

2016 Edition V3.0

LED DRIVER PRODUCT CATALOGUE

ABOUT MOSO

Shenzhen MOSO Electronics Technology Co., Ltd. is a subsidiary of the MOSO Power Supply Technology Co., Ltd. A national hi-tech and energy-saving enterprise encouraged by the National twelfth five-year Plan. Meanwhile, it is a professional power supply manufacturer with much influence nationwide. After several years of development ever since 2009 when it was established, the company has been recognized by many fortune-500 enterprises in the world and become their strategic partner.

Taking technology and quality as its core advantages, MOSO electronics Technology has carried out its industry university research cooperation with many key domestic universities and colleges by building the MOSO electronics Technology Research Institute with huge amounts of funds for R&D invested. At the same time, the institute is facilitated with the reliability and security laboratory that leads the industry with the application of cutting-edge equipments for production and testing including the full-automatic computer tester, with which the laboratory has developed its world-leading high-efficient switching power supply and LED intelligent drivers of many categories. MOSO electronics Technology has acquired about 200 national patents within just a few years.

Integrating the R&D, manufacturing and sale of products together with services, MOSO electronics Technology has settled its branch offices in countries and regions including the US, Japan, Korea, Singapore, Europe, Hong Kong and Taiwan, to provide promptly its professional services for clients both indomestic and abroad. Out-standing talents, cutting-edge technologies, scientific management and forward-looking entrepreneurship—all of which has enabled MOSO electronics Technology to stand on a leading position of the industry and become its core competitiveness. It is the vision of the company to proceed hand in hand with clients and traders of all trades and achieve mutually beneficial development by making our modest contributions to the global undertaking of energy saving and reduce carbon.

Manufacturing center



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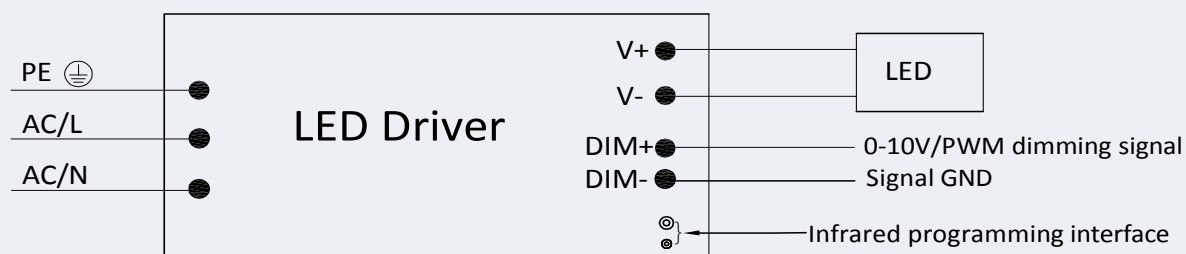
Landscape Lighting Solution

LSV Series (35W—320W) 72-87

Remarks:
All pictures, spec, dimension in this catalog are just for your references, any further requirements, please contact our sales.

Intelligent Control

Intelligent Control Interface



Configure Output Current Via Controller



1. Inserting receiving terminal of the remote controller into the bigger hole site of side plate of the power supply, shown as the left picture.
2. First, press the key "ON" to unlock, then press the function key to adjust current what you need within 10S.
Operation instruction:
 - ✘ 10%–100% : Different rate of maximum output current.
 - ✘ +, - : Current fine tuned-keys, every step is 1%.
 - ✘ ON : The key of opening the controller.
 - ✘ OFF : The key of setting the minimum current.
 - ✘ SET : Reserved key, no function by now.

Warning: Please do not continuously press "+" to avoid the over power protection and unstable output.

Connection of dimming wire

	0–10V dimming	PWM dimming
Positive of dimming signal	White—DIM+	White—DIM+
Ground of dimming signal	Black—DIM–	Black—DIM–

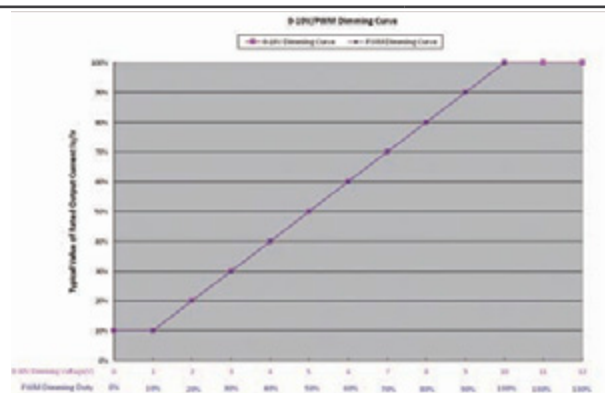
Intelligent control suitable for LDP, LCP, LHP, LUC series.

