

Indoor
Rigid light

LTH
Luci THOF®

RENEWAL





Medical Corporation Showa-kai Hokkaido Gastroenterology Hospital
Location: JAPAN
Lighting Design: DESIGN Lab. +Ca



KOHANAN SHOJI CO., LTD
Location: Japan

Tunable white with intense brightness
for powerful cove lighting as well as ambient lighting,
3 side emission simple design for clean minimalist applications
Free choice of two different CCTs efficiently emphasizing design intent,
ambiance and circadian lighting

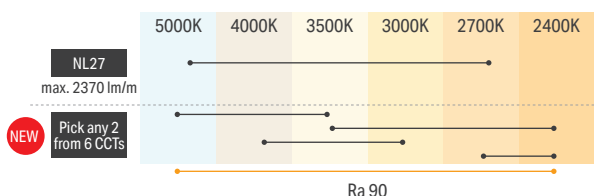
Specifications

Dimensions

Cross section W 24 x H 39 mm
Standard length 3 types of fixed length
Custom order 7 types of fixed length with MOQ

1003	907			
806	705	604		
503	407	306	205	103

Color temperature

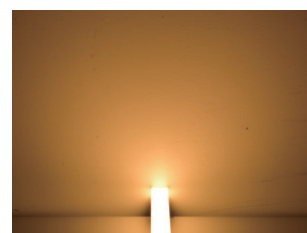
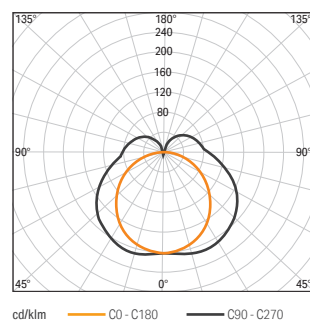


Electrical & Output

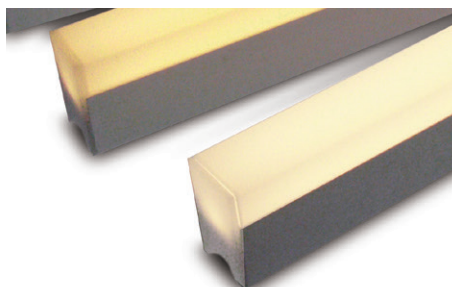
@NL27 (N: 5000K, L27: 2700K)

	N 100%	N 100% / L27 100%	L27 100%
Color temperature			
Power Consumption (W/m)	15.6	31.2	15.6
Luminous flux (lm/m)	1213	2370	1096

Light distribution



Features



Squared section with uniform and homogenous
3 side emitted surface



Seamless lighting at the joint
Neither clips nor cable can be seen

Project reference

Commercial building

Recommended CCT range
N:5000K - L27: 2700K



AMU PLAZA OITA
Location: Japan
Architect office: NIHON SEKKEI, INC.
Construction: OBAYASHI CORPORATION



Mirror Light

Recommended CCT range
N:5000K - L27: 2700K

Enable to light face and avoid shadows when
applying makeup. Skin and clothing can be
checked on how they look during the day, in
the evening, or in a dark room.



IINO HIROO STUDIO
Location: Japan
Design supervisor/Owner: IINO MEDIAPRO CO., LTD.
Architect office: YAMADA SHOMEI LIGHTING CO., LTD.
Construction: M'S CO., LTD.



Color management
MacAdam 3 step



3 years
warranty

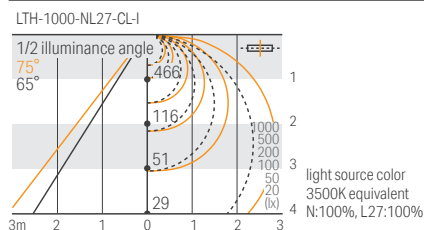
- Dynamic white by 2ch control signals
- Seamless, 3 surface-emitting light with eliminated dots
- Available for customising colour combination with MOQ



Model No.

