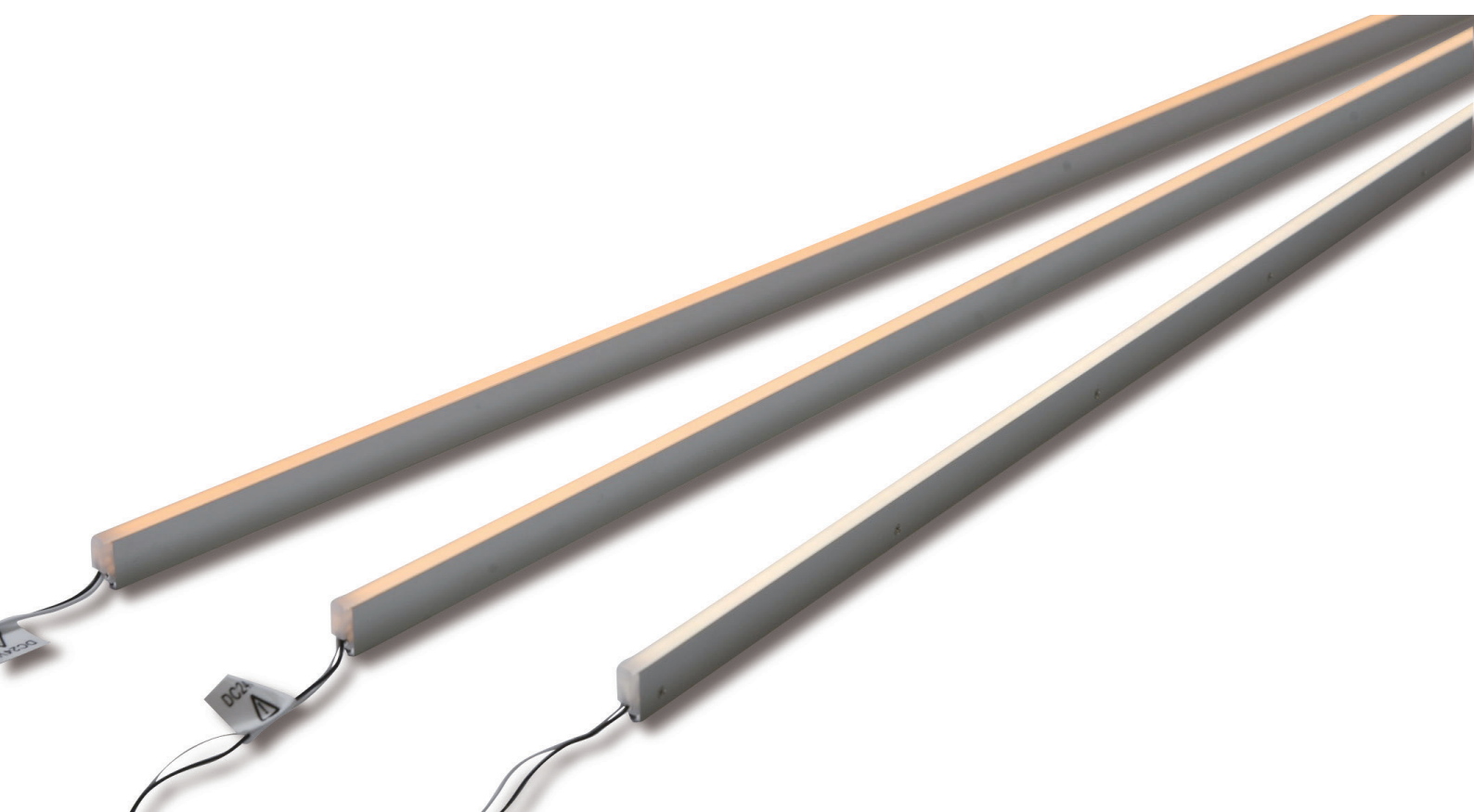


Indoor
Rigid light

LNL Luci nano line



Luci nano line

LNL

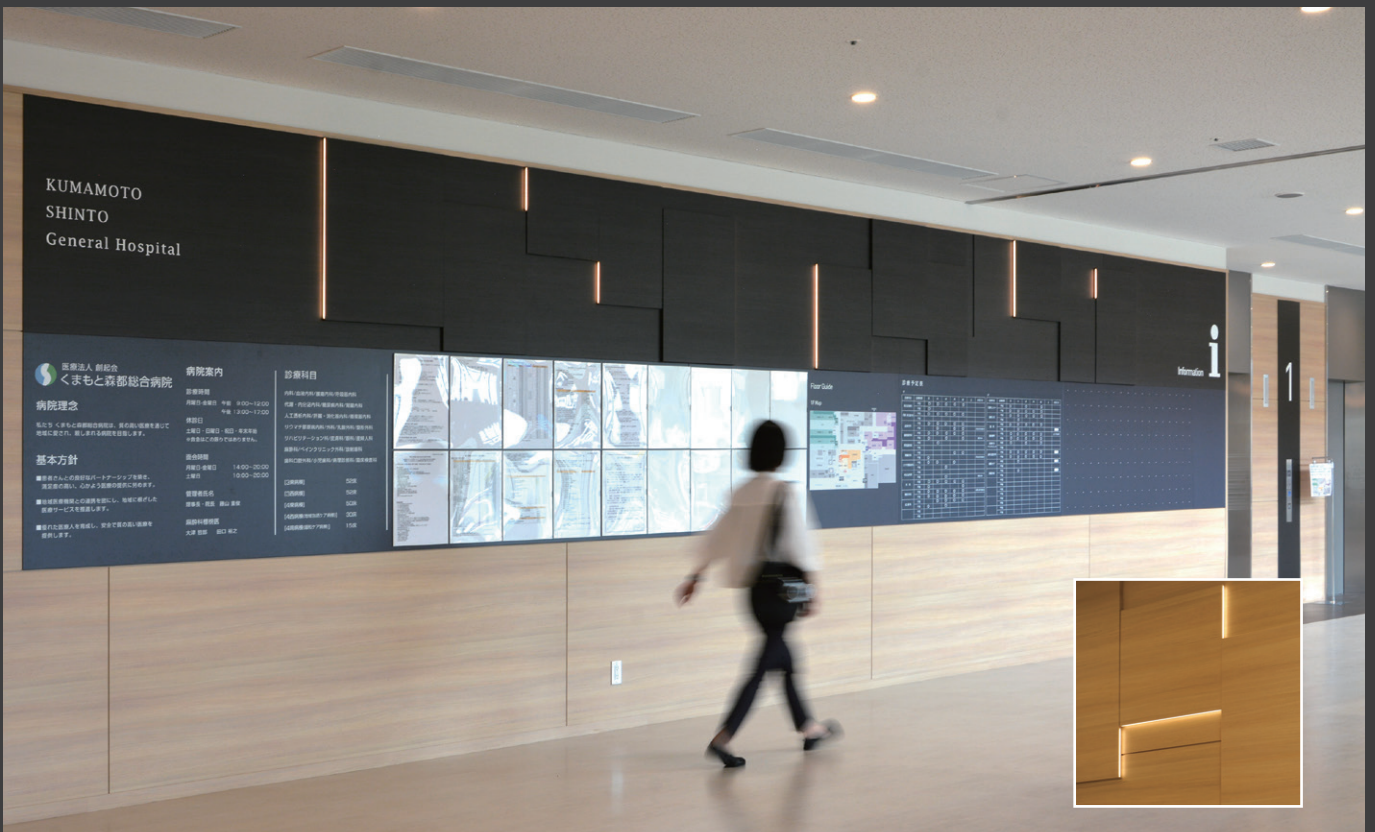


SHIBUYA SKY

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 nano line

Only 5.5mm light-emitting surface for recessed lighting
Smart form allows a unique line lighting to be installed in joinery, handrails, back of mirror etc.