Dimming Interface

Mode	Electrical Interface	
PWM dimming	Frequency	250Hz~1000Hz
	High voltage level	9.7~10.3V or 4.85~5.15V
	Low voltage level	0~0.3V
	Sink current	<2.0 mA
	Open circuit of dimming	100% output current
	Linear dimming range	10%~100%Ir
	Short circuit of dimming	10% Ir output current
0~10V dimming	Dimming signal voltage	0~10Vpp (± 1%)
	Sink current	<2.0 mA
	Open circuit of dimming	100% output current
	Linear dimming range	10%~100%Ir
	Short circuit of dimming	10% Ir output current

Note:

1. The maximum sink current of the external driver is > 2mA and the maximum output current is > 2mA, when the external dimmer is connected to LED driver;
2. Ir is maximum output current;
3. PWM dimming mode: The dimming mode detect duty cycle of the external PWM dimming signal, and change the output current depend on the change of ratio of output current;
4. 0~10V dimming mode: The dimming mode detect the voltage amplitude of the external 0~10V dimming mode, and change the output current depend on the change of ratio of output current;
5. The highest resolution of PWM is 1% when it's under 2 in 1 dimming mode, 100% duty cycle is used as 0~10V signal processing when PWM dimming is not 10V electrical level;
6. Can set to 0~5V dimming by programmer.



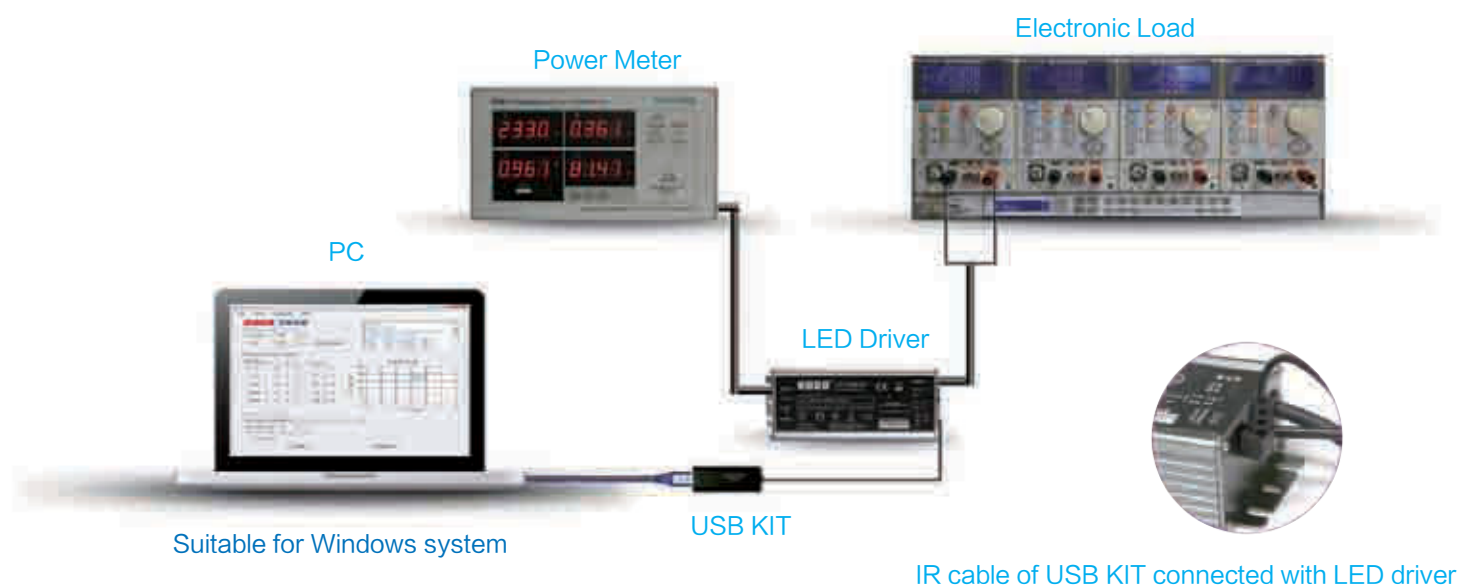
0~10V dimming voltage (v)	0	1	2	3	4	5	6	7	8	9	10	11	12
PWM dimming duty cycle	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%		
Typical value of rated output current Io/Ir	10%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%

Note: Ir is maximum output current, Io is actual output current.

