

LAA Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 94%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

Specifications

Maximum Output Power		40W	60W	80W	100W	120W	150W	185W	240W	320W
Voltage rating		100~277Vrms ±10% (90~305Vrms)								
Power factor (Typ.)		PF > 0.95 at max. load, 115Vrms/230Vrms								
Cold start Inrush current (Typ.)		50A	55A	70A	60A	60A	75A	75A	75A	70A
Operating temperature		- 40°C~+70°C (refer to output derating curve)								
Withstand voltage		I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac								
Input wire		(UL) SJTW 18AWG×3C (30cm)			(UL) SJTW 16AWG×3C (30cm),(PSE) HVCTF 1.25mm²×3C (30cm)					
Output wire	Type 0, A, D&S	(UL) SJTW 18AWG×2C (30cm)			(UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm²×2C (32cm)					
	Type B, C	(UL) SJTW 18AWG×2C (30cm) + SJTW 18AWG×2C (30cm)			(UL) SJTW 14AWG×2C (32cm), SJTW 18AWG×2C (32cm)					
Dimension		169 x 63 x 40 mm		193.5 x 63 x 40 mm	220 x 68 x 39 mm		228 x 68 x 39 mm		240.2 x 68 x 39 mm	252 x 90 x 43.8 mm
Weight		740 gram		790 gram	950 gram		1200 gram		1300 gram	1880 gram

Maximum Output Power	40W	60W	80W	100W	120W	150W	185W	240W	320W
Certificates									
				√	√	√	√	√	
	√	√	√	√	√	√	√	√	√
LPS	√	√	√	√					
LVLE/Output Voltage									
12V		n.a.		n.a.					
15V				n.a.	√				
20V				√	√				
24V				√	√	√	√		
27V	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	√	n.a.	n.a.
30V				√	√	√	√	√	
36V				√	√				
42V				√	√				
48V				√	√				
54V				√	√				

40W LAA-40 Series High Efficiency LED Power Supply

40W LAA-40 Series

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 89.5%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus E355634 FC LPS SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 50A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 18AWGx3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 18 AWG×2C (30cm) Type B, C: (UL) SJTW 18 AWG×2C (30cm) + SJTW 18 AWG×2C (30cm)
Mechanical	Dimension/weight	169 (L) x 63 (W) x 40 (H) mm, Weight : 740 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-40-12-XY	12V	10.8~13.5V	0~3.33A	2~3.33A	7.2~12V	86.5%
LAA-40-15-XY	15V	13.5~17V	0~2.67A	1.6~2.67A	9~15V	86.5%
LAA-40-20-XY	20V	17~22V	0~2A	1.2~2A	12~20V	88%
LAA-40-24-XY	24V	22~27V	0~1.67A	1~1.67A	14.4~24V	88%
LAA-40-30-XY	30V	27~33V	0~1.34A	0.8~1.34A	18~30V	88.5%
LAA-40-36-XY	36V	33~40V	0~1.12A	0.67~1.12A	21.6~36V	88.5%
LAA-40-42-XY	42V	38~46V	0~0.96A	0.58~0.96A	25.2~42V	88.5%
LAA-40-48-XY	48V	43~53V	0~0.84A	0.5~0.84A	28.8~48V	89.5%
LAA-40-54-XY	54V	49~58V	0~0.75A	0.45~0.75A	32.4~54V	89.5%

P/N Information:

LAA - 40 - V - X Y - 0 0 0 0 0 - □

40: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0=IP67 rated;

A=IP65 rated (V-Adjustable and I-Adjustable);

B=IP67 rated and built-in 3 in 1 dimming;

C=IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D=IP67 rated and Timer dimming;

S=IP67 rated and Smart Count Time dimming.

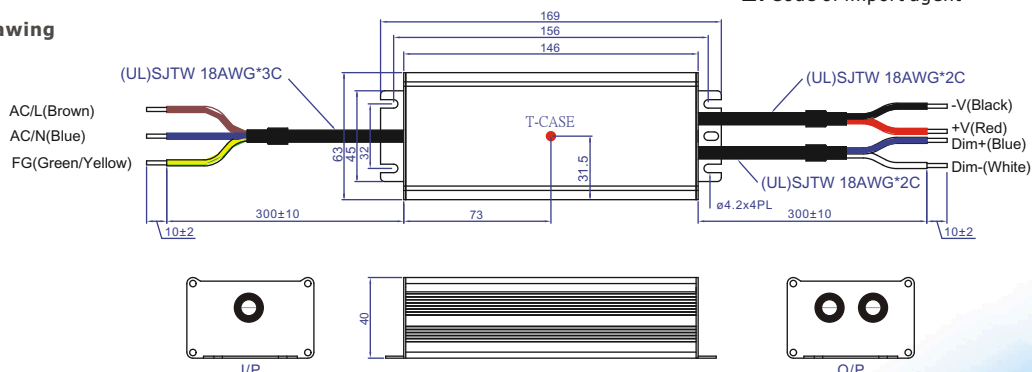
Y: Blank, 0-9, A-Z (market purpose, factory specified)

