

Luci SHIN RECTA

LREY SHIN series NEW



KOHNAN SHOJI CO., LTD
Location: Japan



THE WESTIN AWAJI ISLAND RESORT & CONFERENCE CENTER repair work
Location: Japan
Architect office: J.FRONT DESIGN & CONSTRUCTION Co.,Ltd.
Lighting design: KOIZUMI LIGHTING TECHNOLOGY CORP.
Construction: J.FRONT DESIGN & CONSTRUCTION Co.,Ltd.

Luci SHIN RECTA

Increased 160% efficacy
Available 3 different wattage variations
Max length is 1.5m

Indoor

Rigid light

LREY

SHIN RECTA

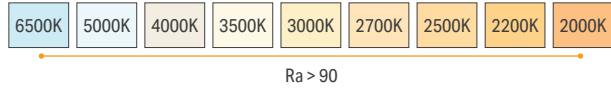
Specifications

Dimensions

Cross section W 24 x H 39 mm
Standard length 15 types of fixed length

1502	1407	1306	1204	1106	1003
907	806	705	604	503	407
306	205	103	(mm)		

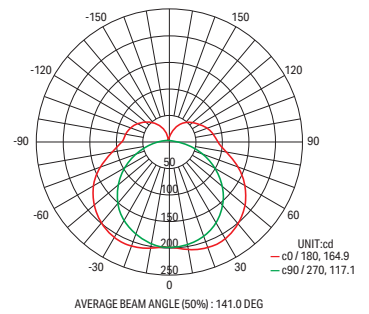
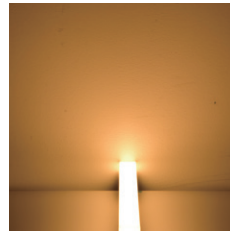
Color temperature



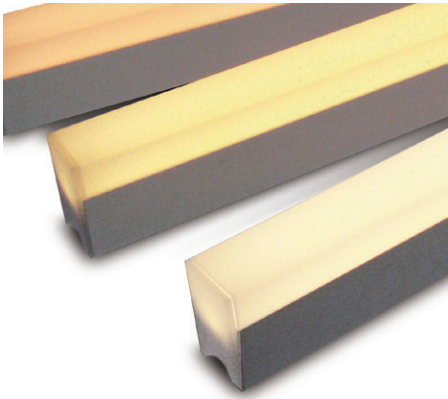
Electrical & Output @2700K

LRE			SHIN series LREY			Efficacy Improvement
W/m	lm/m	lm/W	W/m	lm/m	lm/W	
10.1 W/m	1166 lm/m	115 lm/W				
31.2 W/m	2380 lm/m	76 lm/W	21.5 W/m	2466 lm/m	115 lm/W	150%
			31.6 W/m	3496 lm/m	111 lm/W	