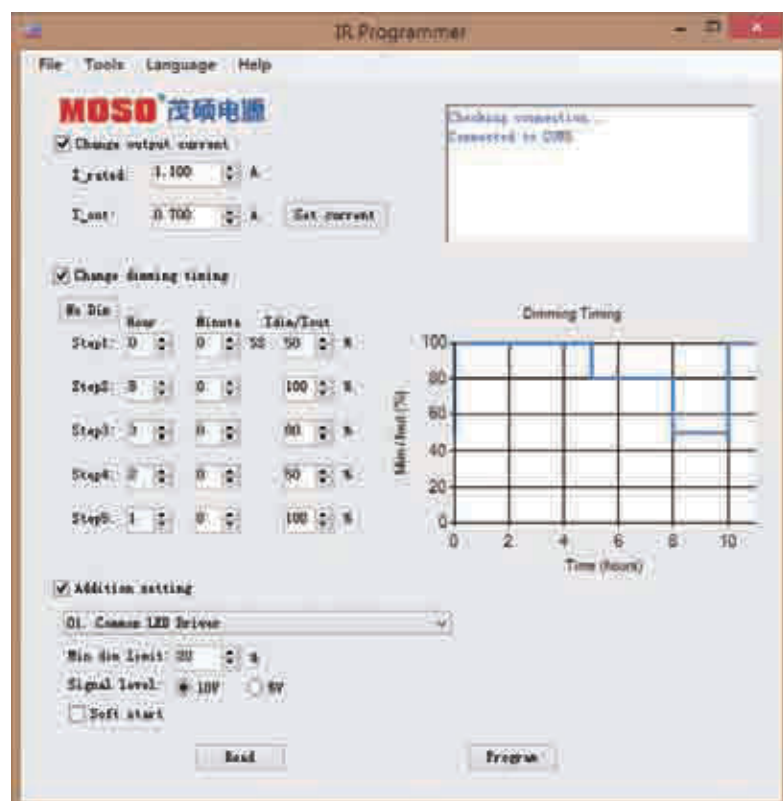
Timing function

1. There is no timing control function for the standardized product at factory prefix. MOSO will provide software to customer;
2. The product support 5 times quantum settings at most.

Programming Operation Guide



Software Operation Guide



In both Chinese and English interface.

- 1) Change output current;
- 2) Change dimming timing;
- 3) Addition setting
Set min. dim value;
Set signal level can be 5V or 10V;
Set soft start;
- 4) Read setting.

Introduction

LDP Universal Programmable Drivers

LDP series is configurable constant current LED driver with high reliability. The rated power range is from 42W to 320W. Monitored by an infrared based programming device, the fully programmed drivers offer all dimming options and a wide range of output current in a single driver, which deliver maximum flexibility with customized operating settings and intelligent control options for OEMs, as one driver can be programmed for many different luminaire designs. LDP provides built-in timer dimming schedules further increasing the energy savings and CO2 reductions achieved with LED lighting. It also help clients to improve the management of logistics and stock.

Application:

LED street lighting, industrial lighting, and landscape lighting.

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Product Features:

Use MCU control to limit the delivered power, output current configurable, output voltage self-reacting;

Built-in 3-in-1 dimming and auto-react: 0-10Vdc, PWM signal, timer control;

Signal amplitude can be 5V or 10V;

Equipped with interactive visual software to customize output setting;

Universal input voltage: (90 ~ 305)Vac;

Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature / Over voltage;

Surge immunity: DM-5KV, CM-10KV;

IP67, glue potted, suitable for dry / wet / damp locations;

Complied with CCC/CE/CB/ENEC/SAA/BIS/UL safety regulations.

Ambient temperature: -40°C ~ +60°C.



