

Project Name

Qty

Catalog / Part Number



LRFTH-I | Luci RIMiT flex THOF Indoor

Color management
MacAdam 3 step

CE

1 years warranty

Flexible

Model No. (Open end)

LRFTH - T - **NL24** - **DF** - **I** - **12**

Model No. (Connector)

LRFTH - T - **NL24** - **DF** - **I** - **12** **(C)**

Product name	Length	Lead Wire	Light source color	Cover type	Environment	Wattage	Connector
Refer to "Custom order length"		<p>W Both ends lead wire</p> <p>S One end lead wire</p>	<p>N Natural white 5000K</p> <p>L24 Warm white 2400K 2400K</p>	DF Diffuser	I Indoor	12 12W	(C) Connector

Specification

Wattage	12 W/m		
Length	37 mm - 4015 mm		
Weight	67 g / 1012 mm		
Luminaire efficacy (2400K)	52.2 lm/W		
Light source color	Delivered CCT		
NL24 5000K - 2400K	4200K - 2300K		
N 5000K 100% Ra 91	4200K	354 lm	
WW 5000K,2400K 100% Ra 91	3100K	626 lm	
L24 2400K 100% Ra 89	2300K	270 lm	

Custom order length

0025	0525	1025	1525	2025	2525	3025	3525
0050	0550	1050	1550	2050	2550	3050	3550
0075	0575	1075	1575	2075	2575	3075	3575
0100	0600	1100	1600	2100	2600	3100	3600
0125	0625	1125	1625	2125	2625	3125	3625
0150	0650	1150	1650	2150	2650	3150	3650
0175	0675	1175	1675	2175	2675	3175	3675
0200	0700	1200	1700	2200	2700	3200	3700
0225	0725	1225	1725	2225	2725	3225	3725
0250	0750	1250	1750	2250	2750	3250	3750
0275	0775	1275	1775	2275	2775	3275	3775
0300	0800	1300	1800	2300	2800	3300	3800
0325	0825	1325	1825	2325	2825	3325	3825
0350	0850	1350	1850	2350	2850	3350	3850
0375	0875	1375	1875	2375	2875	3375	3875
0400	0900	1400	1900	2400	2900	3400	3900
0425	0925	1425	1925	2425	2925	3425	3925
0450	0950	1450	1950	2450	2950	3450	3950
0475	0975	1475	1975	2475	2975	3475	3975
0500	1000	1500	2000	2500	3000	3500	4000

General Specification

Input voltage	DC24V
Environment	Indoor (no condensation) 0°C - +35°C (no condensation)
Max. length per circuit	4m
Min. bending range	R75mm
Material (body)	Silicone
Attachment	⑧ Outer cap 1pc
Accessories	① ② Mounting rail ③ ④ Mounting clip ⑤ Rail cover ⑥ Clip for cable ⑦ Power supply cable ⑧ Outer cap ⑨ Magnet set
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM, Casambi)