0 0 0 0 0: Output current (mA)

□: Code of import agent

LAA-40-V-B1

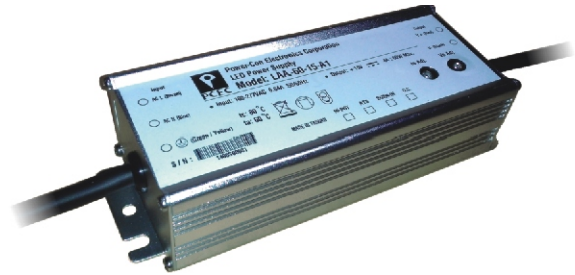
Dimensional Drawing



60W LAA-60 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. Load.)
- ▶ Efficiency up to 90%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus FC LPS SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms $\pm 10\%$ (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 55A at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 18AWGx3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 18 AWGx2C (30cm) Type B, C: (UL) SJTW 18 AWGx2C (30cm) + SJTW 18 AWGx2C (30cm)
Mechanical	Dimension/weight	169 (L) x 63 (W) x 40 (H) mm, Weight : 740 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-60-15-XY	15V	13.5~17V	0~4A	2.4~4A	9~15V	87.5%
LAA-60-20-XY	20V	17~22V	0~3A	1.8~3A	12~20V	89%
LAA-60-24-XY	24V	22~27V	0~2.5A	1.5~2.5A	14.4~24V	89.5%
LAA-60-30-XY	30V	27~33V	0~2A	1.2~2A	18~30V	90%
LAA-60-36-XY	36V	33~40V	0~1.7A	1~1.7A	21.6~36V	90%
LAA-60-42-XY	42V	38~46V	0~1.45A	0.87~1.45A	25.2~42V	90%
LAA-60-48-XY	48V	43~53V	0~1.3A	0.78~1.3A	28.8~48V	90.5%
LAA-60-54-XY	54V	49~58V	0~1.15A	0.69~1.15A	32.4~54V	90.5%

P/N Information:

LAA - 60 - V - XY - ○○○○○○ □

60: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

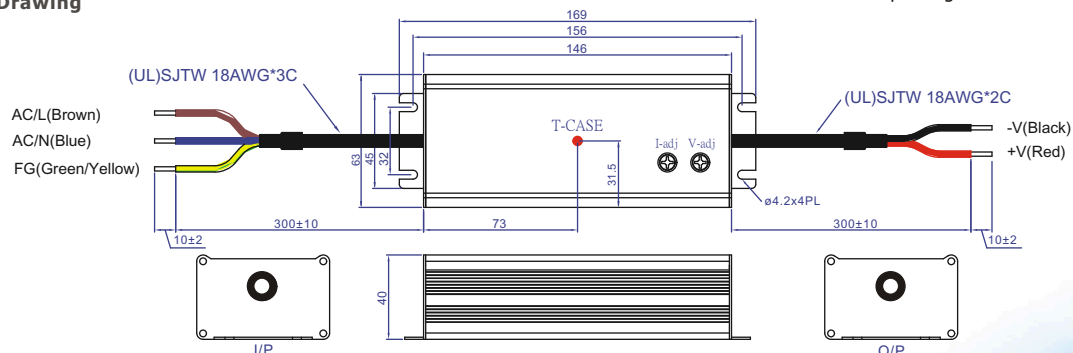
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-60-V-A1