LTH		-			-			-	DF	-	I
Product Name		-	Length		-	Light source color		-	Cover Type	-	Environment
LTH		-	0100 0500 1000		-	Higher CCT Lower CCT Select 2 CCTs N : 5000K W : 4200K WW : 3500K L30 : 3000K L27 : 2700K L24 : 2400K		-	DF : Diffuser	-	I : Indoors

Light Intensity Refer to P.123



Specification

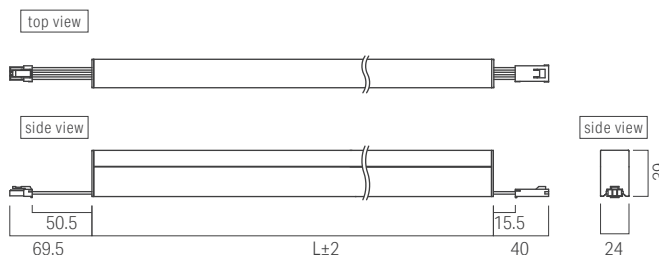
Length	0100	0500	1000
Model No.	LTH-0100-NL27-DF-I	LTH-0500-NL27-DF-I	LTH-1000-NL27-DF-I
Power consumption	3.1W (Max)	15.6W (Max)	31.2W (Max)
Fitting length(L)	103mm	503mm	1003mm
Weight	50g	210g	400g
Luminaire efficacy(2700K)	76.1 lm/W	76.1 lm/W	76.1 lm/W
Light source color	○ = Device inventory		
ex. NL27 5000K~2700K	○	○	○
Dimming rate			
N 100%, L27 0% Ra94	121 lm	606 lm	1213 lm
N 100%, L27 100% Ra95	237 lm	1185 lm	2370 lm
N 0%, L27 100% Ra94	109 lm	548 lm	1096 lm

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	4m
Material (body)	Polycarbonate, Aluminum
Attachments	① Mounting parts 2pcs
Option parts	① Mounting parts ② Power supply cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

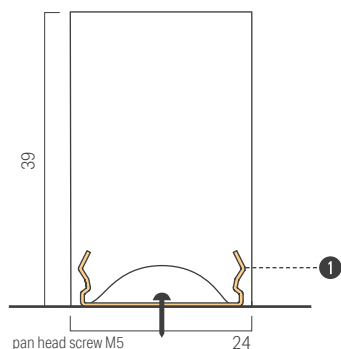
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) During dimmer use	Power supply
~1.2m	50W power supply
~2.5m	100W power supply
~4m	150W power supply

Cross sectional view

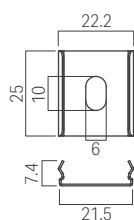


Option parts

1 Mounting parts A Attachment

Model No : LTH-PTA
Attached with LED fixture
2 pcs / bag

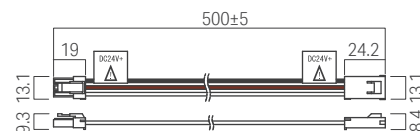
For extra order
2 pcs / bag



2 Power supply cable 500mm for THOF

Model No : CAD-0500-MDFD-I
1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.

Black : +
White : 1ch- (light source color: white)
Brown : 2ch- (light source color: warm white)