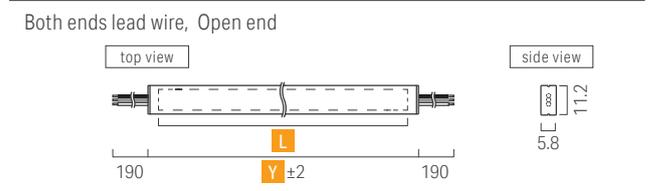
Light Intensity

LRFTH-T1000□-NL24-DF-□-12

Light source color 3500K
N:100%,L24:100%

Brightness 176 cd
Luminous flux 626 lm
Color rendering index Ra 91

External dimension



Light distribution



Custom order length

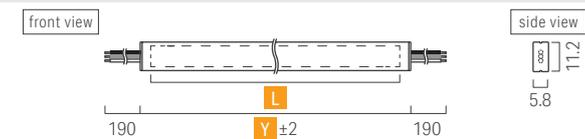
Length	length (mm) L	Fitting length (mm) Y	Wattage (W)
0025	25	37	0.3
0050	50	62	0.6
0075	75	87	0.9
0100	100	112	1.2
0125	125	137	1.5
0150	150	162	1.8
0175	175	187	2.1
0200	200	212	2.4
0225	225	237	2.7
0250	250	262	3.0
0275	275	287	3.3
0300	300	312	3.6
0325	325	337	3.9
0350	350	362	4.2
0375	375	387	4.5
0400	400	412	4.8
0425	425	437	5.1
0450	450	462	5.4
0475	475	487	5.7
0500	500	512	6.0
0525	525	537	6.3
0550	550	562	6.6
0575	575	587	6.9
0600	600	612	7.2
0625	625	637	7.5
0650	650	662	7.8
0675	675	687	8.1
0700	700	712	8.4
0725	725	737	8.7
0750	750	762	9.0
0775	775	787	9.3
0800	800	812	9.6
0825	825	837	9.9
0850	850	862	10.2
0875	875	887	10.5
0900	900	912	10.8
0925	925	937	11.1
0950	950	962	11.4
0975	975	987	11.7
1000	1000	1012	12.0
1025	1025	1038	12.3
1050	1050	1063	12.6
1075	1075	1088	12.9
1100	1100	1113	13.2
1125	1125	1138	13.5
1150	1150	1163	13.8
1175	1175	1188	14.1
1200	1200	1213	14.4
1225	1225	1238	14.7
1250	1250	1263	15.0
1275	1275	1288	15.3
1300	1300	1313	15.6
1325	1325	1338	15.9
1350	1350	1363	16.2

Length	length (mm) L	Fitting length (mm) Y	Wattage (W)
1375	1375	1388	16.5
1400	1400	1413	16.8
1425	1425	1438	17.1
1450	1450	1463	17.4
1475	1475	1488	17.7
1500	1500	1513	18.0
1525	1525	1538	18.3
1550	1550	1563	18.6
1575	1575	1588	18.9
1600	1600	1613	19.2
1625	1625	1638	19.5
1650	1650	1663	19.8
1675	1675	1688	20.1
1700	1700	1713	20.4
1725	1725	1738	20.7
1750	1750	1763	21.0
1775	1775	1788	21.3
1800	1800	1813	21.6
1825	1825	1838	21.9
1850	1850	1863	22.2
1875	1875	1888	22.5
1900	1900	1913	22.8
1925	1925	1938	23.1
1950	1950	1963	23.4
1975	1975	1988	23.7
2000	2000	2013	24.0
2025	2025	2039	24.3
2050	2050	2064	24.6
2075	2075	2089	24.9
2100	2100	2114	25.2
2125	2125	2139	25.5
2150	2150	2164	25.8
2175	2175	2189	26.1
2200	2200	2214	26.4
2225	2225	2239	26.7
2250	2250	2264	27.0
2275	2275	2289	27.3
2300	2300	2314	27.6
2325	2325	2339	27.9
2350	2350	2364	28.2
2375	2375	2389	28.5
2400	2400	2414	28.8
2425	2425	2439	29.1
2450	2450	2464	29.4
2475	2475	2489	29.7
2500	2500	2514	30.0
2525	2525	2539	30.3
2550	2550	2564	30.6
2575	2575	2589	30.9
2600	2600	2614	31.2
2625	2625	2639	31.5
2650	2650	2664	31.8
2675	2675	2689	32.1
2700	2700	2714	32.4