Dimensional Drawing



80W LAA-80 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 90.5%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus FC LPS SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 70A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 18AWGx3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 18 AWG×2C (30cm) Type B, C: (UL) SJTW 18 AWG×2C (30cm) + SJTW 18 AWG×2C (30cm)
Mechanical	Dimension/weight	193.5 (L) x 63 (W) x 40 (H) mm, Weight : 790 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-80-12-XY	12V	10.8~13.5V	0~5A	3~5A	7.2~12V	87.5%
LAA-80-15-XY	15V	13.5~17V	0~5A	3~5A	9~15V	89%
LAA-80-20-XY	20V	17~22V	0~4A	2.4~4A	12~20V	89.5%
LAA-80-24-XY	24V	22~27V	0~3.4A	2.04~3.4A	14.4~24V	90%
LAA-80-30-XY	30V	27~33V	0~2.7A	1.62~2.7A	18~30V	90.5%
LAA-80-36-XY	36V	33~40V	0~2.3A	1.38~2.3A	21.6~36V	90.5%
LAA-80-42-XY	42V	38~46V	0~1.95A	1.17~1.95A	25.2~42V	90.5%
LAA-80-48-XY	48V	43~53V	0~1.7A	1.02~1.7A	28.8~48V	90.5%
LAA-80-54-XY	54V	49~58V	0~1.5A	0.9~1.5A	32.4~54V	90.5%

P/N Information:

LAA - 80 - V - X Y - ○ ○ ○ ○ ○ □

80: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

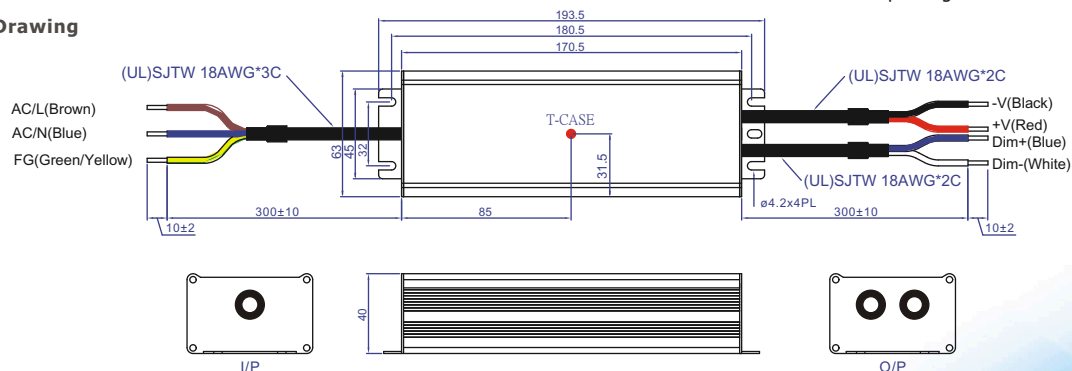
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○ ○ ○ ○ ○: Output current (mA)

□: Code of import agent

LAA-80-V-B1

Dimensional Drawing



100W LAA-100 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms $\pm 10\%$ (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG $\times$ 3C (30cm), (PSE) HVCTF 1.25mm 2 $\times$ 3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG $\times$ 2C (32cm), (PSE) HVCTF 2.0mm 2 $\times$ 2C (32cm) Type B, C: (UL) SJTW 14AWG $\times$ 2C (32cm) + SJTW 18AWG $\times$ 2C (32cm)
Mechanical	Dimension/weight	220 (L) x 68 (W) x 39 (H) mm, Weight : 950 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-100-20-XY	20V	17~22V	0~4.8A	3~4.8A	10~20V	92.0%
LAA-100-24-XY	24V	22~27V	0~4A	2.5~4A	12~24V	92.0%
LAA-100-30-XY	30V	27~33V	0~3.2A	2~3.2A	15~30V	92.5%
LAA-100-36-XY	36V	33~40V	0~2.65A	1.65~2.65A	18~36V	93.0%
LAA-100-42-XY	42V	38~46V	0~2.28A	1.4~2.28A	21~42V	93.0%
LAA-100-48-XY	48V	43~53V	0~2A	1.25~2A	24~48V	93.0%
LAA-100-54-XY	54V	49~58V	0~1.77A	1.1~1.77A	27~54V	93.0%

P/N Information:

