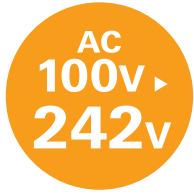
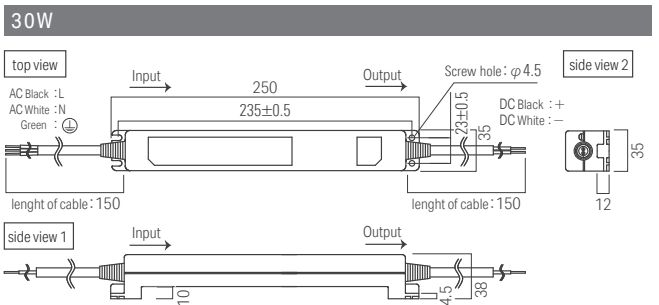
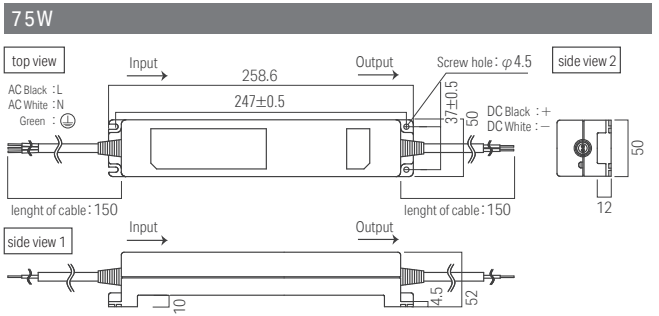
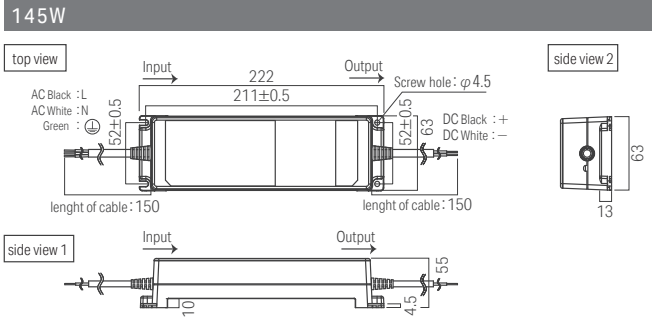


LPSOL-145/075/030

Luci ORILEGA 145W/75W/30W 24V



External dimensions



LPSOL - [] - 24 - ND - I

Product Name	Rated output power	Output DC voltage	Dimming type	Environment
LPSOL	145: 145W 075: 75W 030: 30W	24: 24V	ND: Non dim	I: Indoors

Certification

- PSE (AC100 ~242V)
- CE
- CCC
- RoHS
- IEC61000-3-2 Class C
- CISPR11, CISPR15
- JIS C 8115 Sound level requirement

Specification

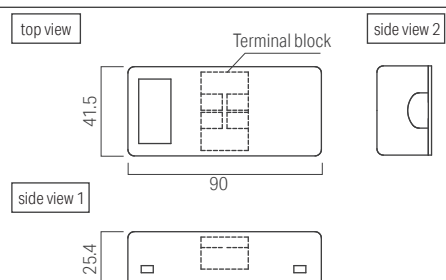
	145W	75W	30W	
Model No.	LPSOL-145-24-ND-I	LPSOL-075-24-ND-I	LPSOL-030-24-ND-I	—
AC input voltage range	85~264 VAC			—
Classification	Constant Voltage			—
Output DC voltage	DC24V			—
Rated output power	145W	75W	30W	—
Recommended maximum loading	105W	52.5W	21W	70% loading recommended
Ripple voltage	Less than 50mV			Less flickering
Temperature protection	Device stop functioning when ambient temperature is over 80°C			Safety design
Material of outer case	Polycarbonate (UL94-V0 : Self-extinguishing)			Prevention of electric shock and short circuit
Form of outer case 1	PC isolated case			—
Form of outer case 2	Equipped with raised base			—
Input method	Black(L), White(N), Green (Earth)			Prevention of electric shock and short circuit
Output method	Black(DC+), White(DC-)			—
Dimming	Dimmer driver is needed for dimming usage (Low noise type)			Decrease noise during dimming
Dimension W×H×D	63 × 55 × 222 mm	50 × 52 × 258.6 mm	35 × 38 × 250 mm	—
Weight *Excluding packing material	580g	455g	215g	—
Output extension length	VCTF0.75sq : 20m VCTF1.25sq : 30m			—
Environment	Indoors (no condensation)			—
Option parts	Terminal block for Output side			—

