



## LUCOLED POWER SUPPLIES AND CONTROLS

- *Up to 7 years warranty*
- *Wide Voltage Input*
- *OVP, OCP, SCP, OTP protection function*
- *IP67 / IP68 Rating*
- *Class 2 (PP, PPS, PPXS, PPDS)*
- *Class II (PPM, PPS1260CLII)*
- *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 12V POWER SUPPLIES

<b>Output Voltage</b>	12V
<b>Working temperature range</b>	-40°C~+65°C
<b>Input Voltage Range</b>	100VAC~240VAC
<b>Input Frquency Range</b>	50~60Hz
<b>Protective Characteristics</b>	Over-Current, Short-Circuit, Over Voltage and Over-Temperature protection
<b>IP Rating</b>	IP68
<b>MTBF</b>	≥70000hrs. MIL-HDBK-217F(25°C)
<b>Warranty</b>	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PP1260	5A	60W	0.65A/115V - 0.35A/230V	≥86%	184x44x34mm	0,52kg
PP12100	8.33A	100W	1.1A/115V - 0.55A/230V	≥90%	204x67x35mm	0,88kg
PP12150	12.5A	150W	1.6A/115V - 0.8A/230V	≥92%	234x68x35mm	1kg
PP12200	16A	200W	2.8A max	≥88%	295x60x36mm	1,1kg

## SPECIFICATIONS 24V POWER SUPPLIES

<b>Output Voltage</b>	24V
<b>Working temperature range</b>	-40°C~+65°C
<b>Input Voltage Range</b>	100VAC~240VAC
<b>Input Frquency Range</b>	50~60Hz
<b>Protective Characteristics</b>	Over-Current, Short-Circuit, Over Voltage and Over-Temperature protection
<b>IP Rating</b>	IP68
<b>MTBF</b>	≥70000hrs. MIL-HDBK-217F(25°C)
<b>Warranty</b>	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PP2430	1.25A	30W	0.35A/115V - 0.19A/230V	≥84%	187x41x29mm	0,5kg
PP2460	2.5A	60W	0.65A/115V - 0.35A/230V	≥87%	184x44x34mm	0,52kg
PP24100	4.16A	100W	1.1A/115V - 0.55A/230V	≥92%	204x67x35mm	0,88kg
PP24150	6.25A	150W	1.6A/115V - 0.8A/230V	≥93%	234x68x35mm	1kg
PP24200	8.34A	200W	2.8A max	≥90%	250x70x36mm	1kg



## SPECIFICATIONS 12V SLIM CLASS II POWER SUPPLIES

<b>Output Voltage</b>	12V
<b>Working temperature range</b>	-25°C~+45°C
<b>Input Voltage Range</b>	200VAC~240VAC
<b>Input Frquency Range</b>	50~60Hz
<b>Protective Characteristics</b>	Over-Current, Short-Circuit, Over Voltage protection
<b>IP Rating</b>	IP67
<b>MTBF</b>	≥50000hrs. MIL-HDBK-217F(25°C)
<b>Warranty</b>	7 Years
<b>Isolation</b>	Double-Isolated CLASS II

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPS1260CLII	5A	60W	0.38A/200-240VAC	≥87%	295x35x20mm	0,42kg



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

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

<b>Output Voltage</b>	24V
<b>Working temperature range</b>	-25°C~+45°C
<b>Input Voltage Range</b>	200VAC~240VAC
<b>Input Frequency Range</b>	50~60Hz
<b>Protective Characteristics</b>	Over-Current, Short-Circuit, Over Voltage protection
<b>IP Rating</b>	IP67
<b>MTBF</b>	≥50000hrs. MIL-HDBK-217F(25°C)
<b>Warranty</b>	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPS2460	2.5A	60W	0.38A/200-240VAC	≥87%	295x35x20mm	0,42kg

## SPECIFICATIONS SLIM SHORT POWER SUPPLIES

<b>Output Voltage</b>	12V
<b>Working temperature range</b>	-25°C~+45°C
<b>Input Voltage Range</b>	200VAC~240VAC
<b>Input Frequency Range</b>	50~60Hz
<b>Protective Characteristics</b>	Over-Current, Short-Circuit, Over Voltage protection
<b>IP Rating</b>	IP67
<b>MTBF</b>	≥50000hrs. MIL-HDBK-217F(25°C)
<b>Warranty</b>	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%	183x35x20mm	0,25kg
PPXS1260	12 V	5A	60W	0.38A/200-240VAC	≥87%	183x35x20mm	0,25kg
PPXS12100	12 V	8.3A	100W	0.7A/200-240VAC	≥90%	209x35x20mm	0,32kg
PPXS12150	12 V	12.5A	150W	1.6A/200-240VAC	≥90%	256x35x20mm	0,39kg
PPXS24100	24 V	4.2A	100W	0.7A/200-240VAC	≥90%	209x35x20mm	0,32kg



IP68



### 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 12V SLIM DIMMABLE POWER SUPPLIES

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

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

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

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



## SPECIFICATIONS RF RGB(W) & DIM CONTROL OPTIONS

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

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

Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V
LTECH-LT-820-5A	RGBW	Controller	DMX	4x5 A	240 W	480 W
LTECH-LT-851-6A	RGBW	Controller	DMX	3x6 A	216 W	432 W
LTECH-LT-811-12A	MONO	Controller	DMX	1x12A	144 W	288 W
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

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



## SPECIFICATIONS 4 IN 1 CONTROL OPTIONS

<b>Input/Output Voltage</b>	12V – 24V
<b>Working temperature range</b>	-30°C~+55°C
<b>IP Rating</b>	IP20
<b>Warranty</b>	5 Years
<b>Diming method (0-100%)</b>	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 1-10V CONTROL OPTIONS

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

Code	Output		Output Current	Output Power 12 V	Output Power 24 V
LTECH-E610	1-10 V	Knob Panel	-	-	-
LTECH-LT-701-6A	MONO	Dimmer	1x6 A	72 W	144 W
LTECH-LT-701-12A	MONO	Dimmer	1x12A	144 W	288 W
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

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

Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V
LTECH-LT-401-12A	MONO	Controller	DALI	1x12A	144 W	288 W
LTECH-LT-411-12A	MONO	Controller DIN rail	DALI	1x12A	144 W	288 W
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