LAA - 100 - V - XY - ○○○○○○ - □

100: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

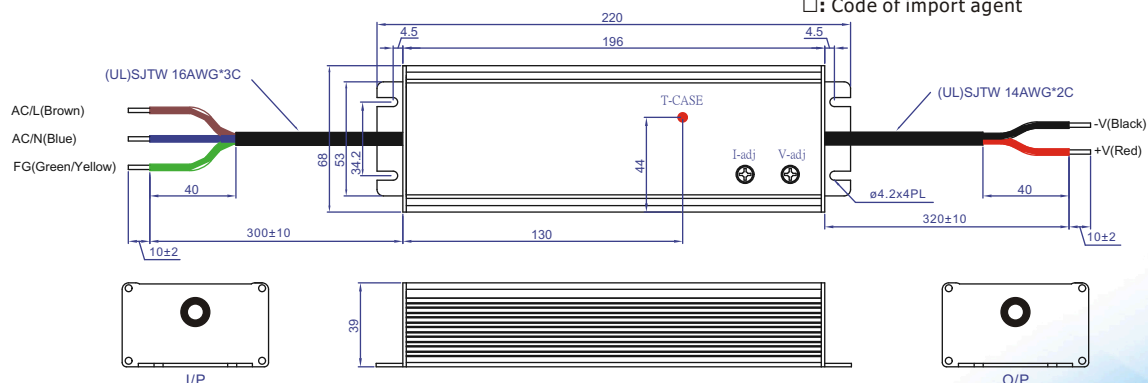
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-100-V-A1

Dimensional Drawing



120W LAA-120 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B,C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	220 (L) x 68 (W) x 39 (H) mm, Weight : 950 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-120-12-XY	12V	10.8~13.5V	0~10A	5~10A	6~12V	91%
LAA-120-15-XY	15V	13.5~17V	0~8A	4~8A	7.5~15V	91%
LAA-120-20-XY	20V	17~22V	0~6A	3~6A	10~20V	91.5%
LAA-120-24-XY	24V	22~27V	0~5A	2.5~5A	12~24V	92.0%
LAA-120-30-XY	30V	27~33V	0~4A	2~4A	15~30V	93.0%
LAA-120-36-XY	36V	33~40V	0~3.4A	1.7~3.4A	18~36V	93.0%
LAA-120-42-XY	42V	38~46V	0~2.9A	1.4~2.9A	21~42V	93.0%
LAA-120-48-XY	48V	43~53V	0~2.5A	1.2~2.5A	24~48V	93.0%
LAA-120-54-XY	54V	49~58V	0~2.3A	1.1~2.3A	27~54V	93.0%

P/N Information:

LAA - 120 - V - XY - ○○○○○○ - □

120: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0=IP67 rated;

A=IP65 rated (V-Adjustable and I-Adjustable);

B=IP67 rated and built-in 3 in 1 dimming;

C=IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D=IP67 rated and Timer dimming;

S=IP67 rated and Smart Count Time dimming.

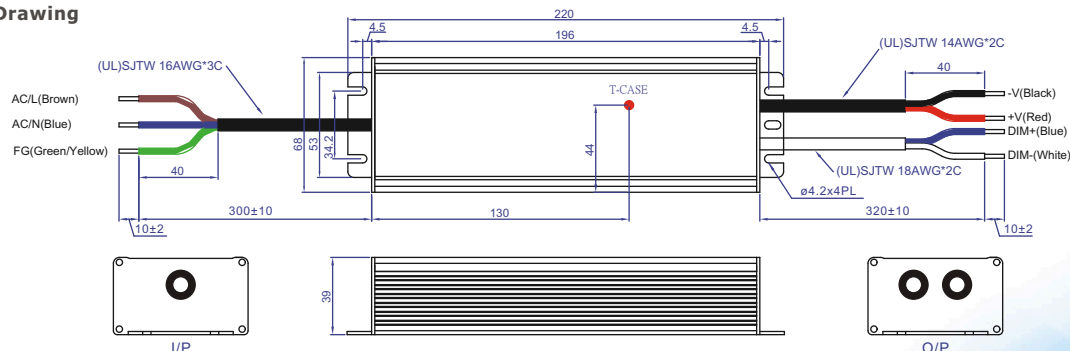
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-120-V-B1

Dimensional Drawing



150W LAA-150 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU Erp.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms $\pm 10\%$ (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 75A at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG $\times$ 3C (30cm), (PSE) HVCTF 1.25mm 2 $\times$ 3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG $\times$ 2C (32cm), (PSE) HVCTF 2.0mm 2 $\times$ 2C (32cm) Type B, C: (UL) SJTW 14AWG $\times$ 2C (32cm) + SJTW 18AWG $\times$ 2C (32cm)
Mechanical	Dimension/weight	228 (L) x 68 (W) x 39 (H) mm, Weight : 1200 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-150-12-XY	12V	10.8~13.5V	0~12.5A	7~12.5A	6~12V	91.0%
LAA-150-15-XY	15V	13.5~17V	0~10A	6~10A	7.5~15V	91.0%
LAA-150-20-XY	20V	17~22V	0~7.5A	4.5~7.5A	10~20V	92.0%
LAA-150-24-XY	24V	22~27V	0~6.3A	3.8~6.3A	12~24V	92.0%
LAA-150-30-XY	30V	27~33V	0~5A	3~5A	15~30V	92.0%
LAA-150-36-XY	36V	33~40V	0~4.2A	2.5~4.2A	18~36V	92.0%
LAA-150-42-XY	42V	38~46V	0~3.6A	2.16~3.6A	21~42V	93.0%
LAA-150-48-XY	48V	43~53V	0~3.2A	1.92~3.2A	24~48V	93.0%
LAA-150-54-XY	54V	49~58V	0~2.8A	1.68~2.8A	27~54V	93.0%