Specifications

Dimensions

Cross section W 5.5 x H 22.8mm including clip
Length 10 types of fixed length

984	886
789	692
498	400
303	206
109	

Electrical & Output

Power Consumption (W/m)	7.3
Luminous flux @ 3000K (lm/m)	66

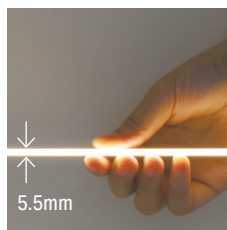
Color temperature

5300K	4000K	3500K	3000K	2700K	2400K
-------	-------	-------	-------	-------	-------

Ra 90

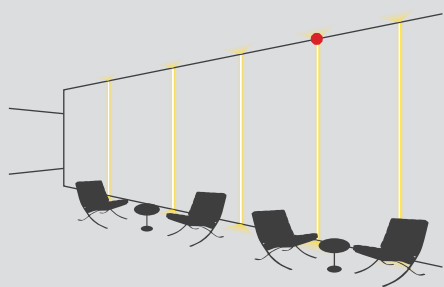
Non-slip clip for vertical installation

Magnet installation

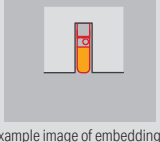


Wall-embedded vertical line lighting

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



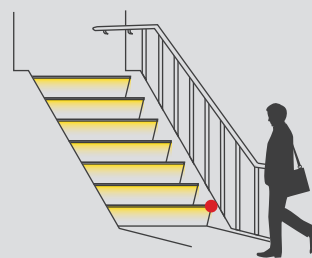
Detail



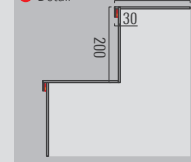
Example image of embedding

Staircase riser indirect lighting

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

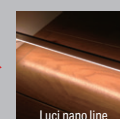
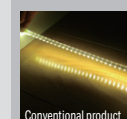


Detail



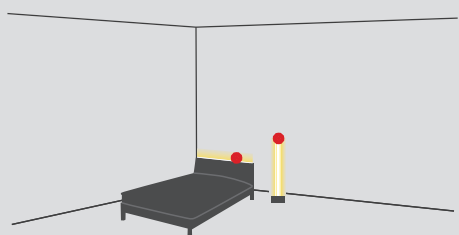
POINT

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

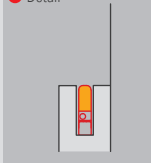


Headboard lighting

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



Detail

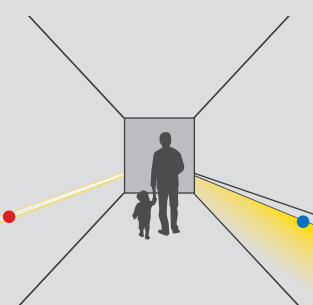
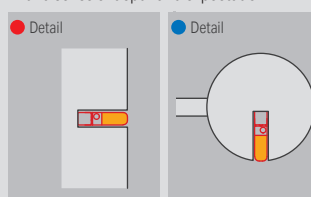


Handrail lighting

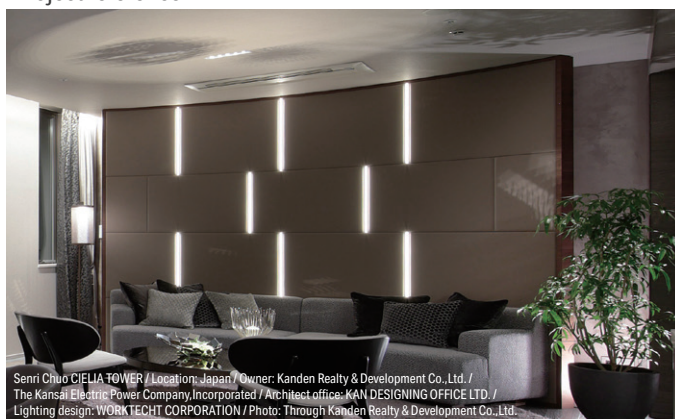
Light source embedded in a handrail shines on the wall and floor to increase visibility, resulting in prevention of falls while walking.

Wall-embedded horizontal line lighting

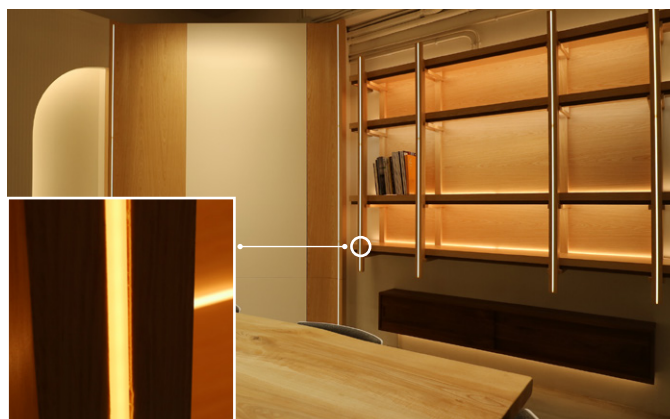
Horizontal line lighting provides a space with a sense of depth and expectation.