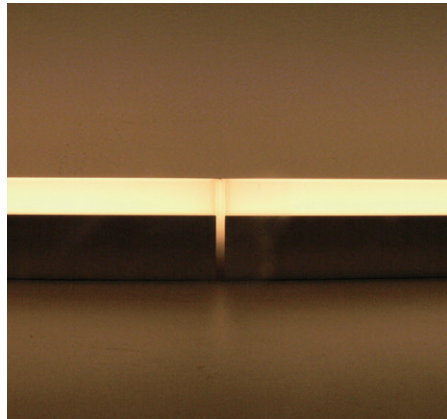
Light distribution



Features

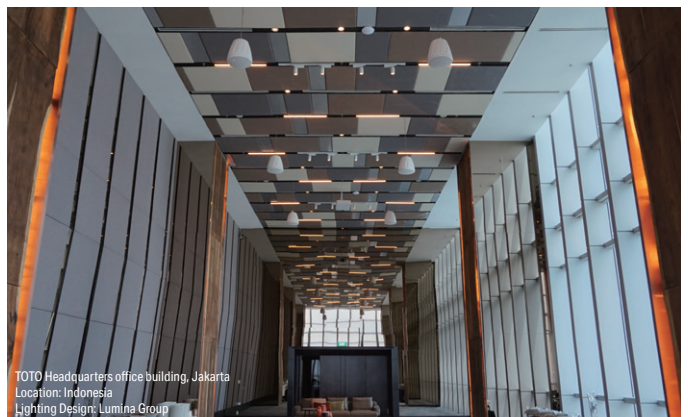


Squared section with uniform and homogenous
3 side emitted surface

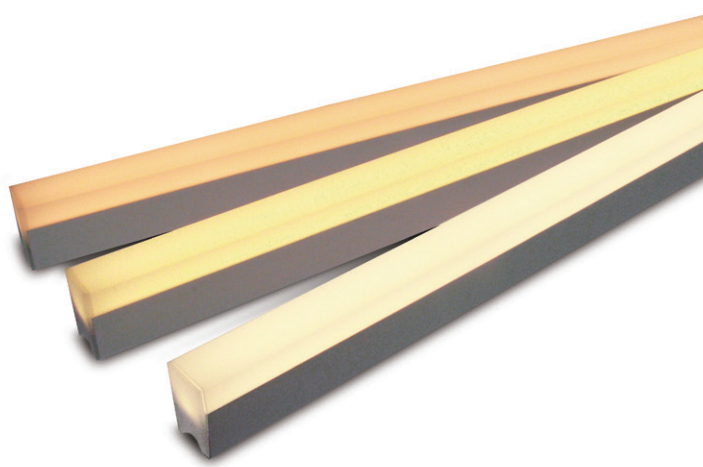


Seamless lighting at the joint
Neither clips nor cable can be seen

Project reference



LREY **SHIN** series NEW



Color management
MacAdam 3 step CE

- Updated with low wattage high lumen LED series
- Increased 160% efficacy
- Available 3 different wattage variations
- Max length is 1.5m

Model No.

LREY - □□□□ - □ - **DF** - **I** - □

Product Name	Length	Light source color	Cover Type	Environment	Wattage																																									
LREY	<table style="font-size: small;"> <tr><td>0103</td><td>0604</td><td>1106</td></tr> <tr><td>0205</td><td>0705</td><td>1204</td></tr> <tr><td>0306</td><td>0806</td><td>1306</td></tr> <tr><td>0407</td><td>0907</td><td>1407</td></tr> <tr><td>0503</td><td>1003</td><td>1502</td></tr> </table>	0103	0604	1106	0205	0705	1204	0306	0806	1306	0407	0907	1407	0503	1003	1502	<table style="font-size: small;"> <tr><td>D</td><td>: 6500K</td><td>L30</td><td>: 3000K</td></tr> <tr><td>N</td><td>: 5000K</td><td>L27</td><td>: 2700K</td></tr> <tr><td>W</td><td>: 4000K</td><td>L25</td><td>: 2500K</td></tr> <tr><td>WW</td><td>: 3500K</td><td>L22</td><td>: 2200K</td></tr> <tr><td></td><td></td><td>L20</td><td>: 2000K</td></tr> </table>	D	: 6500K	L30	: 3000K	N	: 5000K	L27	: 2700K	W	: 4000K	L25	: 2500K	WW	: 3500K	L22	: 2200K			L20	: 2000K	DF : Diffuser	I : Indoor	<table style="font-size: small;"> <tr><td>10</td><td>: 10.1 W/m</td></tr> <tr><td>21</td><td>: 21.5 W/m</td></tr> <tr><td>31</td><td>: 31.6 W/m</td></tr> </table>	10	: 10.1 W/m	21	: 21.5 W/m	31	: 31.6 W/m
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31	: 31.6 W/m																																													

