Outdoor
Strip light

LVF
Luci Vivoxy FLEX IP67 NEW

LVF-O NEW

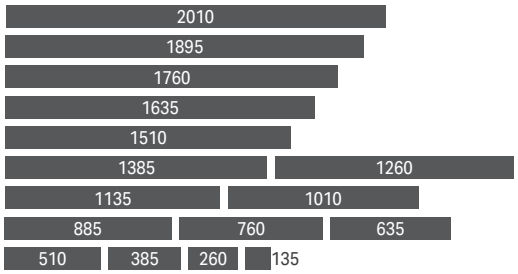
Luci Vivoxy FLEX IP67

Flexible wall grazing light to beautifully accentuate
the curved element with vertical and horizontal bending
Reduced unpleasant scalloping,
applicable for a wide range of offset distances

Specifications

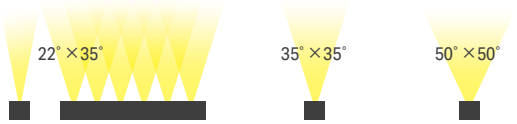
Dimensions

Cross section	W27xH45 mm with mounting rail /parts
Custom length	135 to 2010 mm (125mm length increment)
	15 types of fixed length with both sides or one side cable with IP67 connector



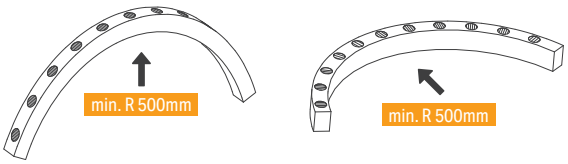
Color temperature

Optics



Min Bending radius

min. R 500mm with mounting parts in Top / Side bend
min. R 1000mm with bendable rail in Top bend

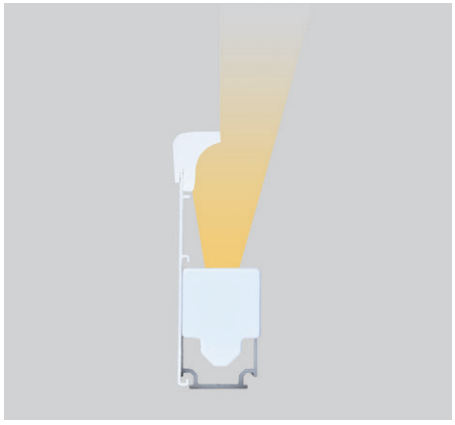


Electrical & Output

Power Consumption (W/m)	24	16
Luminous flux @ 3000K (lm/m), Optics SP2	1614	1076

Features

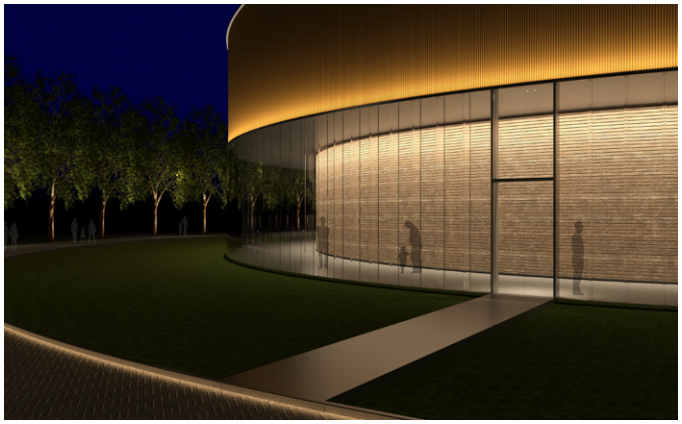
3 body colours to match the finish
(Gray: for exterior use where direct exposure to sunlight)

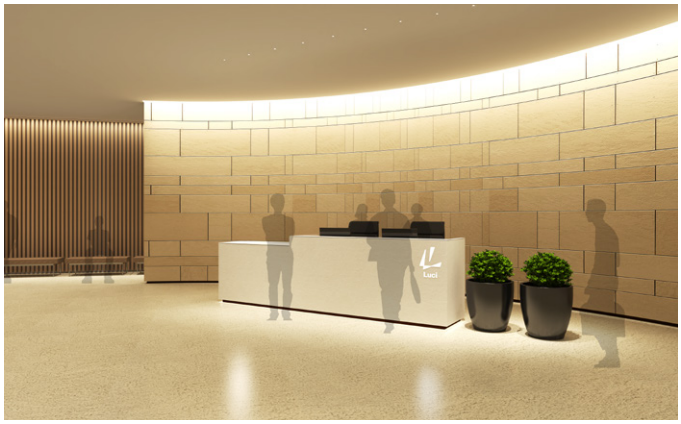


Bendable glare cut shield with silicon can be covered LED half to avoiding unexpected light spill, glare, light pollution for exterior

No scallop light on the wall even small offset thanks to diffused silicone

Application sample





Luci Vivoxy FLEX IP67

LVF-O NEW

Color management
MacAdam 3 step

CE

-Wall grazing light for organic design
-Bendable Horizontal and Vertical in R500mm
- Adjustable bracket and Shield option

Model No.