Project reference



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

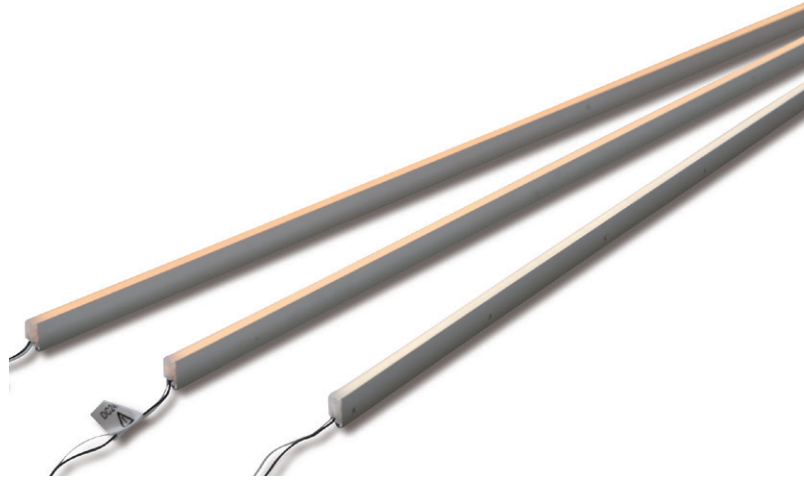


Color management
ANSI BIN



3 years
warranty

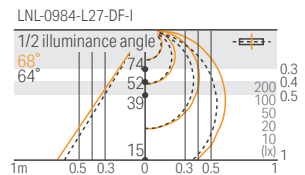
- 5.5mm width homogeneous rigid light with 10 length variations
- Ideal for recessed linear light for wall, ceiling and furniture
- Available for magnet installation



Model No.

LNL	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	DF	-	I
Product Name	Length	Light source color				Cover Type		Environment		
LNL	0109 0595 0206 0692 0303 0789 0400 0886 0498 0984	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K				DF : Diffuser		I : Indoor		

Light Intensity Refer to P.161



Specification

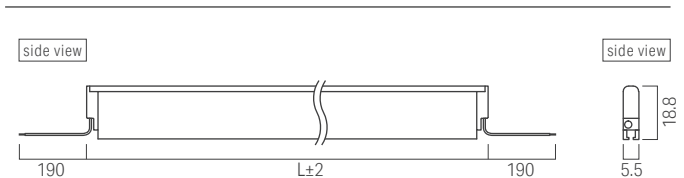
Length	0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
Model No.	LNL-0109-[]-DF-I	LNL-0206-[]-DF-I	LNL-0303-[]-DF-I	LNL-0400-[]-DF-I	LNL-0498-[]-DF-I	LNL-0595-[]-DF-I	LNL-0692-[]-DF-I	LNL-0789-[]-DF-I	LNL-0886-[]-DF-I	LNL-0984-[]-DF-I
Power consumption	0.7W	1.4W	2.2W	2.9W	3.6W	4.3W	5.0W	5.8W	6.5W	7.2W
Fitting length(L)	109mm	206mm	303mm	400mm	498mm	595mm	692mm	789mm	886mm	984mm
Weight	20g	37g	52g	68g	83g	99g	114g	130g	145g	160g
Luminaire efficacy(2700K)	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W
Light source color ○ = Device inventory * = Equivalent										
D 7100K	-	-	-	-	-	-	-	-	-	-
N 5300K	○	○	○	○	○	○	○	○	○	○
W 4200K Ra92	○ 7lm*	○ 13lm*	○ 20lm*	○ 26lm*	○ 33lm*	○ 40lm*	○ 46lm*	○ 53lm*	○ 59lm*	○ 66lm
WW 3500K Ra91	○ 6lm*	○ 12lm*	○ 17lm*	○ 23lm*	○ 29lm*	○ 35lm*	○ 41lm*	○ 46lm*	○ 52lm*	○ 58lm
L30 3000K Ra87	○ 7lm*	○ 13lm*	○ 20lm*	○ 26lm*	○ 33lm*	○ 39lm*	○ 46lm*	○ 52lm*	○ 59lm*	○ 65lm
L27 2700K Ra87	○ 6lm*	○ 12lm*	○ 18lm*	○ 24lm*	○ 30lm*	○ 35lm*	○ 41lm*	○ 47lm*	○ 53lm*	○ 59lm
L24 2400K Ra85	○ 5lm*	○ 10lm*	○ 16lm*	○ 21lm*	○ 26lm*	○ 31lm*	○ 36lm*	○ 42lm*	○ 47lm*	○ 52lm
L19 1900K	-	-	-	-	-	-	-	-	-	-