Specification

Model No.	LREY-(Length)-(Light source color)-DF-I-(Wattage)		
Wattage(Code)	10	21	31
Wattage per meter	10.1 W	21.5 W	31.6 W
Luminaire efficacy @2700K	115.6 lm/W	114.7 lm/W	110.5 lm/W
Luman output			
Light source color(Code)	CRI	Luminaire flux	
D	6500K Ra 96	1317 lm/m	2786 lm/m 3950 lm/m
N	5000K Ra 93	1305 lm/m	2762 lm/m 3916 lm/m
W	4000K Ra 97	1282 lm/m	2712 lm/m 3846 lm/m
WW	3500K Ra 97	1270 lm/m	2688 lm/m 3811 lm/m
L30	3000K Ra 95	1235 lm/m	2614 lm/m 3706 lm/m
L27	2700K Ra 94	1166 lm/m	2466 lm/m 3496 lm/m
L25	2500K Ra 94	862 lm/m	1825 lm/m 2587 lm/m
L22	2200K Ra 93	804 lm/m	1701 lm/m 2412 lm/m
L20	2000K Ra 91	734 lm/m	1553 lm/m 2202 lm/m

General Specification

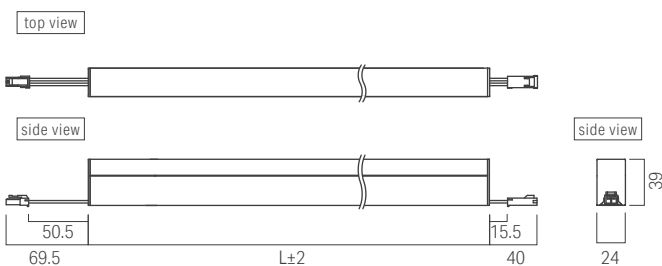
Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	10.1W/m 21.5W/m : 5m 31.6W/m : 3m
Material	Polycarbonate, Aluminum
Attachments	① Mounting parts 2pcs
Accessories	① Mounting parts ② Power supply cable ③ Joint cable
Certification	CE, PBT FREE
Dimmable	Yes (0-10V, 1-10V, DMX, DALI, PWM, Casambi)

Max. connectable length per PSU

Length of light fixture (70% loading factor) *: split into multiple circuits			PSU
10.1 W/m	21.5 W/m	31.6 W/m	
~3.5 m	~1.6 m	~1.1 m	50W
~6.9 m*	~3.3 m	~2.2 m	100W
~10.4 m*	~4.9 m	~3.3 m*	150W

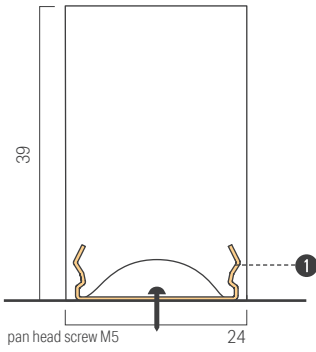
Length(Code)	Fitting length	Weight	Wattage		
0103	103 mm	60 g	1.0 W	2.1 W	3.2 W
0205	205 mm	100 g	2.0 W	4.3 W	6.3 W
0306	306 mm	140 g	3.0 W	6.4 W	9.5 W
0407	407 mm	180 g	4.0 W	8.6 W	12.7 W
0503	503 mm	220 g	5.0 W	10.7 W	15.8 W
0604	604 mm	260 g	6.0 W	12.9 W	19.0 W
0705	705 mm	300 g	7.1 W	15.0 W	22.1 W
0806	806 mm	340 g	8.1 W	17.2 W	25.3 W
0907	907 mm	380 g	9.1 W	19.3 W	28.5 W
1003	1003 mm	420 g	10.1 W	21.5 W	31.6 W
1106	1106 mm	460 g	11.1 W	23.6 W	34.8 W
1204	1204 mm	500 g	12.1 W	25.8 W	38.0 W
1306	1306 mm	540 g	13.1 W	27.9 W	41.1 W
1407	1407 mm	580 g	14.1 W	30.1 W	44.3 W
1502	1502 mm	620 g	15.1 W	32.2 W	47.5 W