Characteristic table			145W			75W			30W				
category	ITEM	conditions	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	Unit	
Input	Current	AC100V	1.5	1.6	1.7	0.85	0.9	1.00	0.36	0.4	0.42	A	
		AC220V	0.75	0.8	0.83	0.45	0.5	0.55	0.18	0.2	0.22	A	
		AC240V	0.60	0.67	0.71	0.38	0.4	0.42	0.15	0.16	0.17	A	
	Frequency	—	47	—	63	47	—	63	47	—	63	Hz	
	Efficiency	AC100V	83	85	86	82	83	84	81	82	83	%	
		AC220V	86	88	90	83	84	85	83	84	85	%	
		AC240V	86	89	90	83	84	85	83	84	85	%	
	Power Factor	AC100V	0.99	1.00	1.00	0.99	1.00	1.00	0.99	1.00	1.00	—	
		AC220V	0.95	0.96	0.97	0.95	0.97	0.98	0.96	0.97	0.98	—	
		AC240V	0.93	0.94	0.95	0.93	0.95	0.96	0.95	0.96	0.97	—	
	Inrush Current	AC100V	35	40	45	25	30	40	10	15	20	A	
		AC220V	35	40	45	25	30	40	25	30	40	A	
		AC240V	35	40	45	25	30	40	25	30	40	A	
	Leakage Current	AC100V	0.4	0.6	1.0	0.3	0.5	0.7	0.3	0.5	0.7	mA	
		AC220V	0.4	0.6	1.0	0.3	0.5	0.7	0.3	0.5	0.7	mA	
		AC240V	0.4	0.6	1.0	0.3	0.5	0.7	0.3	0.5	0.7	mA	
	Output	Voltage	—	23	24	25	23	24	25	23	24	25	V
		Current	—	—	6.1	6.1	—	3.125	3.125	—	1.25	1.25	A
Rated output power		—	—	145	—	—	75	—	—	30	—	W	
Ripple		0-+50℃	30	45	50	30	45	50	30	45	50	mVp-p	
Start-UP time		AC100V	1000	1100	1200	600	800	1500	600	800	1500	ms	
		AC240V	700	800	900	500	600	1000	500	600	1000	ms	
Hold - UP time	—	—	20	—	—	20	—	—	20	—	ms		
Protection	over current protection	—	6.365	6.700	7.035	3.5	3.8	3.9	1.6	1.8	1.9	A	
	over voltage protection	—	34	37	40	34	37	40	34	37	40	V	
	short - circuit protection	—	Auto-recovery									—	
	overheat protection	—	Auto-recovery									—	
Others	operating indication	—	Green LED									—	
Isolation	In - Out	—	3750V/ac 1min									—	
	In - Earth	—	1875V/ac 1min									—	
	Out - Earth	—	500V/ac 1min									—	
Environment	Operating temp	—	0	—	50	0	—	50	0	—	50	℃	
	Operating humid	—	20	—	90	20	—	90	20	—	90	%RH	
	Storage temp	—	-20	—	70	-20	—	70	-20	—	70	℃	
	Storage humid	—	10	—	90	10	—	90	10	—	90	%RH	
	vibration	—	Frequency 500times to 800 times per minute Double amplitude 2mm to 3 mm Test time: 5 minutes / cycle Performed up to 10 cycles									—	