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

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material (body)	Polycarbonate, Aluminum
Attachments	① Mounting clip 2 pcs for the body installation 2 pcs for the end part installation
Option parts	① Mounting clip ② Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

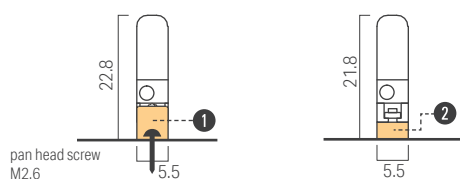
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~ 5 m	50W power supply
~ 10 m*	100W power supply
~ 14 m*	150W power supply

Cross sectional view when installing optional items



Option parts

1 Mounting clip A for nano line Attachment

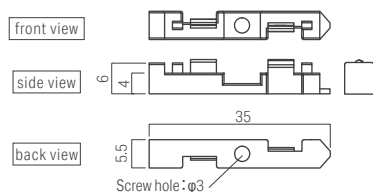
Model No : LNL-PTA

Attached with LED fixture
2 pcs for the end part and 2 pcs for body part

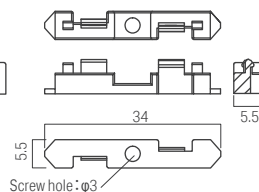
For extra order
4 pcs for the end part and 4 pcs for body part per bag



The end part installation



The body installation



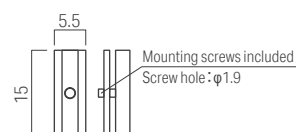
2 Magnet for nano line

Model No : LNL-MG

10 pcs / bag

Recommended number of magnets
2 pcs for 109 mm to 303 mm
3 pcs for 400 mm to 595 mm
4 pcs for 692 mm to 984 mm

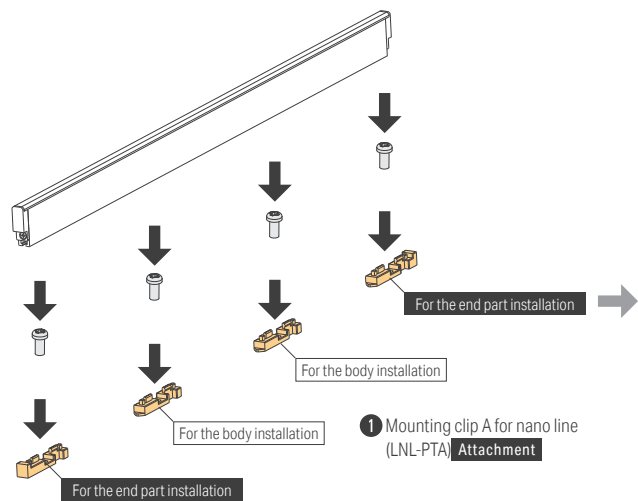
Used for installing LED fixture on metal plate.
Metal plate is required to supply by installer.
The magnets need to be fixed by installer.



Luci nano line

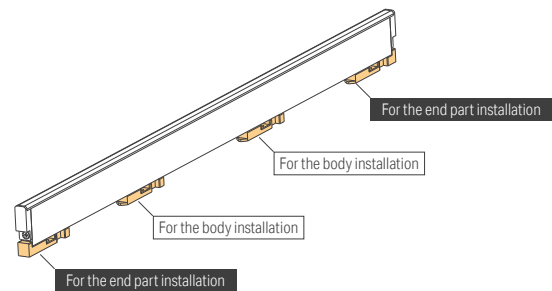
Installing the product

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

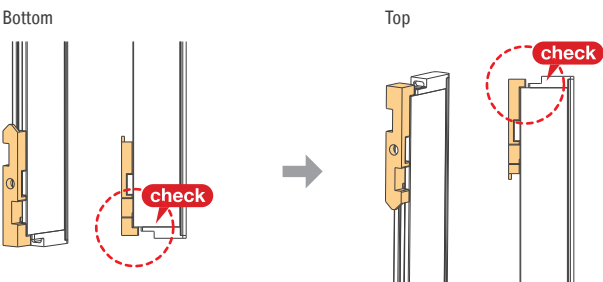
Mounting Clip A Recommended number of clips for the installation