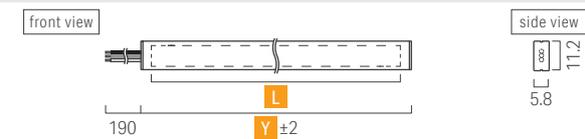
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2725	2725	2739	32.7
2750	2750	2764	33.0
2775	2775	2789	33.3
2800	2800	2814	33.6
2825	2825	2839	33.9
2850	2850	2864	34.2
2875	2875	2889	34.5
2900	2900	2914	34.8
2925	2925	2939	35.1
2950	2950	2964	35.4
2975	2975	2989	35.7
3000	3000	3014	36.0
3025	3025	3040	36.3
3050	3050	3065	36.6
3075	3075	3090	36.9
3100	3100	3115	37.2
3125	3125	3140	37.5
3150	3150	3165	37.8
3175	3175	3190	38.1
3200	3200	3215	38.4
3225	3225	3240	38.7
3250	3250	3265	39.0
3275	3275	3290	39.3
3300	3300	3315	39.6
3325	3325	3340	39.9
3350	3350	3365	40.2
3375	3375	3390	40.5
3400	3400	3415	40.8
3425	3425	3440	41.1
3450	3450	3465	41.4
3475	3475	3490	41.7
3500	3500	3515	42.0
3525	3525	3540	42.3
3550	3550	3565	42.6
3575	3575	3590	42.9
3600	3600	3615	43.2
3625	3625	3640	43.5
3650	3650	3665	43.8
3675	3675	3690	44.1
3700	3700	3715	44.4
3725	3725	3740	44.7
3750	3750	3765	45.0
3775	3775	3790	45.3
3800	3800	3815	45.6
3825	3825	3840	45.9
3850	3850	3865	46.2
3875	3875	3890	46.5
3900	3900	3915	46.8
3925	3925	3940	47.1
3950	3950	3965	47.4
3975	3975	3990	47.7
4000	4000	4015	48.0

External dimensions

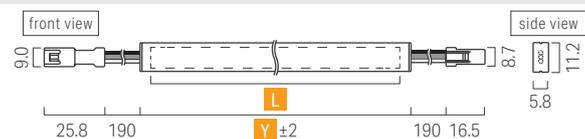
Luci RIMiT flex THOF Indoor / Both ends lead wire



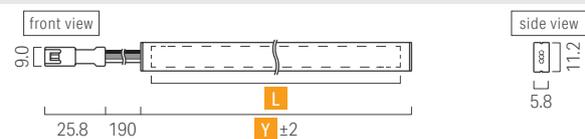
Luci RIMiT flex THOF Indoor / One end lead wire



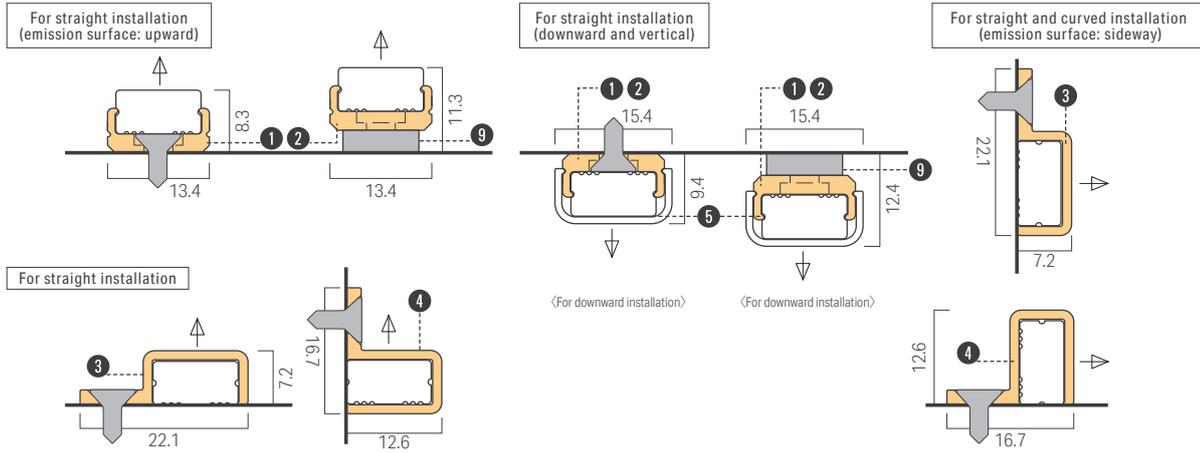
Luci RIMiT flex THOF Indoor / Connector, Both ends lead wire



Luci RIMiT flex THOF Indoor / Connector, One end lead wire



Cross sectional view with accessories



Accessories

1 Mounting rail 1000 for RiMiT flex
 Model No : LRF-RL1000
 980mm
 For straight installation
 Magnet mounting available

7 Magnet set A

Screw hole : $\Phi 3.5$

2 Aluminium mounting rail 1000 for RiMiT flex
 Model No : LRF-RL1000-AL
 980mm
 For straight installation
 Magnet mounting available