LVF40 - □□□□ □ - □ - □□ - O - □□ - □

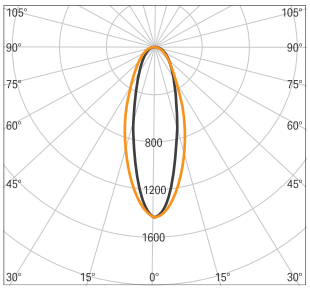
Product Name / LED pitch	Length	Lead Wire	Light source color	Beam angle	Environment	Power consumption	Body color
LVF40 : 40mm pitch	0125 1125 0250 1250 0375 1375 0500 1500 0625 1625 0750 1750 0875 1875 1000 2000	W : Both ends lead wire S : One end lead wire	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L22 : Warm white 2200K	SP2 : 22°×35° 35 : 35° 50 : 50°	O : Outdoor	24 : 24W/m 16 : 16W/m	G : Gray W : White B : Black* * Need MOQ 10M

Specification

Power consumption		24W/m			16W/m		
Model No.		LVF40-1000□-□-□□-O-24-□			LVF40-1000□-□-□□-O-16-□		
Fitting length		1010mm			1010mm		
Weight		520g			520g		
Luminaire efficacy (2700K)		66.9 lm/W			66.9 lm/W		
Light source color@SP2		○ = Device inventory * = Equivalent					
D	6500K	Ra 85	○	1844 lm	Ra 85	○	1230 lm
N	5000K	Ra 84	○	1970 lm	Ra 84	○	1314 lm
W	4000K	Ra 94	○	1587 lm	Ra 94	○	1059 lm
WW	3500K	Ra 82	○	1880 lm	Ra 82	○	1253 lm
L30	3000K	Ra 92	○	1614 lm	Ra 92	○	1076 lm
L27	2700K	Ra 93	○	1605 lm	Ra 93	○	1071 lm
L22	2200K	Ra 81	○	1563 lm	Ra 81	○	1042 lm

Light distribution curve Refer to P.168

LVF40-1000W-L30-SP2-O-24-W



Size Variation

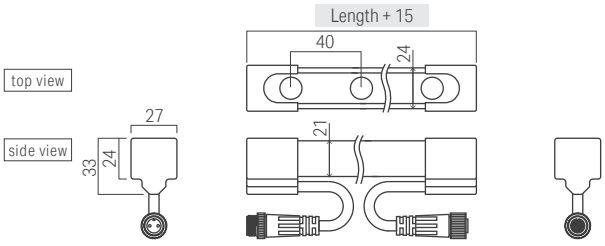
Length	0125	0250	0375	0500	0625	0750	0875	
Power consumption (24W/m | 16W/m)	3W | 2W	6W | 4W	9W/m | 6W/m	12W | 8W	15W | 10W	18W | 12W	21W | 14W	
Fitting length	135mm	260mm	385mm	510mm	635mm	760mm	885mm	
Length	**1125**	**1250**	**1375**	**1500**	**1625**	**1750**	**1875**	**2000**
Power consumption (24W/m | 16W/m)	27W | 18W	30W | 20W/m	33W | 22W	36W | 24W	39W | 26W	42W | 28W	45W | 30W	48W | 32W
Fitting length	1135mm	1260mm	1385mm	1510mm	1635mm	1760mm	1885mm	2010mm

General Specification

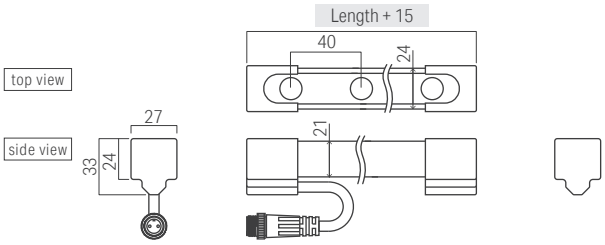
Input voltage	DC24V
LED beam angle	22°×35°, 35°, 50°
Environment	In & Outdoor, IP67
Max. length per circuit	5m
Min. bending range	❶ Mounting rail + ❸❹ Glare cut shield/ Horizontal R1000mm ❷ Mounting parts / Horizontal,vertical R500mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail ❷ Mounting parts ❸❹ Glare cut shield ❺ Bracket ❻ Power supply cable ❼ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