External dimensions



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



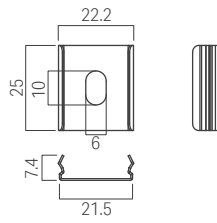
Accessories

1 Mounting parts A Attachments



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

For extra order
2 pcs / bag

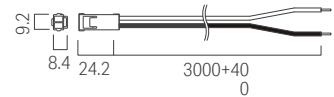


Length	0103-1003	1106-1407	1502	
Attachments				
Mounting clip	2 pcs	3 pcs	4 pcs	Unit of order
1 Mounting clip	2 pcs	3 pcs	4 pcs	2 pcs/bag

2 Power supply cable 3M



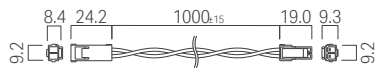
Model No : CAD-3000-MCNN-I
1 pc per circuit for connecting the light fixture
to power supply or dimmer driver.



3 Joint cable 1M



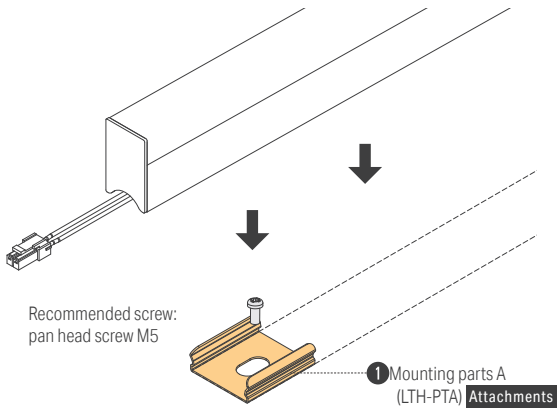
Model No : CAD-1000-MCFC-I
Joint cable between two light fixtures



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Installing the product

For horizontal installation



⚠ Cautions

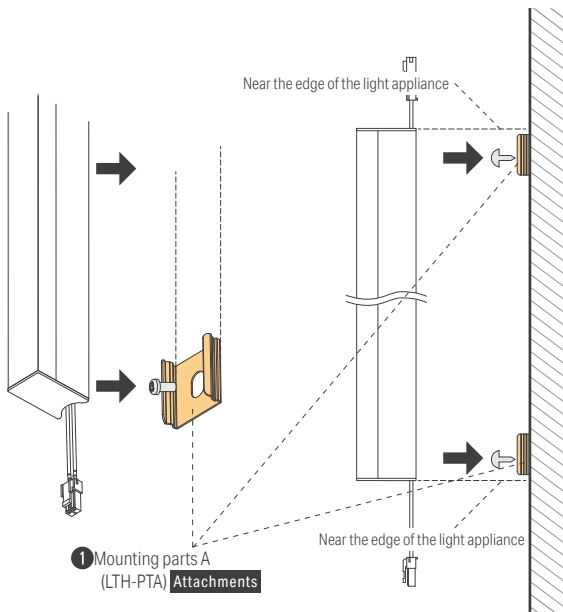
- Do not recess the light fixture on the wall without any clearance or heat dissipation for releasing the heat of the light fixture.

- To avoid the mounting parts being deformed, DO NOT over-screw the screws, use countersunk screw and install the light fixture forcefully when the mounting parts are misaligned.

When using deformed Mounting parts, the light fixture may drop from the Mounting parts. Make sure the light fixture is fixed tightly after installation.