7 Magnet set A

Screw hole : $\Phi 3.5$

3 Mounting clip A for RiMiT flex
 Model No : LRF-PT-A
 5pcs/1bag
 For straight and curved installation
 Magnet installation not supported

Recommended minimum 5 pcs per 1 meter

4 Mounting clip B for RiMiT flex
 Model No : LRF-PT-B
 5pcs/1bag
 For straight and curved installation
 Magnet installation not supported

Recommended minimum 5 pcs per 1 meter

5 Rail cover for RiMiT flex
 Model No : LRF-C1000
 Fixing the luminaire to the mounting rail
 Corresponding rail: **1** Mounting rail, **2** Aluminium mounting rail

6 Clip J for Lead Wire
 Model No : LRM-PT-J
 5pcs/1bag
 For securing the joining of two cables

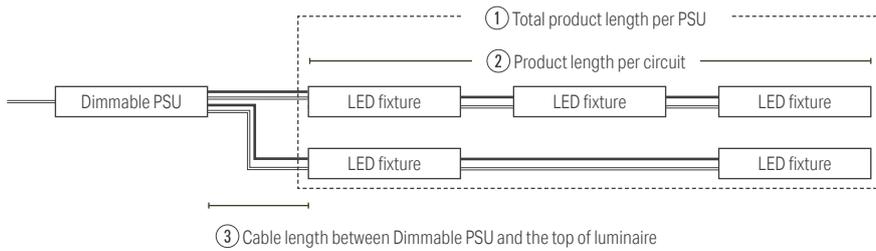
7 Power supply cable 5M
 Model No : CAD-5000-MTFT-O
 1 pcs per circuit for connecting the LED fixture to power supply or dimmer driver.

8 Outercap B for RiMiT flex **Attachments**
 Model No : LRF-PT-C
 1pcs/1bag
 1pcs per 1 open-ended fixture
 For sealing the open end of LED fixture after cutting

9 Magnet set R for rail
 Model No : MG-R
 4sets / 1 bag
 1 pcs per circuit for connecting the LED fixture to power supply or dimmer driver.
 Corresponding rail: **1** Mounting rail, **2** Aluminium mounting rail



System configuration diagram



- ① Total product length per Dimmable PSU depends on capacity of the Dimmable 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 Dimmable 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 LED fixtures in the circuit.

Dimmer	
Model No.	Size (mm) (L × W × H)
DIM-S2L8V-0	167 × 51 × 23
Dimmable PSU	
Model No.	Size (mm) (L × W × H)
PWM-200-24	195 × 68 × 39.5
PWM-120-24	191 × 63 × 37.5
PWM-90-24	171 × 63 × 37.5
PWM-60-24	150 × 53 × 35
PWM-40-24	150 × 53 × 35

Dimmer & Dimmable PSU			DIM-S2L8V-0 (8A x 2ch. MAX)	DIM-S8L8V-0 (8A x 2ch. MAX)	PWM-200-24	PWM-120-24	PWM-90-24	PWM-60-24	PWM-40-24
			connectable up to 5A, when using 200W DC24V PSU as 60% load factor	connectable up to 3A, when using 150W DC24V PSU as 60% load factor	connect up to 140W as 70% load	connect up to 84W as 70% load	connect up to 63W as 70% load	connect up to 42W as 70% load	connect up to 28W as 70% load
Model No.	Wattage (W/m)	Max. length per circuit (m)	① Connectable length per Dimmer & Dimmable PSU (m)						
LRFTH-T**-NL24-DF-I-12	12	4	10*	6*	11.6*	7.0*	5.2*	3.5	2.3

Model No.	Wattage (W/m)	Cross section	
		Wiregauge	0.75 sq
		1.25 sq	
		AWG 16	
Model No.	Wattage (W/m)	② Max. length per circuit (m)	③ Max. cable length between PSU and the top of luminaire at ② Max. length per circuit (m)
LRFTH-T**-NL24-DF-I-12	12 W/m	4	25

