



LUCOLED POWER SUPPLIES AND CONTROLS



- Up to 7 years warranty
- Wide Voltage Input
- OVP, OCP, SCP, OTP protection function
- IP67 / IP68 Rating
- Class 2 (PPXS, PPDS)
- Class II (PPM)
- Dim option (PPDS)

Lucoled offers a full range of Premium Power Supplies. The various power options help you to match the installed power capacity to the total power used by your LED installation.

Lucoled Premium Power Supplies are designed and tested for safety, long life and reliability.

All power supplies are designed for outdoor use and carry all required international agency markings.

SPECIFICATIONS **NEW** 12V POWER SUPPLIES

Output Voltage	12V
Working temperature range	-40°C~+55°C
Input Voltage Range	100VAC~240VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage and Over-Temperature protection
IP Rating	IP68
MTBF	40Khrs. MIL-HDBK-217F(25°C)
Warranty	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
VP1260	5A	60W	≤0.8A	≥84%	186x40x29mm	0.55kg
VP12100	8.33A	100W	≤1.22A	≥90%	163x68x37mm	0.69kg
VP12150	12.5A	150W	≤1.81A	≥90%	185x68x37mm	0.79kg
VP12240	20A	240W	≤2.93A	≥90%	217x68x37mm	0.98kg
VP12400	33.33A	400W	≤4.87A	≥92%	251x86x42mm	1.66kg



SPECIFICATIONS **NEW** 24V POWER SUPPLIES

Output Voltage	24V
Working temperature range	-40°C~+55°C
Input Voltage Range	100VAC~240VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage and Over-Temperature protection
IP Rating	IP68
MTBF	40Khrs. MIL-HDBK-217F(25°C)
Warranty	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
VP2460	2.5A	60W	≤0.8A	≥84%	186x40x29mm	0.55kg
VP24100	4.17A	100W	≤1.22A	≥92%	163x68x37mm	0.69kg
VP24150	6.25A	150W	≤1.81A	≥93%	185x68x37mm	0.79kg
VP24240	10A	240W	≤2.93A	≥92%	217x68x37mm	0.98kg
VP24400	16.67A	400W	≤4.87A	≥93%	251x86x42mm	1.66kg



Important:

- Luccoled recommends loading power supplies up to 90% of their maximum listed capacity.
- Select a power supply for your installation loaded at more than 50% of its maximum load to meet Power Factor regulations.
- Install with adequate ventilation and not in direct sunlight.
- Power supplies to be installed by trained and certified staff.

SPECIFICATIONS 12V/24V MINI, DOUBLE-ISOLATED CLASS II, POWER SUPPLIES

Output Voltage	12V/24V
Working temperature range	-40°C~+65°C
Input Voltage Range	120VAC~270VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage protection
IP Rating	IP67
MTBF	≥70000hrs. MIL-HDBK-217F (25°C)
Warranty	5 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPM1260	5,0 A	60W	0.65 A/120 VAC - 0.35 A/270 VAC	≥90%	157x23x20mm	0,25kg
PPM12100	8.0 A	100W	1.1 A/120 VAC - 0.55 A/270 VAC	≥92%	157x29x20mm	0,3kg
PPM2460	2.5 A	60W	0.65 A/120 VAC - 0.35 A/270 VAC	≥90%	157x23x20mm	0,25kg
PPM24100	4.0 A	100W	1.1 A/120 VAC - 0.55 A/270 VAC	≥92%	157x29x20mm	0,3kg



IP67



SPECIFICATIONS SLIM SHORT POWER SUPPLIES

Output Voltage	12V
Working temperature range	-25°C~+45°C
Input Voltage Range	200VAC~240VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage protection
IP Rating	IP67
MTBF	≥50000hrs. MIL-HDBK-217F(25°C)
Warranty	7 Years, first 2 years extended.