LDP Series

Quick Selection Guide

Model	Power (W)	Output voltage range(Vdc)		Rated output current adjustable range(A)		Eff.	PF	Default output spec		Physical dimension		
		Min.	Max.	Min.	Max.			Voltage (V)	Current (A)	L(mm)	W(mm)	H(mm)
LDP-042X045*	42	24	45	0.93	1.40	86%	0.95	35	1.20	169	64	39
LDP-042X080	42	45	80	0.53	0.93	86%	0.95	60	0.70	169	64	39
LDP-042X140	42	80	140	0.30	0.53	87%	0.95	120	0.35	169	64	39
LDP-060X045	60	24	45	1.33	1.80	86%	0.95	36	1.67	169	64	39
LDP-060X080	60	45	80	0.75	1.05	87%	0.95	57	1.05	169	64	39
LDP-060X180	60	80	180	0.33	0.70	87%	0.95	86	0.70	169	64	39
LDP-075X054H	75	20	54	1.40	2.10	87%	0.95	36	2.10	164	68	39
LDP-075X062H	75	35	62	1.20	1.67	87%	0.95	62	1.21	164	68	39
LDP-075X141H	75	60	141	0.53	1.10	88%	0.96	107	0.70	164	68	39
LDP-075X270	75	120	270	0.28	0.53	88%	0.96	214	0.35	164	68	39
LDP-105X062	105	20	62	1.69	3.00	90%	0.96	36	2.91	178	68	39
LDP-105X150	105	60	150	0.70	1.40	91%	0.96	75	1.40	178	68	39
LDP-105X305	105	120	305	0.344	0.86	91%	0.96	150	0.70	178	68	39
LDP-120X062	120	20	62	1.93	3.00	92%	0.96	45	2.67	178	68	39
LDP-120X170	120	60	170	0.70	1.40	92%	0.96	114	1.05	178	68	39
LDP-120X305	120	120	305	0.40	0.70	92%	0.96	171	0.70	178	68	39
LDP-150X054	150	20	54	2.80	4.20	90%	0.96	36	4.20	207	68	39
LDP-150X120	150	60	120	1.25	2.10	92%	0.96	107	1.40	207	68	39
LDP-150X214	150	80	214	0.70	1.10	92%	0.96	214	0.70	207	68	39
LDP-150X335	150	176	335	0.45	0.70	91%	0.96	214	0.70	207	68	39
LDP-200X054	200	20	54	3.70	6.30	90%	0.96	36	5.50	207	80	40
LDP-200X120	200	60	120	1.67	2.80	91%	0.96	72	2.80	207	80	40
LDP-200X305	200	120	305	0.65	1.40	91%	0.96	143	1.40	207	80	40
LDP-200X445	200	230	445	0.45	0.70	91%	0.96	286	0.70	207	80	40
LDP-240X041	240	20	41	5.86	7.50	92%	0.96	36	6.70	247	68	43.5
LDP-240X062	240	20	62	3.87	5.20	92%	0.96	48	5.00	247	68	43.5
LDP-240X180	240	80	180	1.33	2.10	92%	0.96	170	1.40	247	68	43.5
LDP-240X368	240	190	368	0.65	1.10	92%	0.96	228	1.05	247	68	43.5
LDP-320X041	320	20	41	7.80	10.00	93%	0.96	36	8.90	234	98	40
LDP-320X062	320	20	62	5.16	8.20	92%	0.96	48	6.70	234	98	40
LDP-320X230	320	120	230	1.39	2.10	93%	0.96	228	1.40	234	98	40
LDP-320X457	320	235	457	0.70	1.10	93%	0.96	457	0.70	234	98	40

Note: X=R, Programmable step dimming; X=M, Programmable step dimming, 0-10V&PWM dimmable. following is the same.

Product Series Comparison Chart

Series	Power (W)	PFC ^{*1}		Input voltage range (VAC)	Output mode ^{*2}	IP	Dimming	Warranty (years)	Application
		Single stage	Two stage						
LDP	42/60	✓		90~305	CC+CP	67	3 in 1 ^{*3}	5	Outdoor Lighting
	75~320		✓				3 in 1		
LHP	60~320		✓	249~528	CC+CP	67	3 in 1	5	Outdoor Lighting
LCP	75~320		✓	176~305	CC+CP	67	3 in 1	5	Outdoor Lighting
LTP	60~240		✓	90~305	CC+CP	65	2 in 1 ^{*4}	5	Industrial Lighting
LSV	35~320		✓	90~305	CV	67		5	Landscape Lighting

Note:

1. Single stage PFC: Higher Ripple & Noise, Not recommended to use in regions with unstable grid; Two stage PFC: Lower Ripple & Noise, Suitable for LED lighting and general industrial application;
2. CV: constant voltage mode output, CC: constant current mode output, CP: constant power mode output;
3. 3 in 1 dimming: 0~10V/PWM/ timing control dimming. DALI dimming is optional in LCP Series;
4. 2 in 1 dimming: 0~10V/PWM dimming.