Length	0103-1003	1106-1407	1502	
Attachments Mounting clip	2 pcs	3 pcs	4 pcs	Unit of order
1 Mounting clip	2 pcs	3 pcs	4 pcs	2 pcs/bag

For vertical installation



⚠ Cautions

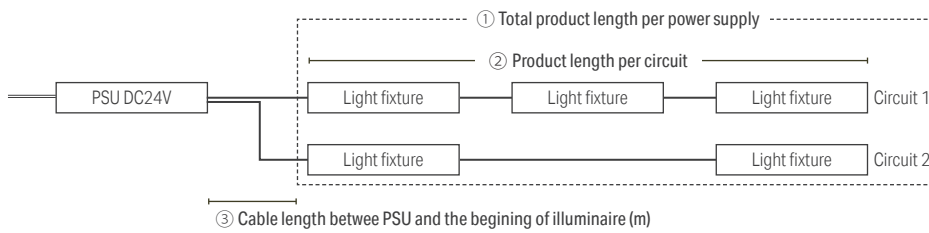
- Do not recess the light fixture on the wall without any clearance or heat dissipation for releasing the heat of the light fixture.

- To avoid the mounting parts being deformed, DO NOT over-screw the screws, use countersunk screw and install the light fixture forcefully when the mounting parts are misaligned.

When using deformed Mounting parts, the light fixture may drop from the Mounting parts. Make sure the light fixture is fixed tightly after installation.

Length	0103-1003	1106-1407	1502	
Attachments Mounting clip	2 pcs	3 pcs	4 pcs	Unit of order
1 Mounting clip	2 pcs	3 pcs	4 pcs	2 pcs/bag

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.

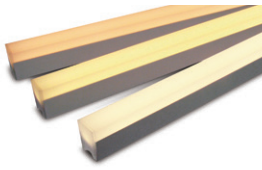
① Max. connectable length per PSU

Length of light fixture (70% loading factor) *: split into multiple circuits			PSU
10.1 W/m	21.5 W/m	31.6 W/m	
~3.5 m	~1.6 m	~1.1 m	50W
~6.9 m*	~3.3 m	~2.2 m	100W
~10.4 m*	~4.9 m	~3.3 m*	150W

Model No.	Wattage	Cross section				
		② Max length per circuit	③ Max cable length between PSU and the top of luminaire at	② Max length per circuit		
				0.3 sq	0.5 sq	0.75 sq
				AWG 22	AWG 20	AWG 18
LREY-**-DF-I-2	10.1 W/m	5 m	3.2 m	5.2 m	8.2 m	
LREY-**-DF-I-4	21.5 W/m	5 m	1.5 m	2.4 m	3.9 m	
LREY-**-DF-I-6	31.6 W/m	3 m	1.7 m	2.8 m	4.4 m	

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Illuminance data



LREY Luci SHIN RECTA

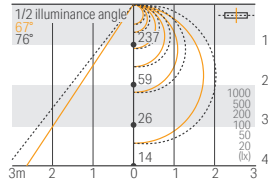
Color temperature

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

Direct horizontal surface light intensity distribution chart - 10W

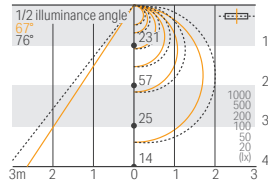
LREY-1003-D-DF-I-10

Light source color 6500K
Brightness 237 cd
Luminous flux 1317 lm
Color rendering index Ra 96



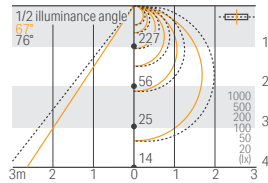
LREY-1003-N-DF-I-10

Light source color 5000K
Brightness 231 cd
Luminous flux 1305 lm
Color rendering index Ra 93



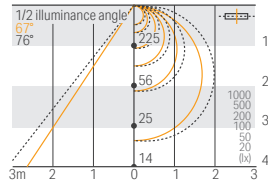
LREY-1003-W-DF-I-10

Light source color 4000K
Brightness 227 cd
Luminous flux 1282 lm
Color rendering index Ra 97



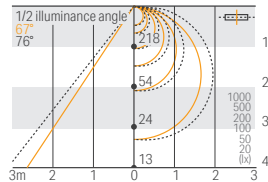
LREY-1003-WW-DF-I-10

Light source color 3500K
Brightness 225 cd
Luminous flux 1270 lm
Color rendering index Ra 97