Code	Output Voltage	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPXS1230	12 V	2.5A	30W	0.22A/200-240VAC	≥85%	186x35x20mm	0,28kg
PPXS1260	12 V	5A	60W	0.38A/200-240VAC	≥87%	186x35x20mm	0,28kg
PPXS12100	12 V	8.3A	100W	0.7A/200-240VAC	≥90%	228x35x20mm	0,34kg
PPXS12150	12 V	12.5A	150W	0.8A/200-240VAC	≥90%	233x45x23mm	0,39kg
PPXS2430	24 V	1.25A	30W	0.22A/200-240VAC	≥85%	186x35x20mm	0,28kg
PPXS24100	24 V	4.2A	100W	0.7A/200-240VAC	≥90%	228x35x20mm	0,34kg
PPXS24150	24 V	6.25A	150W	0.8A/200-240VAC	≥90%	233x45x23mm	0,39kg



IP68



SPECIFICATIONS 12V SLIM DIMMABLE POWER SUPPLIES

Output Voltage	12V/24V-25°C~+45°C
Working temperature range	200VAC~240VAC
Input Voltage Range	50~60Hz
Input Frequency Range	Over-Current, Short-Circuit, Over Voltage protection
Protective Characteristics	IP67
IP Rating	≥50000hrs. MIL-HDBK-217F(25°C)
MTBF	7 Years
Warranty	0=10 V, PWM, Resistance
Dim Input (0-100%)	

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPDS12100	4.16A	100W	0.7A/200-240VAC	≥90%	258x35x20mm	0,40kg
PPDS24100	2.08A	100W	0.7A/200-240VAC	≥90%	258x35x20mm	0,40kg

SPECIFICATIONS MANUAL EXTERNAL DIMMING OPTION

Input/Output Voltage	12V – 24V
Working temperature range	0°C~+45°C
Output Current Max Range	8 A
IP Rating	IP20
Warranty	3 Years
Dimming Method (0-100%)	PWM

Code	Output Current	Output Power 12 V	Output Power 24 V
DIM-PS	8 A	96 W	192 W



Important:

- Lucoled recommends loading power supplies up to 90% of their maximum listed capacity.
- Select a power supply for your installation loaded at more than 50% of its maximum load to meet Power Factor regulations.
- Install with adequate ventilation and not in direct sunlight.
- Power supplies to be installed by trained and certified staff.

SPECIFICATIONS RF RGB(W) & DIM CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output	Output Current	Output Power 12 V	Output Power 24 V
LTECH-M3/M3-3A	RGB	3x3 A	108 W	216 W
LTECH-M6/M3-3A	RGB	3x3 A	108 W	216 W
LTECH-M4/M4-5A	RGBW	4x5 A	144 W	288 W
LTECH-M8/M4-5A	RGBW	4x5 A	144 W	288 W
LTECH-M1/M3-3A	MONO	3x3 A	108 W	216 W



SPECIFICATIONS DMX RGBW & DIM CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V
LTECH-EX1S	DMX	Touch Panel	Manual			
LTECH-EX4S	DMX	Touch Panel	Manual			
LTECH-UX8	DMX	Touch Panel 4 Zones	Manual/WIFI/RF			
LTECH-LM-150-12-G1M2	12 V	Power Supply	DMX	12.5 A	150 W	-
LTECH-LM-150-24-G1M2	24 V	Power Supply	DMX	6.25 A	-	150 W
LC-DMX-4CH-WP	RGBW	IP67 Controller	DMX	4x5 A	240W	480W
LC-DMX-4CH	RGBW	Controller	DMX	4x8 A	384W	768W



SPECIFICATIONS WIFI RGBW CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V
LTECH-WIFI-101	DMX	Controller	WIFI (APP)			
LTECH-WIFI-104	RGBW	Controller	RF/WIFI	4x4 A	192 W	384 W
LTECH-WIFI-106	RGBW	Controller	RF/WIFI	4x4 A	192 W	384 W
LTECH-F4-5A	RGBW	Receiver	RF (WIFI-106/F1/F4)	4x5 A	240 W	480 W
LTECH-R4-5A	RGBW	Receiver	RF (WIFI-104)	4x5 A	240 W	480 W
LTECH-EBOX-DMX	DMX	Bridge	RF (WIFI-106)			
LTECH-V3	RF	Remote				
LTECH-F1 DIM	RF	Remote				
LTECH-F4 RGBW	RF	Remote				
LTECH-Q4 RGBW	RF	Remote				
LC-RF-4CH-WP	RGBW	IP67 Controller	RF	4x5 A	240 W	480 W
LC-RFWIFI-4CH	CCT/RGBW	IP20 Controller	RF/WIFI	4x5A	240 W	480 W
LC-RF-REMOTE	RF	Remote				
LC-RF-DIMMER	RF	Remote				
LC-RF-CT	RF	Remote				