Both ends lead wire



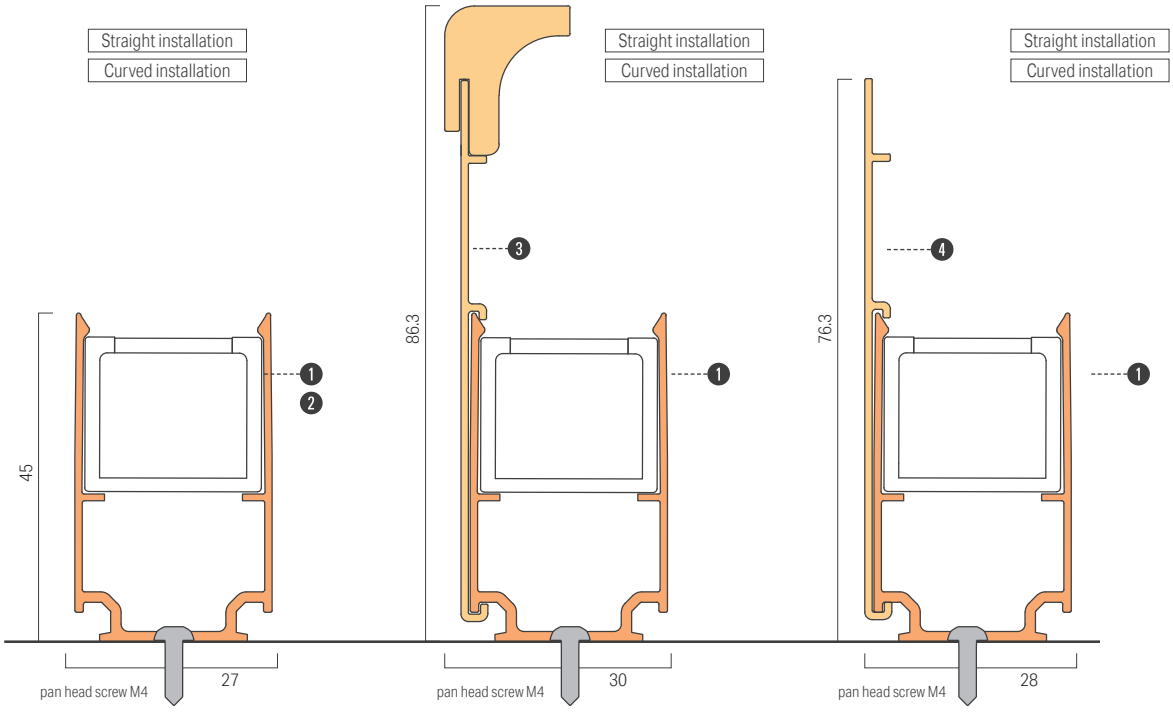
One end lead wire



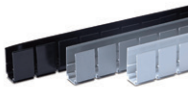
Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits		
24W/m	16W/m	Power supply
~1.4m	~2.1m	50W power supply
~2.9m	~4.37m	100W power supply
~4.3m	~6.5m*	150W power supply

Cross sectional view when installing optional items



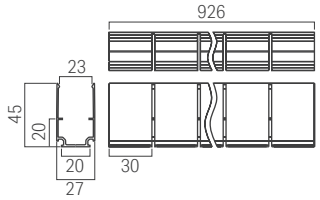
Option parts



1 Bendable AL rail 1000 for Vivoxy FLEX

Model No : LVF-RL1000-AL-W (White)
LVF-RL1000-AL-G (Gray)
LVF-RL1000-AL-B (Black)

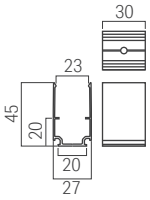
Min. bending range 1000mm

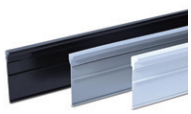


2 Mounting Parts for Vivoxy FLEX

Model No : LVF-RL0030-AL-W (White)
LVF-RL0030-AL-G (Gray)
LVF-RL0030-AL-B (Black)

5 pcs / bag

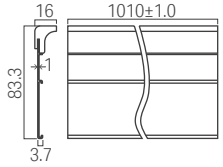




3 Glare cut shield with silicone for LVF 1000

Model No : LVF-GSS1000-W (White)
LVF-GSS1000-G (Gray)
LVF-GSS1000-B (Black)

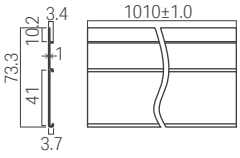
Min. bending range 1000mm



4 Glare cut shield for Vivoxy FLEX rail 1000

Model No : LVF-GS1000-W (White)
LVF-GS1000-G (Gray)
LVF-GS1000-B (Black)