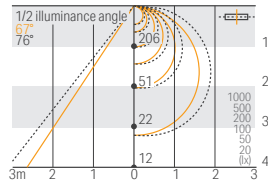
LREY-1003-L30-DF-I-10

Light source color 3000K
Brightness 218 cd
Luminous flux 1235 lm
Color rendering index Ra 95



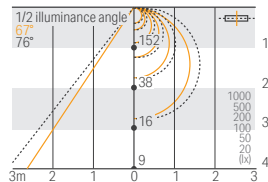
LREY-1003-L27-DF-I-10

Light source color 2700K
Brightness 206 cd
Luminous flux 1166 lm
Color rendering index Ra 94



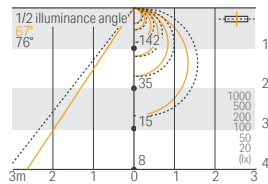
LREY-1003-L25-DF-I-10

Light source color 2500K
Brightness 152 cd
Luminous flux 862 lm
Color rendering index Ra 94



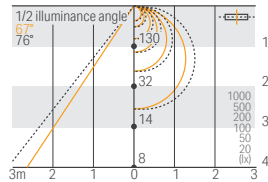
LREY-1003-L22-DF-I-10

Light source color 2200K
Brightness 142 cd
Luminous flux 804 lm
Color rendering index Ra 93



LREY-1003-L20-DF-I-10

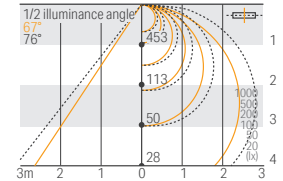
Light source color 2000K
Brightness 130 cd
Luminous flux 734 lm
Color rendering index Ra 91



Direct horizontal surface light intensity distribution chart - 21W

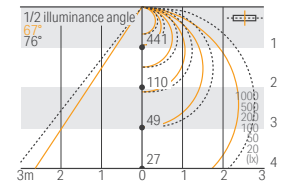
LREY-1003-D-DF-I-21

Light source color 6500K
Brightness 453 cd
Luminous flux 2786 lm
Color rendering index Ra 96



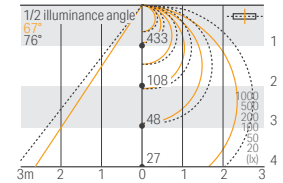
LREY-1003-N-DF-I-21

Light source color 5000K
Brightness 441 cd
Luminous flux 2762 lm
Color rendering index Ra 93



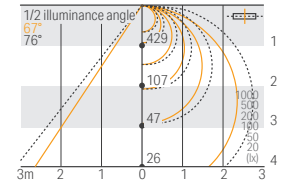
LREY-1003-W-DF-I-21

Light source color 4000K
Brightness 433 cd
Luminous flux 2712 lm
Color rendering index Ra 97



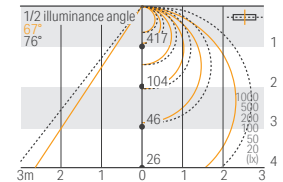
LREY-1003-WW-DF-I-21

Light source color 3500K
Brightness 429 cd
Luminous flux 2688 lm
Color rendering index Ra 97



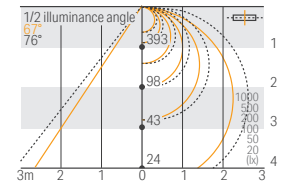
LREY-1003-L30-DF-I-21

Light source color 3000K
Brightness 417 cd
Luminous flux 2614 lm
Color rendering index Ra 95



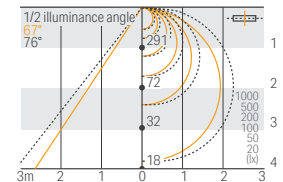
LREY-1003-L27-DF-I-21

Light source color 2700K
Brightness 393 cd
Luminous flux 2466 lm
Color rendering index Ra 94