Option parts

Terminal block for Output side
Model No. : LBX-01

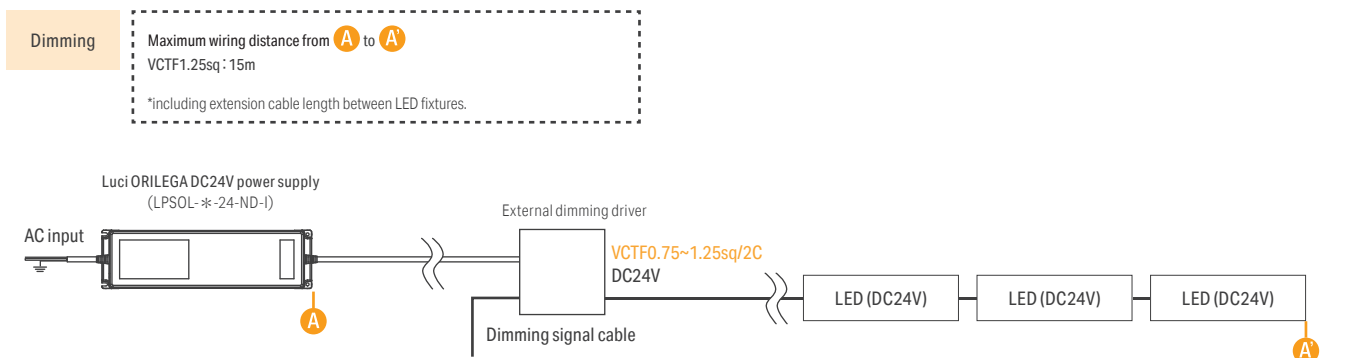
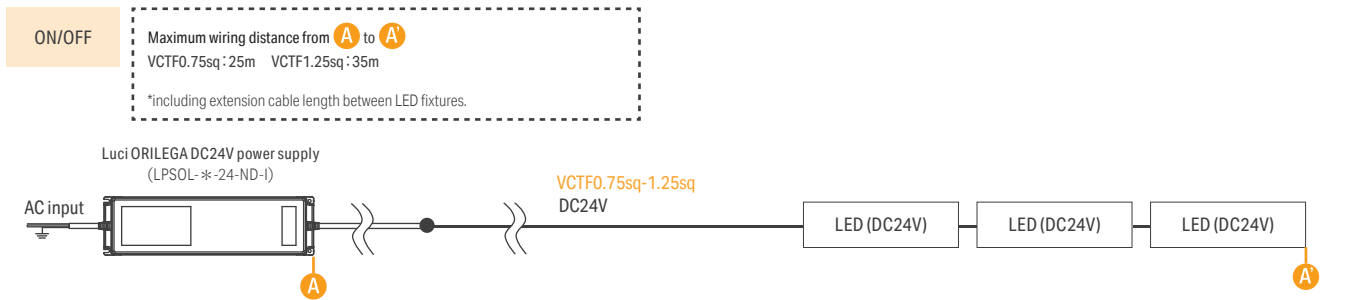
Easy output side connection
Output box with built-in terminal block
Output branch (3 branch)