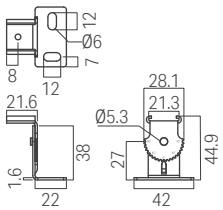
Min. bending range 1000mm



5 Adjustable SUS bracket for LVF rail

Model No : LVF-PT-A

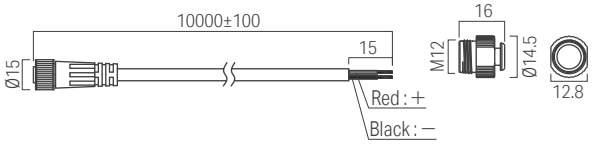
5 pcs / bag



6 Power supply cable 10M for Vivoxy FLEX **Required**

Model No : CAD-V010M-FQNN-O

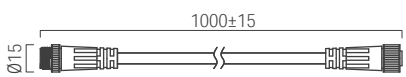
1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.
Connetctor cap (1 pc) is attached



7 Joint cable 1M for Vivoxy FLEX

Model No : CAD-V1000-MQFQ-O

Joint cable between two LED fixtures



Luci Vivoxy FLEX IP67

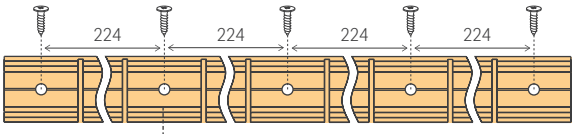
Installing the product

Installation with bendable rail

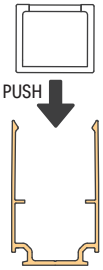
Fix the bendable rail by screws supplied by installer.
Recommended screw : pan head screw M4

Hold the upper side of LED fixture and push it down to put it in the rail.

Example: When LED fixture L = 1000 and bendable rail L = 926



1 Bendable AL rail 1000 for Vivoxy FLEX
Model No : LVF-RL1000-AL-W (White)
LVF-RL1000-AL-G (Gray)
LVF-RL1000-AL-B (Black)



Rail length for each LED fixture length, number of screws, screw hole pitch, The recommended number of installations is as follows.

LED fixture length (mm)	Rail length (mm)	Number of screws	Screw hole pitch (mm)
125	30	1	A*
250	158	2	128
375	286	2	192
500	414	3	192
625	542	3	224
750	670	4	224
875	798	5	192
1000	926	5	224

A* Mounting Parts
For lengths longer than the above, combine each length.

Caution:

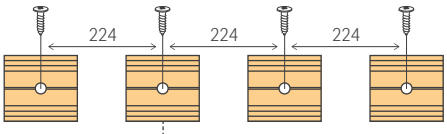
When inserting the LED fixture into the rail, do not press with force using fingers or a tool, it may cause damage to the LEDs, electric components, boards, and other parts.
There will be a high risk of unlighted LED, wire breakage and other failure occurring due to above improper mishandling.

Installation with mounting parts

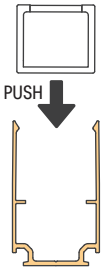
Fix the mounting parts by screws supplied by installer.
Recommended screw : pan head screw M4

Hold the upper side of LED fixture and push it down to put it in the mounting parts.

Example: When LED fixture L = 750



2 Mounting Parts for Vivoxy FLEX
Model No : LVF-RL0030-AL-W (White)
LVF-RL0030-AL-G (Gray)
LVF-RL0030-AL-B (Black)



Number of mounting parts for each LED fixture length, number of screws, screw hole pitch, The recommended number of installations is as follows.

LED fixture length (mm)	Number of mounting parts	Number of screws	Screw hole pitch (mm)
125	1	1	A*
250	2	2	128
375	2	2	192
500	3	3	192
625	3	3	224
750	4	4	224
875	5	5	192
1000	5	5	224

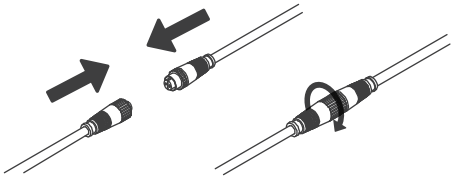
A* Mounting Parts
For lengths longer than the above, combine each length.

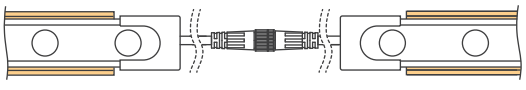
Caution:

When inserting the LED fixture into the mounting parts, do not press with force using fingers or a tool, it may cause damages to the LEDs, electric components, boards, and other parts.
There will be a high risk of unlighted LED, wire breakage and other failures due to above improper mishandling.