42W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



Technical parameters

Input voltage	(90~305)Vac
Input current	0.70A
Inrush current	75A
Power factor	0.96
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

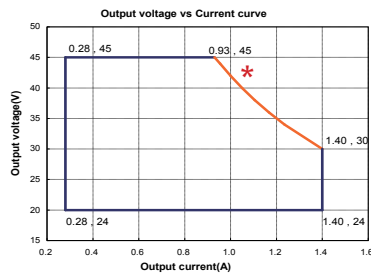
Protection functions	SCP
	OVP
	OTP
Intelligent control	0-10V dimming
	PWM dimming
	Timing control dimming

Specification

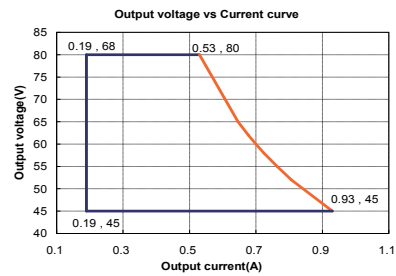
Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-042X045	42	24	45	0.93	1.40	35	1.20	86%
LDP-042X080	42	45	80	0.53	0.93	60	0.70	86%
LDP-042X140	42	80	140	0.30	0.53	120	0.35	87%

Note: All the parameters in brochure are tested under the ambient temperature , 25 ± 10℃, and the PF, THD, efficiency is 230Vac, for details pls check the spec.

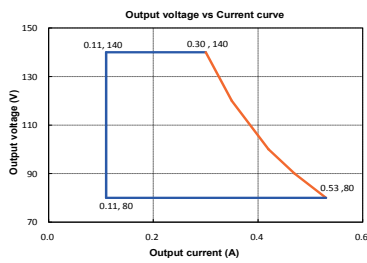
Output voltage vs Current curve



LDP-042X045



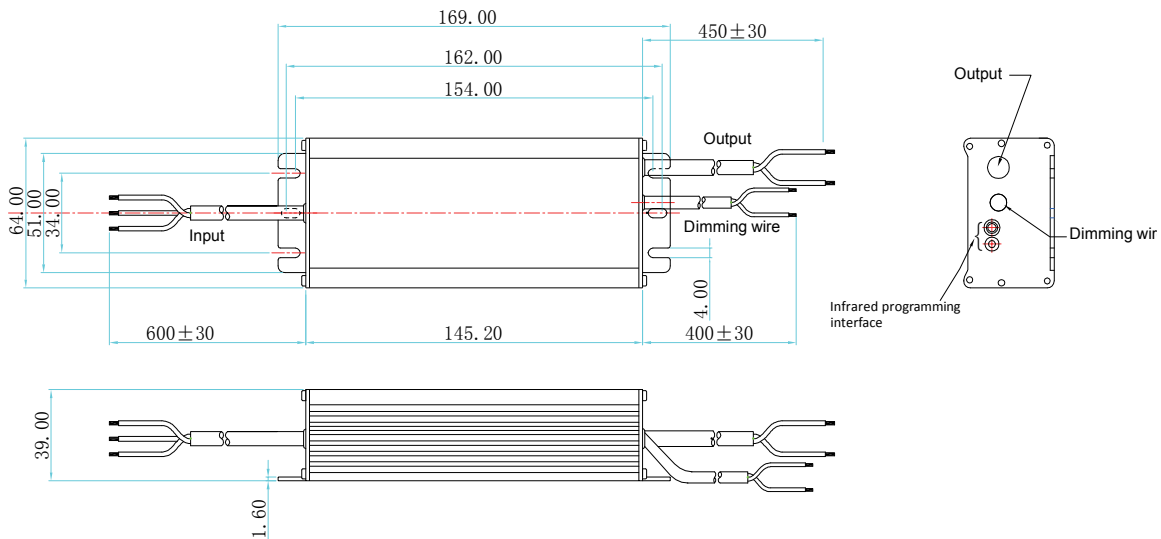
LDP-042X080



LDP-042X140

Note: The orange curve is constant power curve, following is the same.