SPECIFICATIONS 4 IN 1 CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

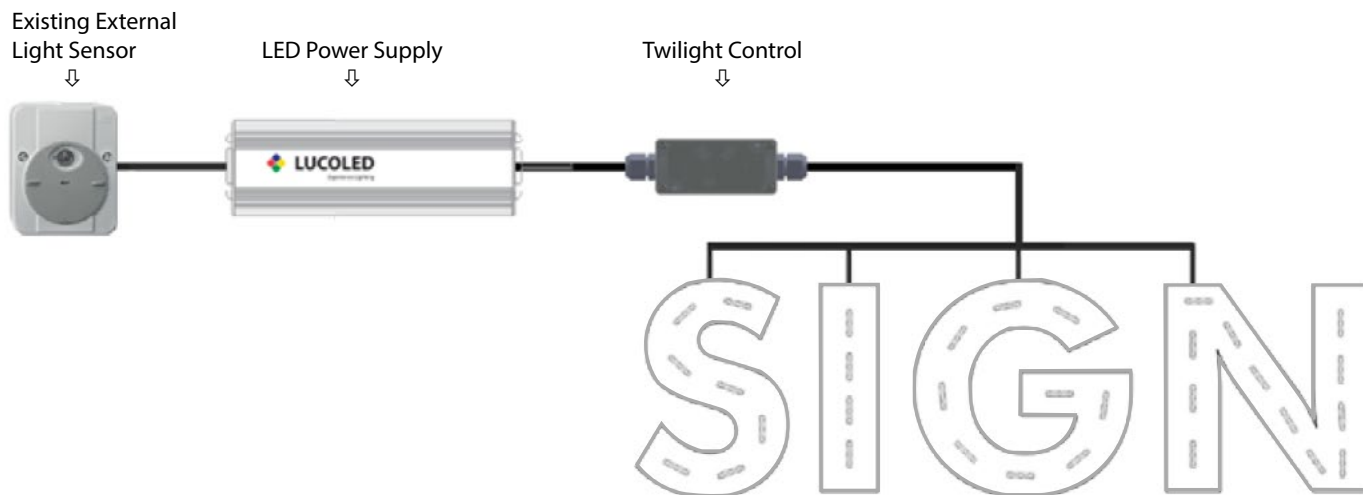
Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V	Output Power 48 V
LC-DIM-4IN1	MONO	4 in 1 Controller	0-10V /DALI-2 / Push / Phase Cut	2x10A (20A)	240 W	480 W	960 W



SPECIFICATIONS TWILIGHT CONTROL OPTIONS

Input/Output Voltage	12V – 48V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output	Output Power 12 V	Output Power 24 - 48 V
LC-TWILIGHT	PWM	120 W	240 W



SPECIFICATIONS 1-10V CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output		Output Current	Output Power 12 V	Output Power 24 V
LTECH-E610	1-10 V	Knob Panel	-	-	-
LTECH-LM-75-12-G1A2	12 V	Power Supply	6.25 A	75 W	-
LTECH-LM-150-12-G1A2	12 V	Power Supply	12.5 A	150	-



SPECIFICATIONS DALI CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V
LTECH-LM-150-24-G1D2	24 V	Power Supply	DALI	12.5 A	-	150 W
LTECH-LM-75-12-G1D2	12 V	Power Supply	DALI	6.25 A	75 W	-
LTECH-LM-75-24-G1D2	24 V	Power Supply	DALi	6.25 A	-	75 W