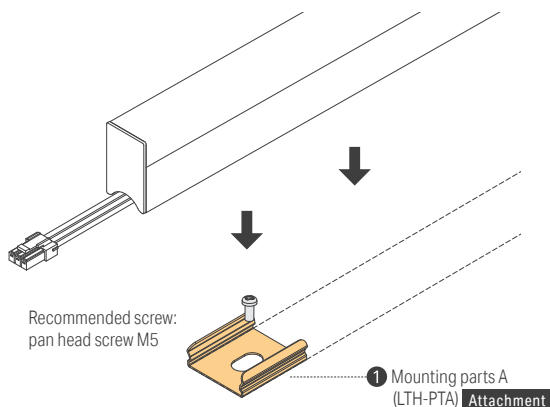


CRI and luminous flux data for each CCT combination

				Length: 100		Length: 500		Length: 1000	
Light source color		Ratio of output		Ra	lm	Ra	lm	Ra	lm
N W	N	100%	W	95	121	95	606	95	1213
		100%		94	233	94	1166	95	2332
		0%		93	115	93	575	93	1150
N WW	N	100%	WW	95	121	95	606	95	1213
		100%		95	500	95	1000	95	2000
		0%		93	106	93	530	93	1060
N L30	N	100%	L30	95	121	95	606	95	1213
		100%		96	222	96	1111	96	2222
		0%		92	106	92	531	92	1062
N L27	N	100%	L27	95	121	95	606	95	1213
		100%		94	237	94	1185	94	2370
		0%		94	109	94	548	94	1096
N L24	N	100%	L24	95	121	95	606	95	1213
		100%		96	212	96	1061	96	2122
		0%		91	99	91	497	91	994
W WW	W	100%	WW	93	115	93	575	93	1150
		100%		94	219	94	1097	94	2194
		0%		93	106	93	530	93	1060
W L30	W	100%	L30	93	115	93	575	93	1150
		100%		93	222	93	1111	93	2222
		0%		92	106	92	531	92	1062
W L27	W	100%	L27	93	115	93	575	93	1150
		100%		94	213	94	1067	94	2134
		0%		94	109	94	548	94	1096
W L24	W	100%	L24	93	115	93	575	93	1150
		100%		94	216	94	1080	94	2160
		0%		91	99	91	497	91	994
WW L30	WW	100%	L30	93	106	93	530	93	1060
		100%		94	211	94	1053	94	2106
		0%		92	106	92	531	92	1062
WW L27	WW	100%	L27	93	106	93	530	93	1060
		100%		91	210	91	1051	91	2102
		0%		94	109	94	548	94	1096
WW L24	WW	100%	L24	93	106	93	530	93	1060
		100%		94	204	94	1020	94	2040
		0%		91	99	91	497	91	994
L30 L27	L30	100%	L27	92	106	92	531	92	1062
		100%		93	205	93	1027	93	2054
		0%		94	109	94	548	94	1096
L30 L24	L30	100%	L24	92	106	92	531	92	1062
		100%		93	204	93	1020	93	2040
		0%		91	99	91	497	91	994
L27 L24	L27	100%	L24	94	109	94	548	94	1096
		100%		92	197	92	987	92	1974
		0%		91	99	91	497	91	994

Installing the product

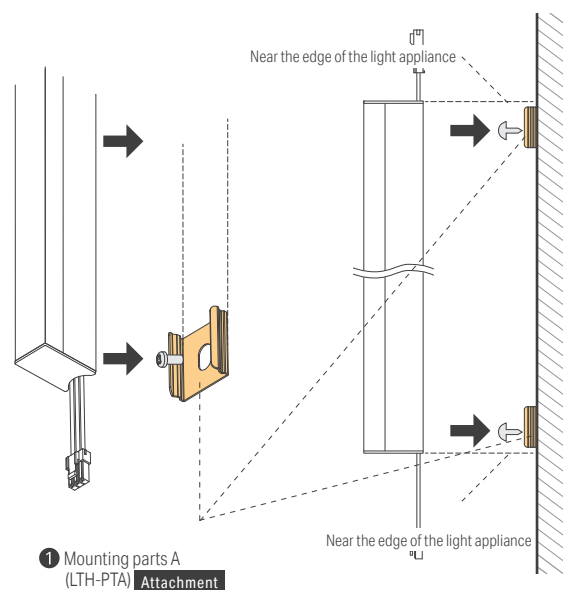
For horizontal installation



⚠ Cautions

- Do not recess the LED fixture on the wall without any clearance or heat dissipation for releasing the heat of the LED fixture.
- To avoid the mounting parts being deformed, DO NOT over-screw the screws, use countersunk screw and install the LED fixture forcefully when the mounting parts are misaligned. When using deformed Mounting parts, the LED fixture may drop from the Mounting parts. Make sure the LED fixture is fixed tightly after installation.