Mechanical drawing



60W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



Technical parameters

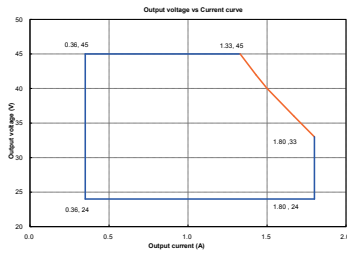
Input voltage	(90~305)Vac
Input current	0.90A
Inrush current	75A
Power factor	0.96
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Protection functions	SCP
	OVP
	OTP
Intelligent control	0-10V dimming
	PWM dimming
	Timing control dimming

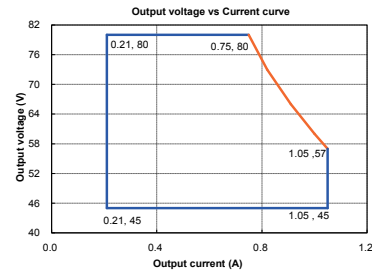
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-060X045	60	24	45	1.33	1.80	36	1.67	87%
LDP-060X080	60	45	80	0.75	1.05	57	1.05	87%
LDP-060X180	60	80	180	0.33	0.70	86	0.70	87%

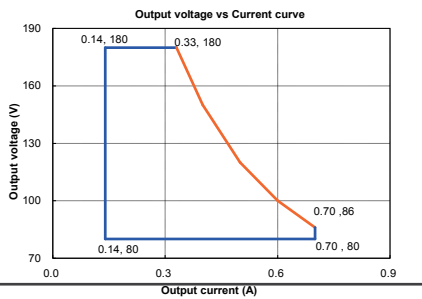
Output voltage vs Current curve



LDP-060X045

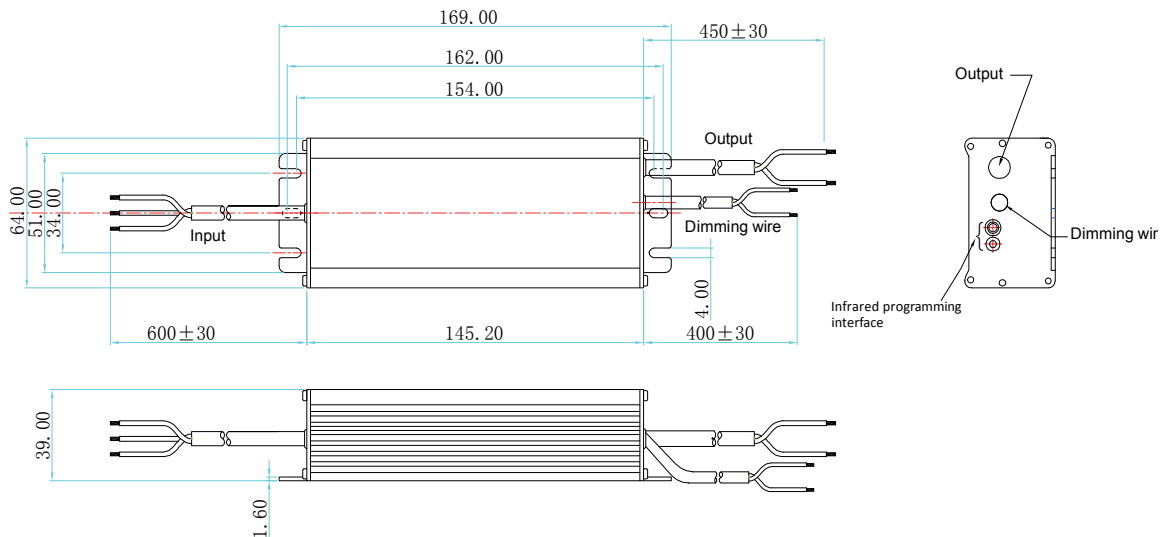


LDP-060X080



LDP-060X180

Mechanical drawing



75W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

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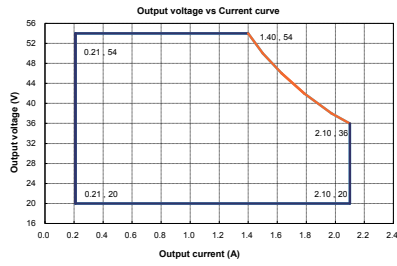
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	1.0A		OVP
Inrush current	75A		OTP
Power factor	0.96		
THD	≤15%	Intelligent control	0-10V dimming
Operated temperature	-40℃ ~ +60℃		PWM dimming
Degrees of protection	IP67		Timing control dimming

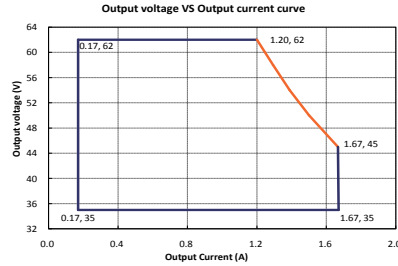
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-075X054H	75	20	54	1.40	2.10	36	2.10	87%
LDP-075X062H	75	35	62	1.20	1.67	62	1.21	87%
LDP-075X141H	75	60	141	0.53	1.10	107	0.70	88%
LDP-075X270H	75	120	270	0.28	0.53	214	0.35	88%