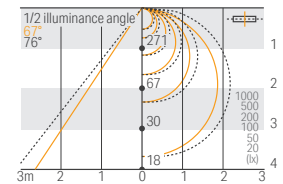
LREY-1003-L25-DF-I-21

Light source color 2500K
Brightness 291 cd
Luminous flux 1825 lm
Color rendering index Ra 94



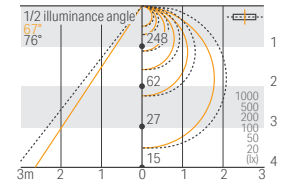
LREY-1003-L22-DF-I-21

Light source color 2200K
Brightness 271 cd
Luminous flux 1701 lm
Color rendering index Ra 93

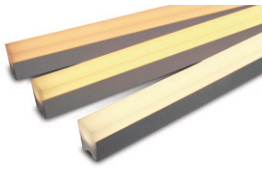


LREY-1003-L20-DF-I-21

Light source color 2000K
Brightness 248 cd
Luminous flux 1553 lm
Color rendering index Ra 91



Illuminance data



LREY Luci SHIN RECTA

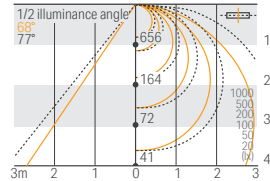
Color temperature

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

Direct horizontal surface light intensity distribution chart - 31W

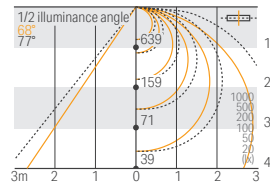
LREY-1003-D-DF-I-31

Light source color 6500K
Brightness 656 cd
Luminous flux 3950 lm
Color rendering index Ra 96



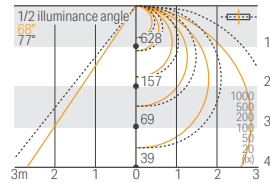
LREY-1003-N-DF-I-31

Light source color 5000K
Brightness 639 cd
Luminous flux 3916 lm
Color rendering index Ra 93



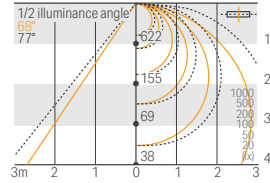
LREY-1003-W-DF-I-31

Light source color 4000K
Brightness 628 cd
Luminous flux 3846 lm
Color rendering index Ra 97



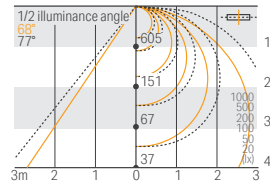
LREY-1003-WW-DF-I-31

Light source color 3500K
Brightness 622 cd
Luminous flux 3811 lm
Color rendering index Ra 97



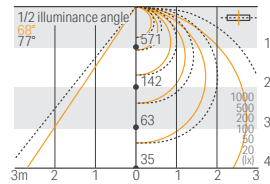
LREY-1003-L30-DF-I-31

Light source color 3000K
Brightness 605 cd
Luminous flux 3706 lm
Color rendering index Ra 95



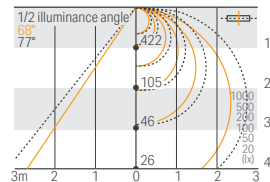
LREY-1003-L27-DF-I-31

Light source color 2700K
Brightness 571 cd
Luminous flux 3496 lm
Color rendering index Ra 94



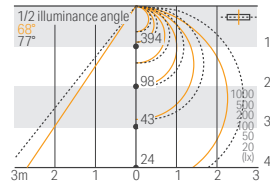
LREY-1003-L25-DF-I-31

Light source color 2500K
Brightness 422 cd
Luminous flux 2587 lm
Color rendering index Ra 94



LREY-1003-L22-DF-I-31

Light source color 2200K
Brightness 394 cd
Luminous flux 2412 lm
Color rendering index Ra 93



LREY-1003-L20-DF-I-31

Light source color 2000K
Brightness 359 cd
Luminous flux 2202 lm
Color rendering index Ra 91