Mounting Clip A	Length	0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
For the end part installation		2	2	2	2	2	2	2	2	2	2
For the body installation		0	0	0	1	1	1	2	2	2	2

For vertical installation

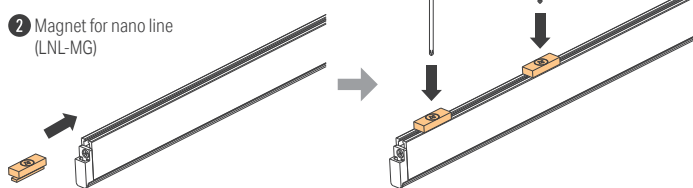
For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the mounting clips in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the mounting clips at the bottom, it may slide down and fall.

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



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 LED fixture.

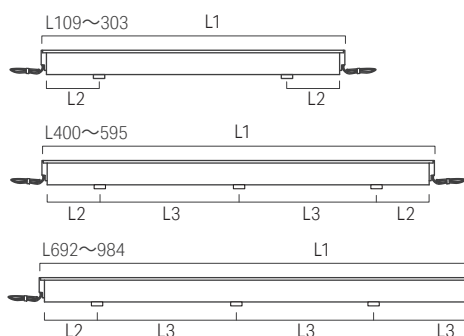
Tighten the screw of the magnet by using small screwdriver at decided position.

⚠ Cautions

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

⚠ Cautions

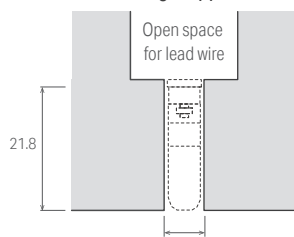
Do not install LED fixture with magnets downwardly as it might fall.



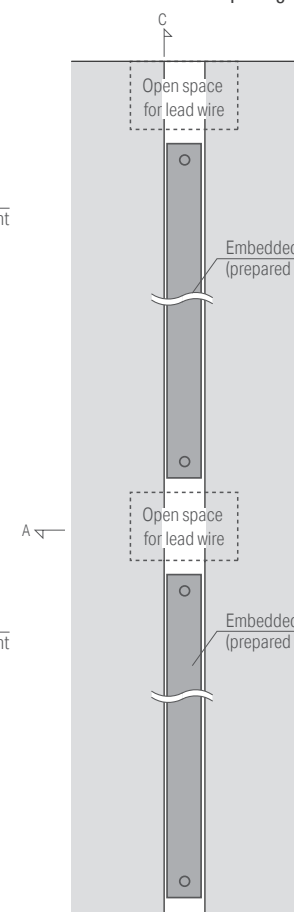
Recommended number of magnets for the installation

	0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
Number of magnets	2	2	2	3	3	3	4	4	4	4
Fitting length(L1)	109	206	303	400	498	595	692	789	886	984
Distance from the end of the LED fixture(L2)	25	25	25	25	25	25	25	25	25	25
Distance between magnets(L3)	-	-	-	171	220	269	211	244	276	309

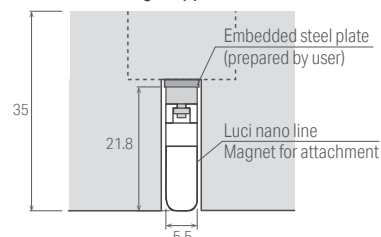
Cross-sectional view A (Without light appliance)