Dimmer & Power supply

Installation Guide

System configuration diagram



Connectable length for ORILEGA Series

Product Name	Model No.	Output DC24V	Max. length per circuit (m)	Connectable length per one driver (m) *: split into multiple circuits		
				145W	75W	30W
				LPSOL-145-24-ND-I	LPSOL-075-24-ND-I	LPSOL-030-24-ND-I
UQ FLEX / UQ FLEX α (15W)	LFU/LFUA-T1000WS- * -DF-I/O-15	15.8W/m	10.0 m	6.4m*	3.3m	1.3m
UQ FLEX / UQ FLEX α (12W)	LFU/LFUA-T1000WS- * -DF-I/O-12	12.6W/m	10.0 m	8.4m*	4.3m	1.7m
UQ FLEX / UQ FLEX α (8W)	LFU/LFUA-T1000WS- * -DF-I/O-8	8.4W/m	10.0 m	12.6m*	6.5m*	2.6m
Power FLEX EX 15mm pitch	LFPEX15-T1000W- * -CL- I/O	18.2W/m	5.0 m(l) / 3.5 m(O)	5.6m*	2.9m	1.2m
Power FLEX EX 20mm pitch	LFPEX20-T1000W- * -CL- I/O	12.1W/m	5.0 m	8.4m*	4.3m	1.7m
Power FLEX EX 30mm pitch (9.5W)	LFPEX30-T1000W- * -CL- I/O -9	9.5W/m	5.0 m	10.7m*	5.5m*	2.2m
Power FLEX EX 30mm pitch (6.5W)	LFPEX30-T1000W- * -CL- I/O -6	6.5W/m	5.0 m	15.6m*	8.1m*	3.2m
Power FLEX EX 30mm pitch (4.5W)	LFPEX30-T1000W- * -CL- I/O -4	4.5W/m	5.0 m	22.6m*	11.7m*	4.7m
Power FLEX Spect C 20mm pitch	LFPSC20-1000- * -CL-I	14.4W/m	5.0 m	7.0m*	3.6m	1.4m
Power FLEX 15mm pitch	LFP15-T0900W- * -CL- I/O	15.4W/m	4.5 m	6.6m*	3.4m	1.4m
Power FLEX 20mm pitch	LFP20-T1000W- * -CL- I/O	10.5W/m	5.0 m	9.7m*	5.0m	2.0m
Flat FLEX F / FLEX α F 10mm pitch	LFTF10 or LFXF10-T1000W- * -CL- I/O	3.9W/m	5.0 m	26.0m*	13.5m*	5.4m*
Flat FLEX F 16mm pitch	LFTF16-1000- * -CL- I/O	2.5W/m	5.0 m	40.6m*	21.0m*	8.4m*
Power FLEX α 20mm pitch	LFPA20-0960- * -CL- I	10.4W/m	5.0 m	9.8m*	5.0m	2.0m
RECTA	LRE-1003- * -DF-I	31.2W/m	3.3 m	3.3m	1.7m	0.7m
Creide lens / Creide F	LCEL or LCEF-0880- * -DF-I	20.6W/m	5.0 m	4.9m	2.5m	1.0m
silux K / silux wide K (13.1W)	LSXWK or LSXK-1008- * -DF-I-13	13.1W/m	6.0 m	7.7m*	4.0m	1.6m
silux K / silux wide K (8.1W)	LSXWK or LSXK-1008- * -DF-I-8	8.1W/m	6.0 m	12.5m*	6.4m	2.5m
silux K / silux wide K (4.3W)	LSXWK or LSXK-1008- * -DF-I-4	4.3W/m	6.0 m	23.6m*	12.2m*	4.8m
nano line	LNL-0984- * -DF-I	7.2W/m	5.0 m	14.1m*	7.3m*	2.9m
Vivox FLEX IP67 (24W)	LVF40-1000W-**-O-24-*	24W/m	5.0 m	1.4m	2.9m	4.3m
Vivox FLEX IP67 (16W)	LVF40-1000W-**-O-16-*	16W/m	5.0 m	2.1m	4.37m	6.5m*
UQ FLEX Sauna	LFUS-T1000WS-L27-DF-O	5.1W	5.0 m	6.0m*	12.0m*	17.5m*
EFRO IP65	LRO-0862- * -DF-IW	8.4W/m	4.5 m	12.1m*	6.3m*	2.5m
Power LEDs Line IP65	L-ELA9K2-096***-24C-P	19.9W/m	9.0 m	5.1m	2.6m	1.1m
LEDs Bar IP65	L-ELS7K1-098**-24	7.8W/m	6.9 m	13.0m*	6.7m	2.7m
LEDs Line Hi IP67	L-ELR9K2-098**M-24	7.8W/m	6.9 m	13.0m*	6.7m	2.7m

*Split into multiple circuit

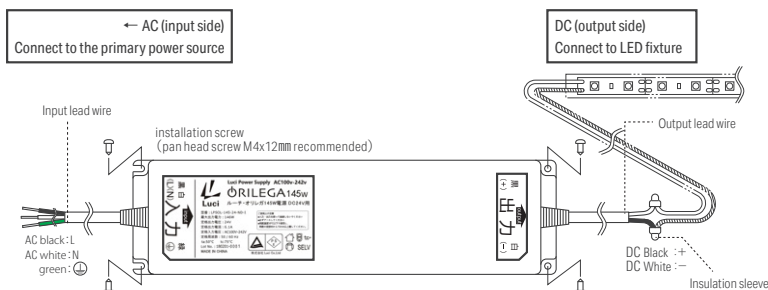
*Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

Wire connection methods

Warning

Do not perform installation/ removal work while power on. Otherwise, an electric shock may occur.