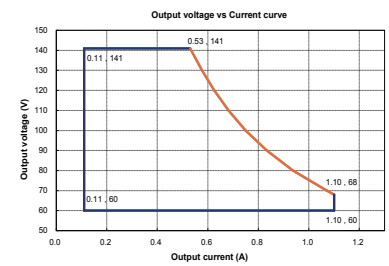
Output voltage vs Current curve



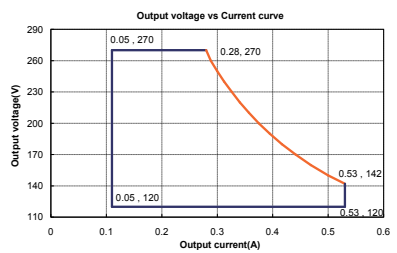
LDP-075X054H



LDP-075X062H

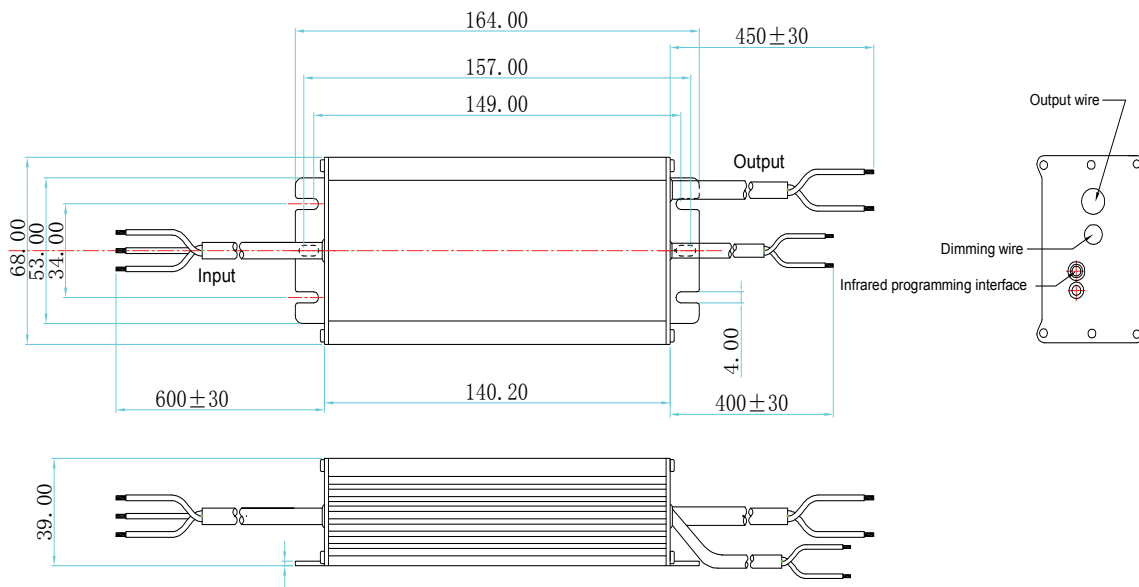


LDP-075X141H



LDP-075X270H

Mechanical drawing



105W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

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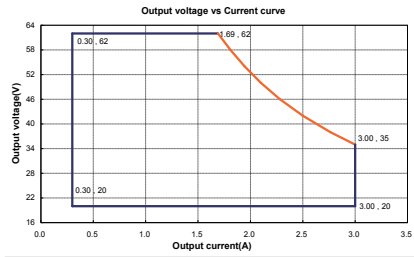
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	1.5A		OVP
Inrush current	75A		OTP
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

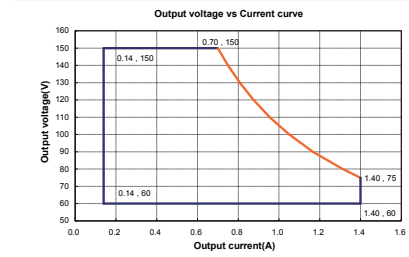
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-105X062	105	20	62	1.69	3.00	36	2.91	90%
LDP-105X150	105	60	150	0.70	1.40	75	1.40	91%
LDP-105X305	105	120	305	0.344	0.86	150	0.70	91%