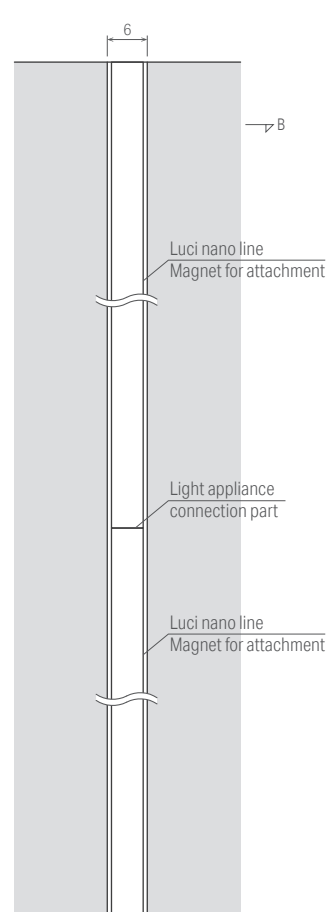
Elevation view of opening



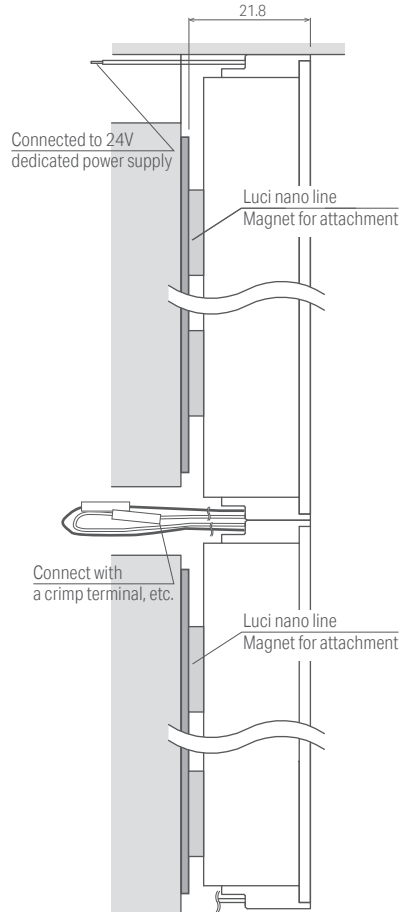
Cross-sectional view B (With light appliance)



Elevation view after installation



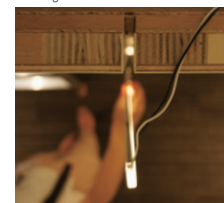
Cross-sectional view C



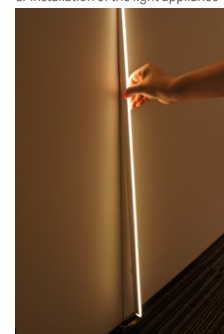
1/ Image of the cross section



2/ Image of the cross section



3/ Installation of the light appliance



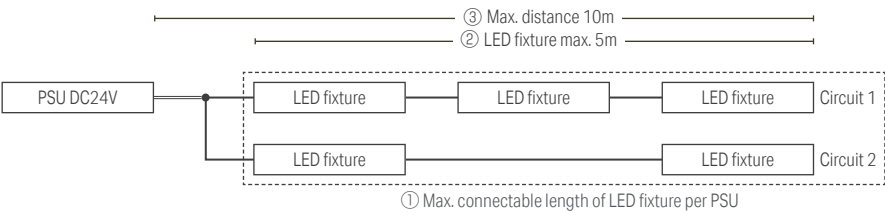
4/ Opening for lead wire



5/ After installation



System configuration diagram



- ① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)
- ② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.
- ③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data



LNL Luci nano line

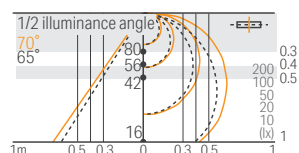
Color temperature

4200K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

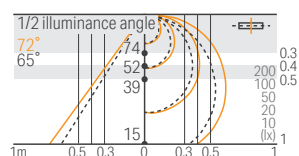
LNL-0984-W-DF-I

Light source color 4200K
Brightness 16 cd
Luminous flux 66 lm
Color rendering index Ra 92



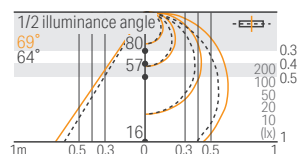
LNL-0984-WW-DF-I

Light source color 3500K
Brightness 15 cd
Luminous flux 58 lm
Color rendering index Ra 91



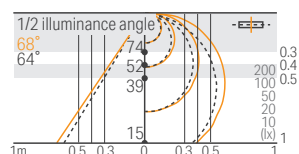
LNL-0984-L30-DF-I

Light source color 3000K
Brightness 16 cd
Luminous flux 65 lm
Color rendering index Ra 87



LNL-0984-L27-DF-I

Light source color 2700K
Brightness 15 cd
Luminous flux 59 lm
Color rendering index Ra 87



LNL-0984-L24-DF-I

Light source color 2400K
Brightness 13 cd
Luminous flux 52 lm
Color rendering index Ra 85