- Make sure the place of installation has enough strength to hold the weight of the device.
 - Make sure the LED fixture meets the specification of this device.
 - Connect ACL wire (black) of the device to Live, ACN wire (white) of the device to Neutral, FG wire (green) of the device to .
- Caution: Improper connection may cause smoking, fire, electric leakage, ground fault or electric shock.
- Connect the wires of LED fixture to DC black (+) and DC white (-) wires of the device correspondingly.
- Note: For the procedure of connecting LED fixture, please refer to the instruction manual of each product.
- Check the strength of the place to install before screwing.
 - Screws are not attached.
 - Once all installation processes are completed, turn on the power and make sure the LED fixture lights up.

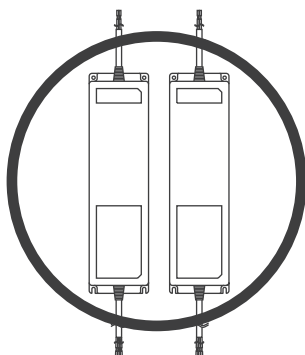
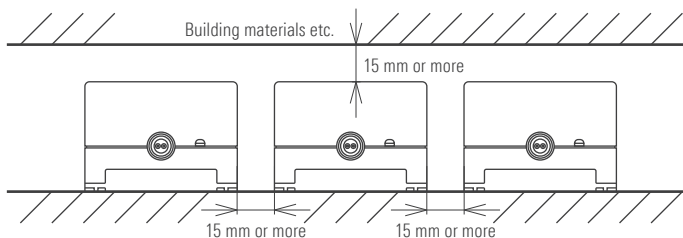


Cautions

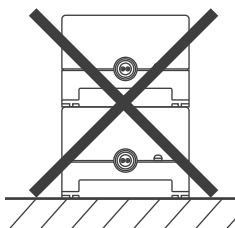
- If connect AC main power to the DC output side, the device get damage instantly.
- Please ensure to connect the device to ground in order to protect from electric shock or devices from getting damaged by external noise.

Installing the product

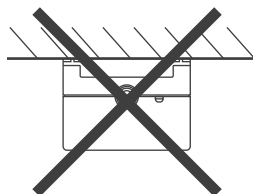
- When installing this product, please make sure to use screws (round head screw M4 x 12mm or longer is recommended) and fix tightly.
- To avoid being shortened lifetime of the device,
 - Do not stack the device on top of each,
 - Do not install the device by turning inside out or by upside down
 - Do not install multiple devices horizontally in parallel on a wall surface.
- Check the strength of the place to install before screwing.
- Screws are not attached.



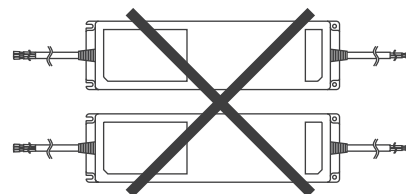
- It is possible to set up multiple devices in parallel on the wall if they are in vertical orientation!



Do not stack the devices!



Do not install upside down on the ceiling surface!



Do not install multiple devices in parallel if they are in horizontal orientation!

Maintenance and Inspection

- This product has a life span.
- Degradation occurs inside after 8-10 years of installation even when the device looks fine from the outside.
- Parts of the product degrade due to heat when using for a long period. This causes not only safety issues, but also reduces power efficiency and it is recommended to have regular maintenance and inspection.
- Life cycle of the product will be shorter in high ambient temperature or in the use for a long period.
- Cleaning and inspection should be performed at least once every 6 months.
- Inspection by a specialist, such as a product contractor, should be performed at least once every 3 years.
- If the product is used for a long time without having an inspection, there is a small possibility that it could lead to fuming, igniting, electric shock and the like.

Inspection Methods

- Is the output verification indicator (LED-green: located at the side of the lead-wire on output side) turned on?
- Are output voltage and output current in normal conditions?
- Is there any coloring/ fall-off/ abnormal heat build-up at wiring connection part?
- Is there any unusual smell, sound or heat?
- Are there any cracks, splits, or detached parts on any parts or joints?

Cleaning Method

- Turn off the power before cleaning the device.
- Lightly wipe this product with a soft cloth.
- To best clean this product, wipe dirt with a soft cloth which has been soaked in a neutral detergent diluted with water and wrung firmly. To finish off, wipe it with a damp cloth and dry it.