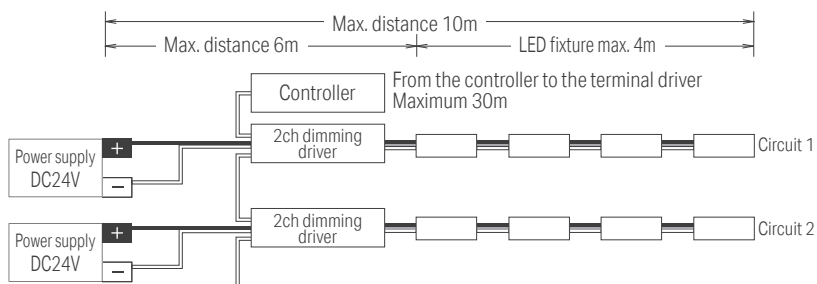
For vertical installation



System configuration diagram

- Max. connectable total length of LED fixture per driver depends on the capacity of the driver and power supply.
- Max. length per circuit of Luci THOF is 4m.
If it exceeds 4m, please split into multiple circuits.
- Max. distance from the power supply to the end of LED fixture is 10 m.
- Twist shield cable is recommended to use as a signal cable.

Use an appropriate signal cable and install it according to the instructions caution of the signal cable installation.



Luci original dynamic white dimmer controller

PWM Light Controller for THOF (LLC-PLC-T)

2 channel mode: switching channel by pressing the knob for dimming each separately
Dim-to-warm mode: rotating knob to change CCT and brightness at the same time.



Input voltage	DC12~24V
Input current	Max.5A
Output current	Max.5A
Size	W70*H120*D42 mm
Usage environment	Indoors

Multi Controller Switch for THOF (LLC-MFC-SWC)

Switch for calling a preset scene in LLC-MFC-11 and manual slider for dimming.



Input voltage	DC12~24V
Input current	Max.100mA
Output current	Max.5A
Size	W70*H120*D40 mm
Usage environment	Indoors

Use these together

Multi Controller (LLC-MFC-11)



Input voltage	DC12~24V
Input current	
Output current	1A max/CH
Size	W232.5*H124*D33.5mm
Usage environment	Indoors

Luci original dynamic white dimmer driver

PWM Dimming driver 5A for THOF (LLC-PWM5A-T)

Dimmer driver for LLC-PLC-T and LLC-MFC-10 (dimming protocol: PWM)



Input voltage	DC12~24V
Input current	Max. 5A
Output current	Max.5A
Size	W130*H75*D27 mm
Usage environment	Indoors

0-10V dynamic white dimmer driver

2ch 0-10V dimmer driver (DIM-S2L8V-O) EUCIHPS



Input voltage	DC12~24V
Output current	8A/2CH(for Brightness mode) Totally 8A(for CCT mode)
Size	W167*H51*D23mm
Usage environment	Indoors

Illuminance data

LTH
Luci THOF

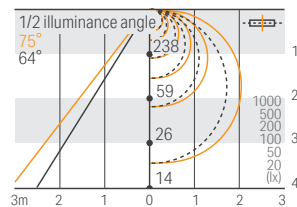
Color temperature

5000K-2700K

Direct horizontal surface light intensity distribution chart

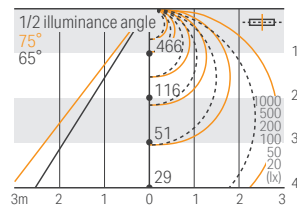
LTH-1000-NL27-CL-I

Light source color 5000K
N:100%, L27:0%
Brightness 238 cd
Luminous flux 1213 lm
Color rendering index Ra 95