P/N Information:

LAA - 150 - V - XY - ○○○○○○ - □

150: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

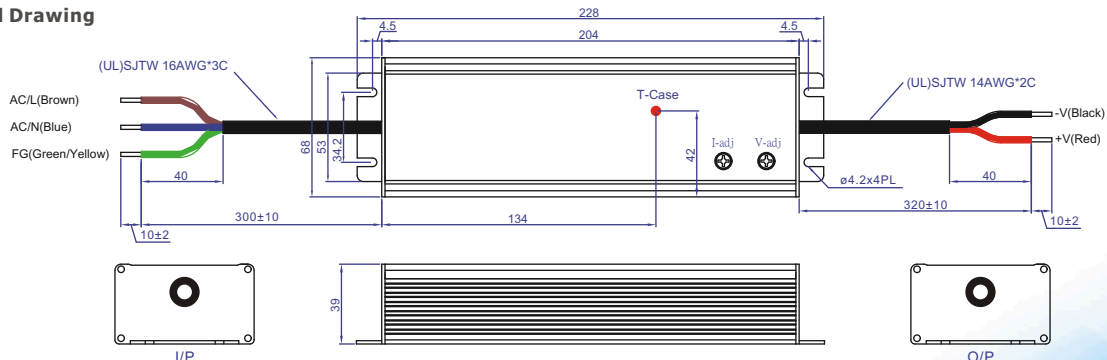
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-150-V-A1

Dimensional Drawing



185W LAA-185 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 75A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B, C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	228 (L) x 68 (W) x 39 (H) mm, Weight : 1200 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-185-12-XY	12V	10.8~13.5V	0~13A	6.5~13A	6~12V	91.0%
LAA-185-15-XY	15V	13.5~17V	0~11.5A	5.75~11.5A	7.5~15V	91.0%
LAA-185-20-XY	20V	17~22V	0~9.3A	4.65~9.3A	10~20V	93.0%
LAA-185-24-XY	24V	22~27V	0~7.8A	3.9~7.8A	12~24V	93.0%
LAA-185-27-XY	27V	24~30V	0~6.9A	3.45~6.9A	13.5~27V	93.0%
LAA-185-30-XY	30V	27~33V	0~6.2A	3.1~6.2A	15~30V	93.0%
LAA-185-36-XY	36V	33~40V	0~5.2A	2.6~5.2A	18~36V	93.0%
LAA-185-42-XY	42V	38~46V	0~4.4A	2.2~4.4A	21~42V	93.0%
LAA-185-48-XY	48V	43~53V	0~3.9A	1.95~3.9A	24~48V	93.0%
LAA-185-54-XY	54V	49~58V	0~3.45A	1.72~3.45A	27~54V	93.0%

P/N Information:

LAA - 185 - V - XY - ○○○○○○ - □

185: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

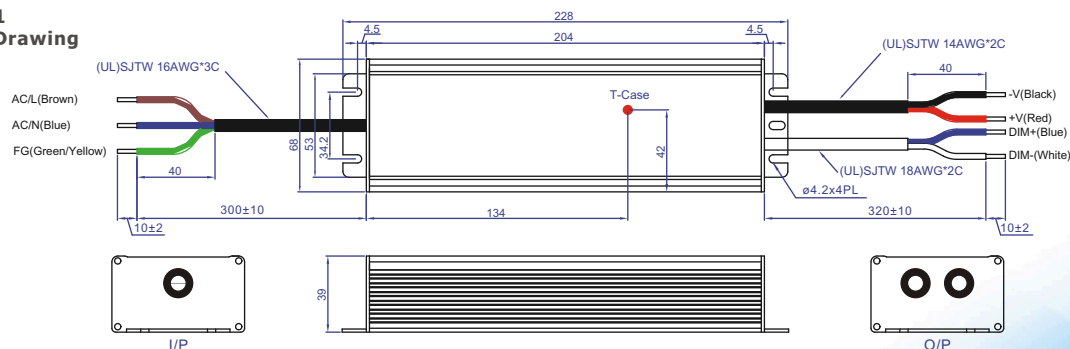
S= IP67 rated and Smart Count Time dimming.

Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-185-V-B1 Dimensional Drawing



240W LAA-240 Series

Features

- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 75A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	240.2 (L) x 68 (W) x 39 (H) mm, Weight : 1300 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-240-12-XY	12V	11.2~12.8V	0~16A	8~16A	6~12V	90.0%
LAA-240-15-XY	15V	14~16V	0~15A	7.5~15A	7.5~15V	90.0%
LAA-240-20-XY	20V	18.6~21.4V	0~12A	6~12A	10~20V	92.0%
LAA-240-24-XY	24V	22.4~25.6V	0~10A	5~10A	12~24V	93.0%
LAA-240-30-XY	30V	28~32V	0~8A	4~8A	15~30V	93.0%
LAA-240-36-XY	36V	33.5~38.5V	0~6.7A	3.3~6.7A	18~36V	93.0%
LAA-240-42-XY	42V	39~45V	0~5.72A	2.86~5.72A	21~42V	93.0%
LAA-240-48-XY	48V	44.8~51.2V	0~5A	2.5~5A	24~48V	93.0%
LAA-240-54-XY	54V	50~57V	0~4.45A	2.23~4.45A	27~54V	94.0%

LAA - 240 - V - XY - ○○○○○○ - □

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

A= IP65 rated (V-Adjustable and I-Adjustable):

C≡ IP65 rated (I-Adj. and built-in 3 in 1 dimming,

S= IP67 rated and Smart Count Timer

Y: Blank 0 0 A 3 (market purpose, factory speci

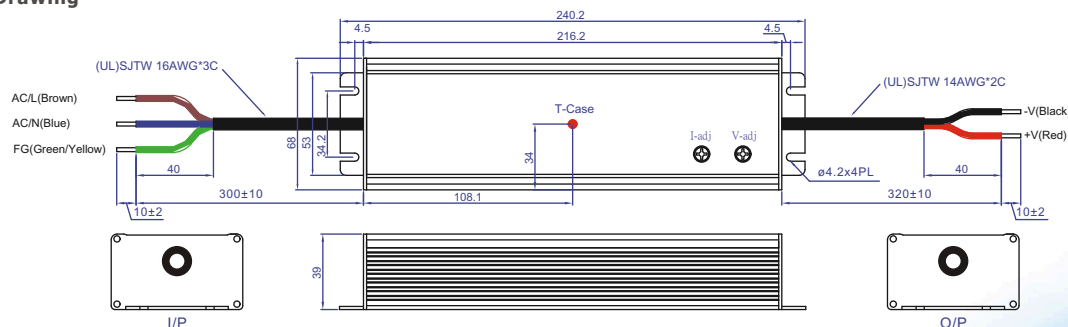
Y: Blank, 0-9, A-Z (market purpose, factory specified)
 ○○○○○○: Output current (mA)

○○○○○: Output current (mA)
□: Code of import agent

□: Code of import agent

Dimensional Drawing

Dimensional Drawing



320W LAA-320 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 94%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



CB CE cULus FC SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start 70A (twidth = 1010 μs measured at 50% Ipeak) at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm²×2C (32cm) Type B, C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	252 (L) x 90 (W) x 43.8 (H) mm, Weight : 1880 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-320-12-XY	12V	10.8~13.5V	0~22A	11~22A	6~12V	90%
LAA-320-15-XY	15V	13.5~17V	0~19A	9.5~19A	7.5~15V	91%
LAA-320-20-XY	20V	17~22V	0~15A	7.5~15A	10~20V	92%
LAA-320-24-XY	24V	22~27V	0~13.3A	6.67~13.34A	12~24V	93%
LAA-320-30-XY	30V	27~33V	0~10.7A	5.35~10.7A	16~30V	93%
LAA-320-36-XY	36V	33~40V	0~8.9A	4.45~8.9A	18~36V	93%
LAA-320-42-XY	42V	38~46V	0~7.65A	3.8~7.65A	21~42V	94%
LAA-320-48-XY	48V	43~53V	0~6.7A	3.35~6.7A	24~48V	94%
LAA-320-54-XY	54V	49~58V	0~5.95A	2.97~5.95A	27~54V	94%

P/N Information:

LAA - 320 - V - XY - ○○○○○○ - □

320: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-320-V-B1

Dimensional Drawing