Installation with bendable rail, mounting parts Common Items

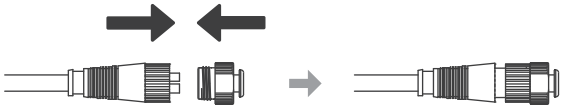
Ensure the pin holes in the connectors are positioned correctly before joining them.
To fasten, rotate the metalic knobs until tightend.





Caution:

The unenclosed connector at the terminal of Vovoxy FLEX IP67 must be sealed with connector cap which is enveloped in the power supply cable(CAAD-V010M-FQNN-0). To fasten, rotate the metalic knobs until tightend.



Aluminum rail cut

The Aluminium Bendable Rail for Vivoxy FLEX(LVF-RL1000-AL-W/B/G)can be cut according to the length of lighting fixture.
Aluminum rail mounting holes can also be made at the site by the installer. Please cut properly with a cutting tool for aluminum.

Installation of glare cut shield, glare cut shield & silicon on bendable rails

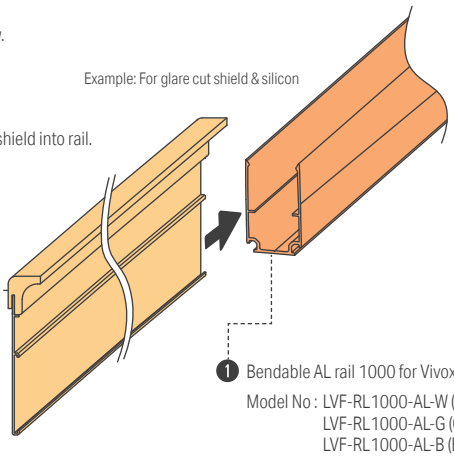
Attach the glare cut shield or glare cut shield & silicon to the bendable rail by sliding it as shown by the arrow.

<u>To make rail and shield curve</u>

Both rail and shield has to be straight when inserting shield into rail.

Bend rail and shield together to desired curve.

Example: For glare cut shield & silicon



3 Glare cut shield for Vivoxy FLEX rail 1000

Model No : LVF-GS1000-W (White)
LVF-GS1000-G (Gray)
LVF-GS1000-B (Black)

4 Glare cut shield with silicone for LVF 1000

Model No : LVF-GSS1000-W (White)
LVF-GSS1000-G (Gray)
LVF-GSS1000-B (Black)

1 Bendable AL rail 1000 for Vivoxy FLEX

Model No : LVF-RL1000-AL-W (White)
LVF-RL1000-AL-G (Gray)
LVF-RL1000-AL-B (Black)

Min. bending range R1000mm

Glare cut shield, Glare cut shield & silicon length for each LED fixture length, The recommended length of installations is as follows.

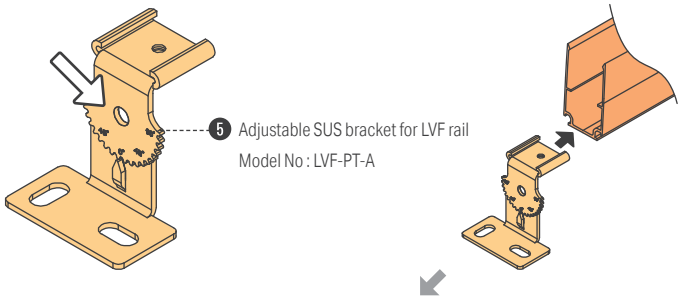
LED fixture length (mm)	Glare cut shield, Glare cut shield & silicon length (mm)
125	135
250	260
375	385
500	510
625	635
750	760
875	885
1000	1010

Caution:

Do not bend rail and shield separately as it make installation difficult and may cause shield to fall off rail.

Installation of adjustable brackets on bendable rail

Determine the angle of the adjustable bracket and tighten the screw at the arrow. → Slide the adjustable bracket on the bendable rail as shown by the arrow to attach it.



5 Adjustable SUS bracket for LVF rail

Model No : LVF-PT-A

Rail length for each LED fixture length, number of adjustable brackets, mounting pitch, The recommended number of installations is as follows.

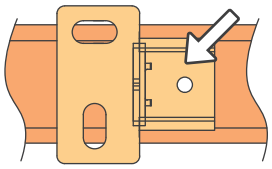
LED fixture length (mm)	Rail length (mm)	Number of adjustable brackets	Mounting pitch (mm)
125	30	1	-
250	158	2	128
375	286	2	192
500	414	3	192
625	542	3	224
750	670	4	224
875	798	5	192
1000	926	5	224

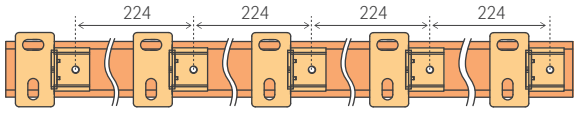
Caution:

Do not bend bendable rail before inserting adjustable bracket.
Otherwise, it is difficult to insert and may cause adjustable bracket to fall off.
Make sure to firmly fasten screw for angle and joint screw to avoid falling off and misalignment.