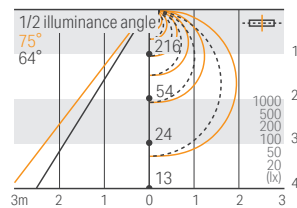
LTH-1000-NL27-CL-I

Light source color 3500K equivalent
N:100%, L27:100%
Brightness 466 cd
Luminous flux 2370 lm
Color rendering index Ra 94



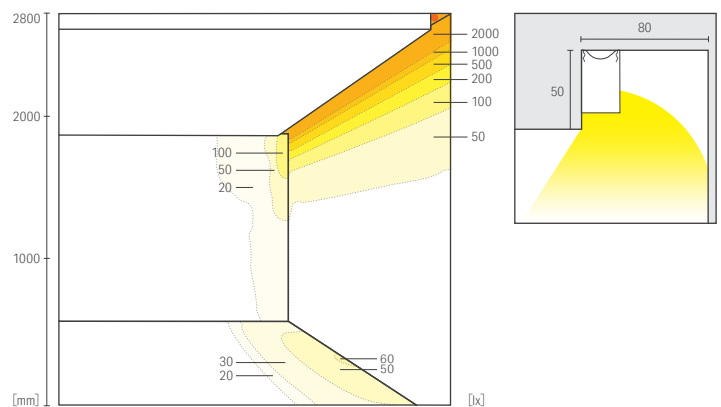
LTH-1000-NL27-CL-I

Light source color 2700K
N:0%, L27:100%
Brightness 216 cd
Luminous flux 1096 lm
Color rendering index Ra 94

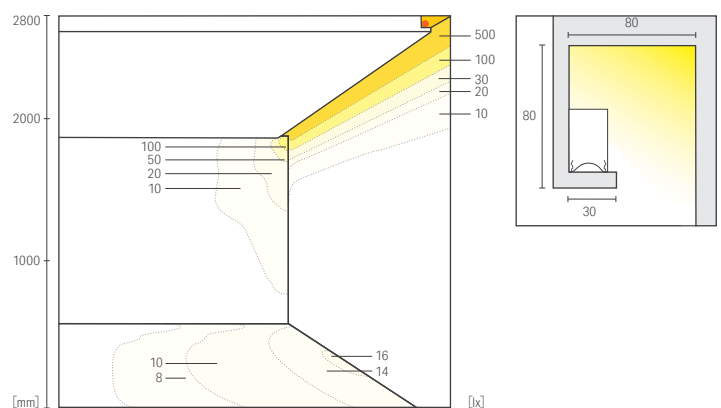


Recommend dimensions and illumination distributions

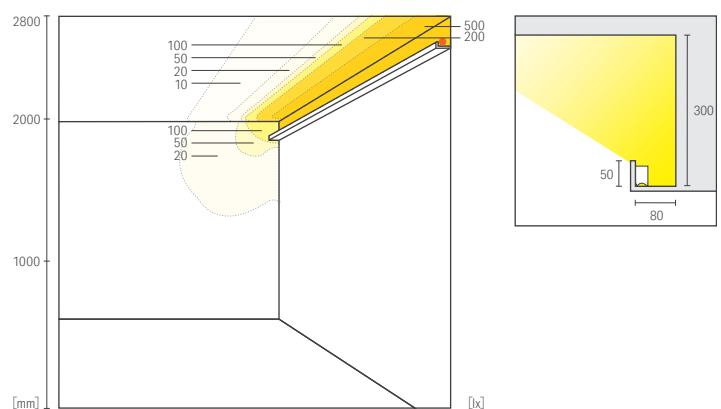
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LTH

Vivox Graze

Vivox Graze THOF®

RECTA

THOF®

Creide® / lens

silux® K

silux wide® K

nano line