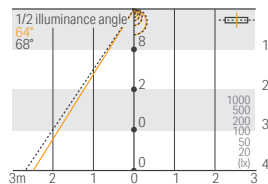
NLNY-1011-L30-DF-I-2

Light source color 3000K
Brightness 9 cd
Luminous flux 39 lm
Color rendering index Ra 95



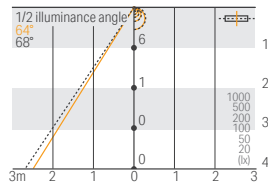
NLNY-1011-L27-DF-I-2

Light source color 2700K
Brightness 8 cd
Luminous flux 37 lm
Color rendering index Ra 94



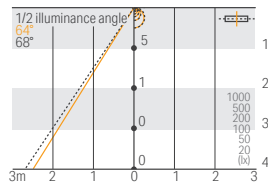
NLNY-1011-L25-DF-I-2

Light source color 2500K
Brightness 6 cd
Luminous flux 27 lm
Color rendering index Ra 94



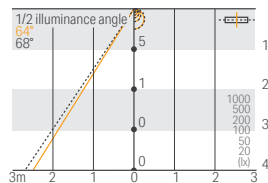
NLNY-1011-L22-DF-I-2

Light source color 2200K
Brightness 5 cd
Luminous flux 25 lm
Color rendering index Ra 93



NLNY-1011-L20-DF-I-2

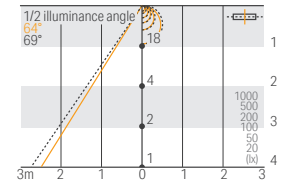
Light source color 2000K
Brightness 5 cd
Luminous flux 23 lm
Color rendering index Ra 91



Direct horizontal surface light intensity distribution chart - 4W

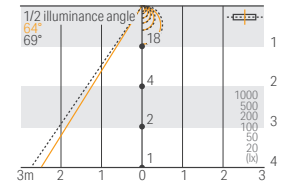
NLNY-1011-D-DF-I-4

Light source color 6500K
Brightness 18 cd
Luminous flux 81 lm
Color rendering index Ra 96



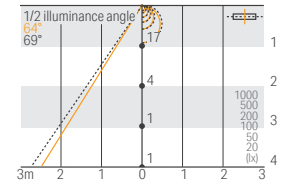
NLNY-1011-N-DF-I-4

Light source color 5000K
Brightness 18 cd
Luminous flux 80 lm
Color rendering index Ra 93



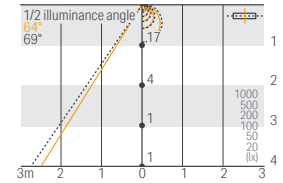
NLNY-1011-W-DF-I-4

Light source color 4000K
Brightness 17 cd
Luminous flux 79 lm
Color rendering index Ra 97



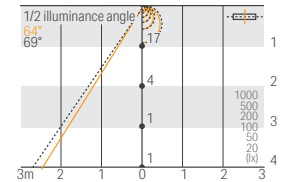
NLNY-1011-WW-DF-I-4

Light source color 3500K
Brightness 17 cd
Luminous flux 78 lm
Color rendering index Ra 97



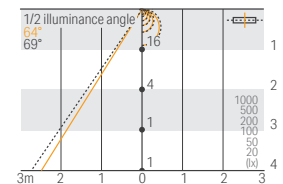
NLNY-1011-L30-DF-I-4

Light source color 3000K
Brightness 17 cd
Luminous flux 76 lm
Color rendering index Ra 95



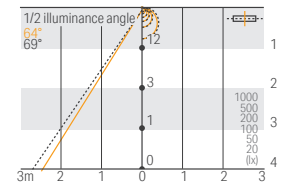
NLNY-1011-L27-DF-I-4

Light source color 2700K
Brightness 16 cd
Luminous flux 72 lm
Color rendering index Ra 94



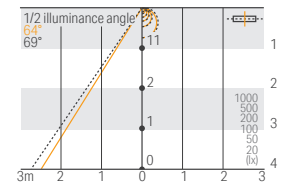
NLNY-1011-L25-DF-I-4

Light source color 2500K
Brightness 12 cd
Luminous flux 53 lm
Color rendering index Ra 94



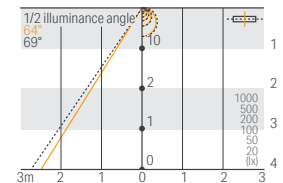
NLNY-1011-L22-DF-I-4

Light source color 2200K
Brightness 11 cd
Luminous flux 50 lm
Color rendering index Ra 93



NLNY-1011-L20-DF-I-4

Light source color 2000K
Brightness 10 cd
Luminous flux 45 lm
Color rendering index Ra 91



Illuminance data



NLNY Luci SHIN nano line

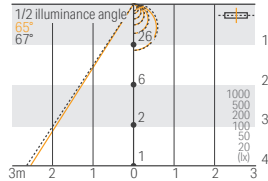
Color temperature

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

Direct horizontal surface light intensity distribution chart - 6W

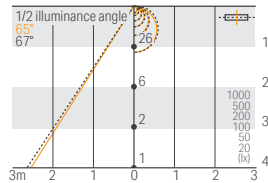
NLNY-1011-D-DF-I-6

Light source color 6500K
Brightness 26 cd
Luminous flux 122 lm
Color rendering index Ra 96