Tighten the screw indicated by the arrow from the underside of adjustable bracket to fix adjustable bracket to bendable rail.

Adjustable bracket, bendable rail seen from below





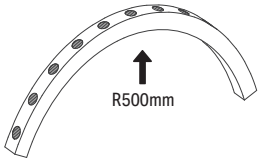
Example: When LED fixture L = 1000 and rail L = 926

Caution:

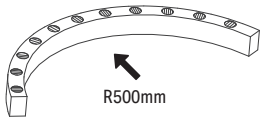
LED fixture and parts have bending tolerances.
Do not bend and install the LED fixture less than the following minimum bending radius as it will cause damage and malfunctions.

LED fixture

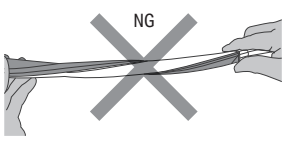
Top bend: min. R 500mm



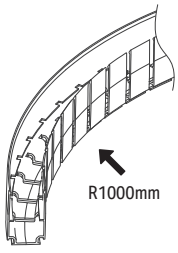
Side bend: min. R 500mm



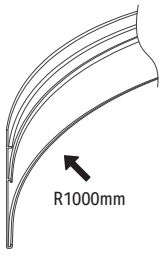
Twist



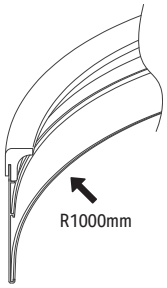
Bendable rail



Glare cut shield

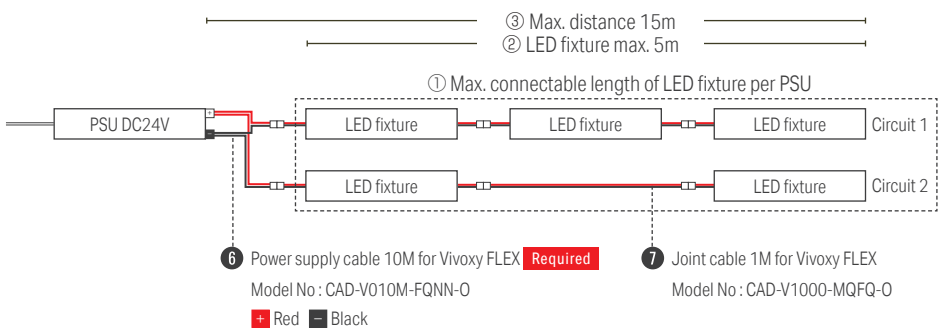


Glare cut shield with silicone



Luci Vivoxy FLEX IP67

System configuration diagram



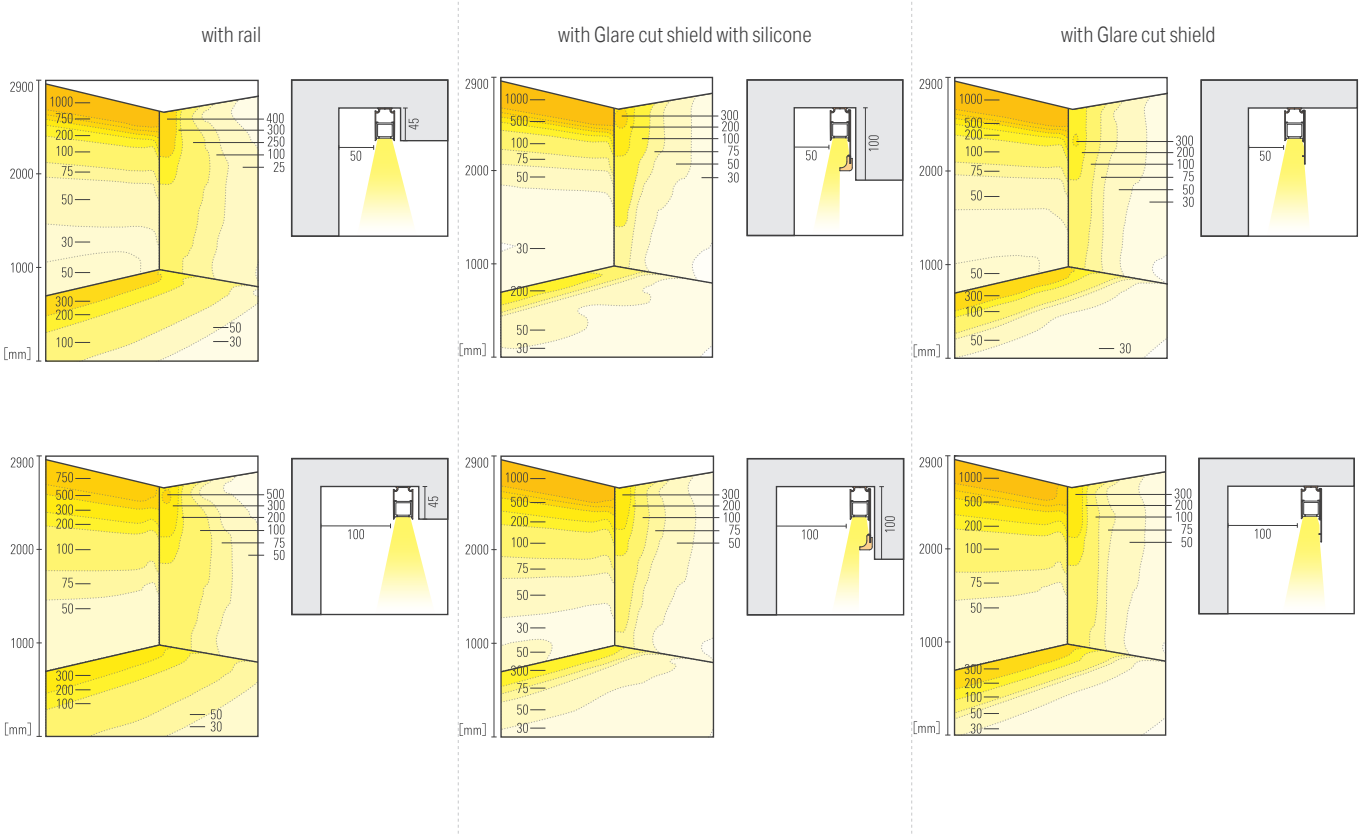
① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

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)

Illumination distributions reference

LVF40-1000W-L30-SP2-O-24-*

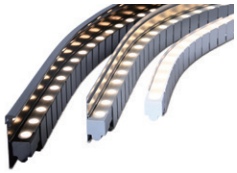


Photometric data

CCT code	Value	24 W/m								
		SP2 (22°×35°)			35 (35°)			50 (50°)		
		With rail	With glarecut shield silicone	With glarecut shield	With rail	With glarecut shield silicone	With glarecut shield	With rail	With glarecut shield silicone	With glarecut shield
D	lm/m	1,844	1,558	1,701	1,917	1,622	1,740	1,888	1,674	1,704
	CBCP(cd)	2,603	1,878	2,728	2,556	1,692	2,413	1,245	1,157	1,434
N	lm/m	1,970	1,664	1,817	2,048	1,732	1,858	2,017	1,788	1,821
	CBCP(cd)	2,781	2,007	2,915	2,731	1,807	2,578	1,523	1,236	1,532
W	lm/m	1,587	1,341	1,464	1,651	1,396	1,497	1,626	1,441	1,467
	CBCP(cd)	2,241	1,617	2,348	2,200	1,456	2,077	1,227	996	1,234
WW	lm/m	1,880	1,588	1,734	1,954	1,653	1,773	1,925	1,706	1,737
	CBCP(cd)	2,653	1,915	2,781	2,605	1,724	2,460	1,453	1,179	1,462
L30	lm/m	1,614	1,363	1,488	1,678	1,419	1,522	1,652	1,465	1,491
	CBCP(cd)	2,278	1,644	2,387	2,236	1,480	2,112	1,247	1,012	1,255
L27	lm/m	1,605	1,356	1,481	1,669	1,412	1,514	1,644	1,457	1,484
	CBCP(cd)	2,266	1,635	2,375	2,225	1,473	2,101	1,240	1,007	1,248
L22	lm/m	1,563	1,320	1,442	1,625	1,374	1,474	1,600	1,419	1,444
	CBCP(cd)	2,206	1,592	2,312	2,166	1,434	2,045	1,208	980	1,215

Note: The estimated value of 16 W/m is 67% of 24 W/m.