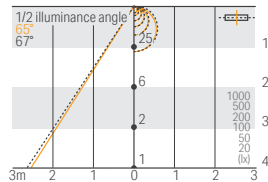
NLNY-1011-N-DF-I-6

Light source color 5000K
Brightness 26 cd
Luminous flux 121 lm
Color rendering index Ra 93



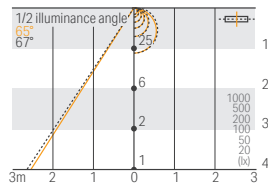
NLNY-1011-W-DF-I-6

Light source color 4000K
Brightness 25 cd
Luminous flux 119 lm
Color rendering index Ra 97



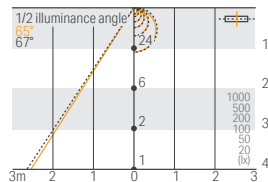
NLNY-1011-WW-DF-I-6

Light source color 3500K
Brightness 25 cd
Luminous flux 118 lm
Color rendering index Ra 97



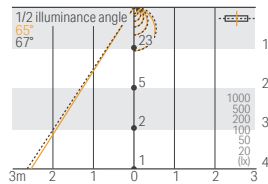
NLNY-1011-L30-DF-I-6

Light source color 3000K
Brightness 24 cd
Luminous flux 114 lm
Color rendering index Ra 95



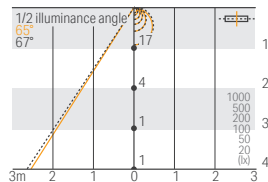
NLNY-1011-L27-DF-I-6

Light source color 2700K
Brightness 23 cd
Luminous flux 108 lm
Color rendering index Ra 94



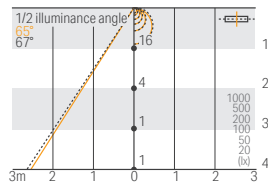
NLNY-1011-L25-DF-I-6

Light source color 2500K
Brightness 17 cd
Luminous flux 80 lm
Color rendering index Ra 94



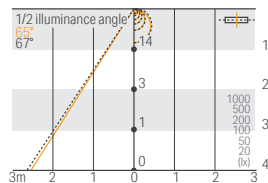
NLNY-1011-L22-DF-I-6

Light source color 2200K
Brightness 16 cd
Luminous flux 75 lm
Color rendering index Ra 93



NLNY-1011-L20-DF-I-6

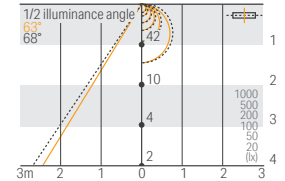
Light source color 2000K
Brightness 14 cd
Luminous flux 68 lm
Color rendering index Ra 91



Direct horizontal surface light intensity distribution chart - 10W

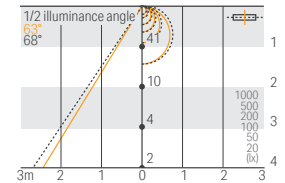
NLNY-1011-D-DF-I-10

Light source color 6500K
Brightness 42 cd
Luminous flux 206 lm
Color rendering index Ra 96



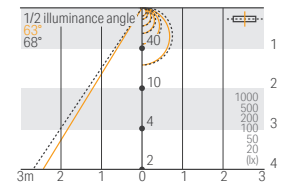
NLNY-1011-N-DF-I-10

Light source color 5000K
Brightness 41 cd
Luminous flux 204 lm
Color rendering index Ra 93



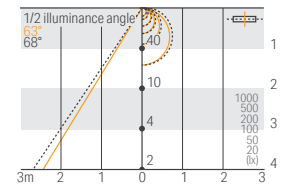
NLNY-1011-W-DF-I-10

Light source color 4000K
Brightness 40 cd
Luminous flux 200 lm
Color rendering index Ra 97



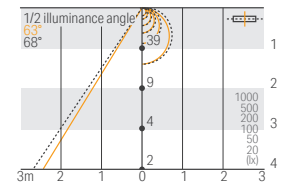
NLNY-1011-WW-DF-I-10

Light source color 3500K
Brightness 40 cd
Luminous flux 198 lm
Color rendering index Ra 97



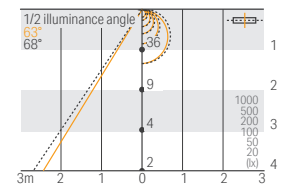
NLNY-1011-L30-DF-I-10

Light source color 3000K
Brightness 39 cd
Luminous flux 193 lm
Color rendering index Ra 95



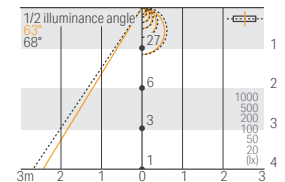
NLNY-1011-L27-DF-I-10

Light source color 2700K
Brightness 36 cd
Luminous flux 182 lm
Color rendering index Ra 94



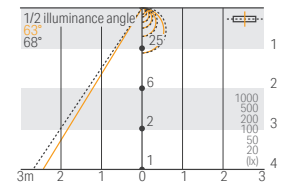
NLNY-1011-L25-DF-I-10

Light source color 2500K
Brightness 27 cd
Luminous flux 135 lm
Color rendering index Ra 94



NLNY-1011-L22-DF-I-10

Light source color 2200K
Brightness 25 cd
Luminous flux 126 lm
Color rendering index Ra 93



NLNY-1011-L20-DF-I-10

Light source color 2000K
Brightness 23 cd
Luminous flux 115 lm
Color rendering index Ra 91