Illuminance data

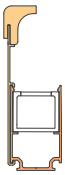


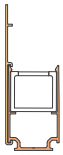
LVF40
Luci Vivoxy FLEX

Color temparature

6500K 5000K 4200K 3500K 3000K 2700K 2200K

with rail

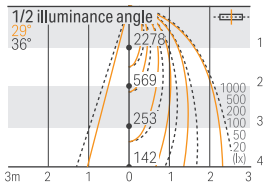

with Glare cut shield with silicone


with Glare cut shield

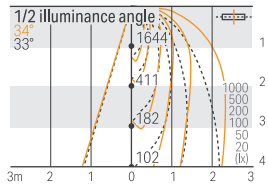
24W

LVF40-1000W-L30-SP2-O-24-W

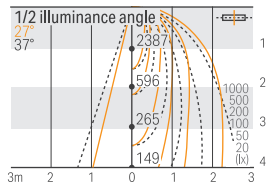
Light source color	3000 K
Brightness	2278 cd
Luminous flux	1614 lm
Color rendering index	Ra 92



3000 K
1644 cd
1363 lm
Ra 92

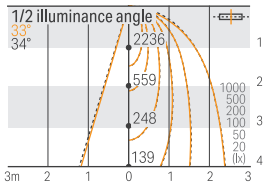


3000 K
2387 cd
1489 lm
Ra 92

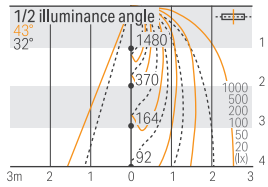


LVF40-1000W-L30-35-O-24-W

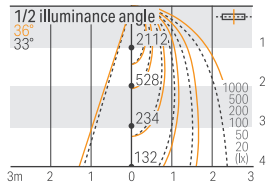
Light source color	3000 K
Brightness	2236 cd
Luminous flux	1678 lm
Color rendering index	Ra 92



3000 K
1480 cd
1419 lm
Ra 92

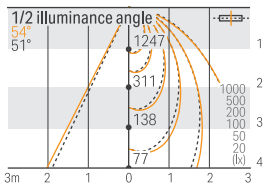


3000 K
2112 cd
1523 lm
Ra 92

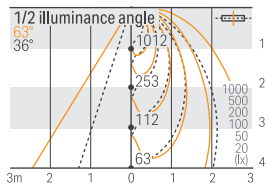


LVF40-1000W-L30-50-O-24-W

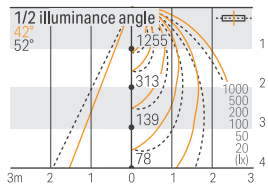
Light source color	3000 K
Brightness	1247 cd
Luminous flux	1653 lm
Color rendering index	Ra 92



3000 K
1012 cd
1465 lm
Ra 92



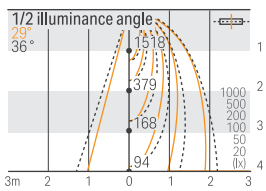
3000 K
1255 cd
1492 lm
Ra 92



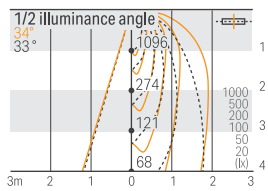
16W

LVF40-1000W-L30-SP2-O-16-W

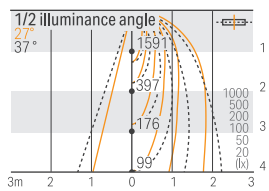
Light source color	3000 K
Brightness	1518 cd
Luminous flux	1076 lm
Color rendering index	Ra 92



3000 K
1096 cd
1364 lm
Ra 92

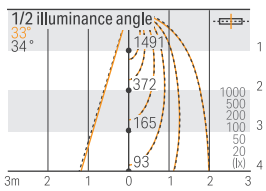


3000 K
1591 cd
993 lm
Ra 92

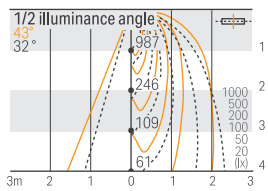


LVF40-1000W-L30-35-O-16-W

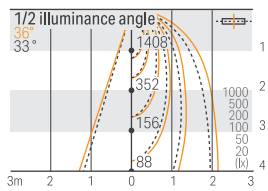
Light source color	3000 K
Brightness	1491 cd
Luminous flux	1119 lm
Color rendering index	Ra 92



3000 K
987 cd
946 lm
Ra 92

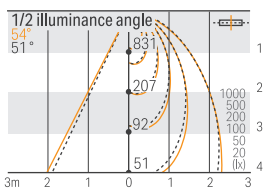


3000 K
1408 cd
1015 lm
Ra 92

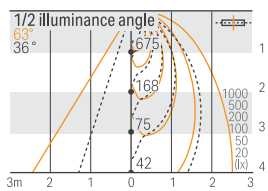
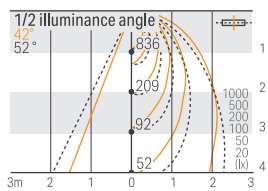


LVF40-1000W-L30-50-O-16-W

Light source color	3000 K
Brightness	831 cd
Luminous flux	1102 lm
Color rendering index	Ra 92



3000 K
675 cd
977 lm
Ra 92



3000 K
836 cd
995 lm
Ra 92