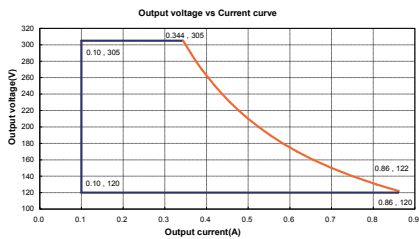
Output voltage vs Current curve



LDP-105X062

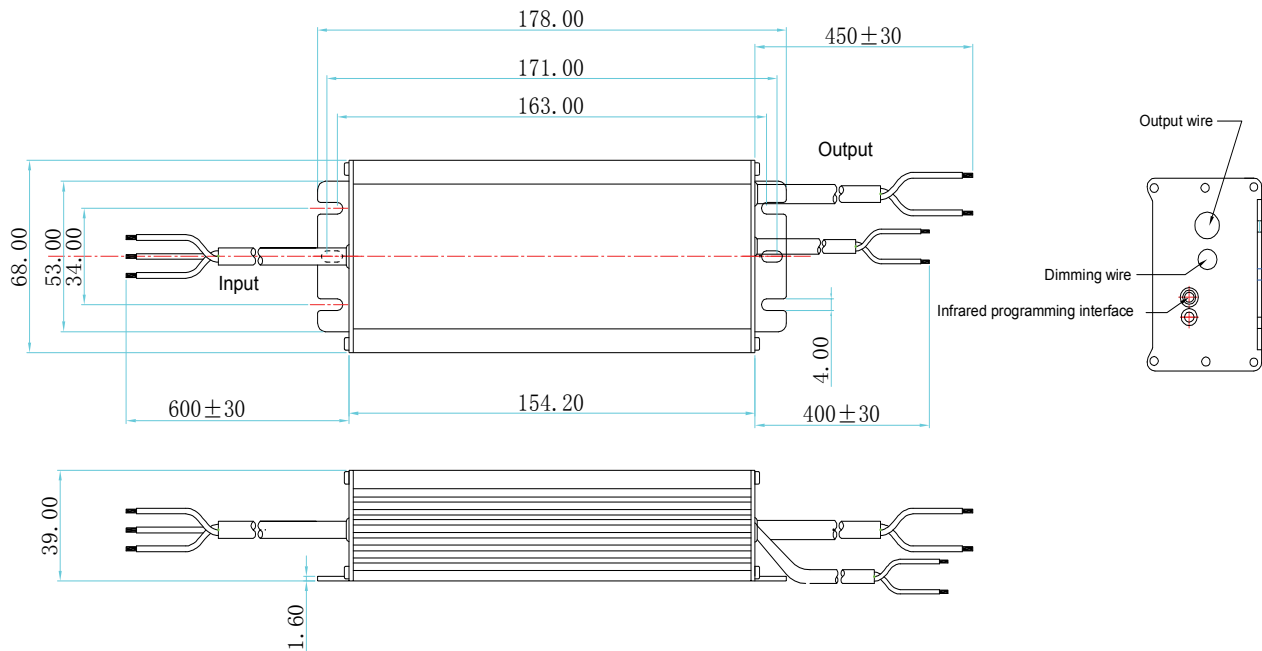


LDP-105X150



LDP-105X305

Mechanical drawing



120W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



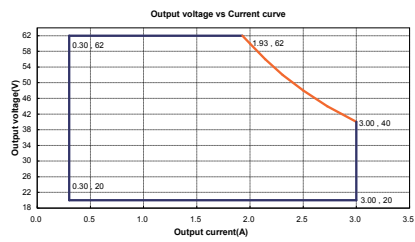
Technical parameters

Input voltage	(176~305)Vac	Protection functions	SCP
Input current	1.0A		OVP
Inrush current	75A		OTP
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

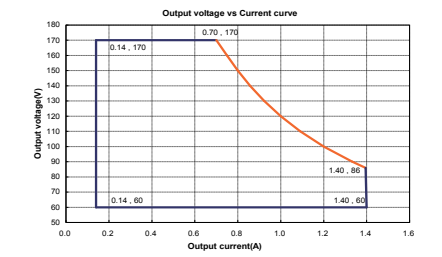
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-120X062	120	20	62	1.93	3.00	45	2.67	92%
LDP-120X170	120	60	170	0.70	1.40	114	1.05	92%
LDP-120X305	120	120	305	0.40	0.70	171	0.70	92%

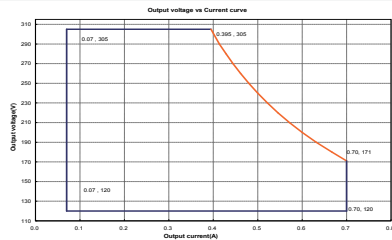
Output voltage vs Current curve



LDP-120X062

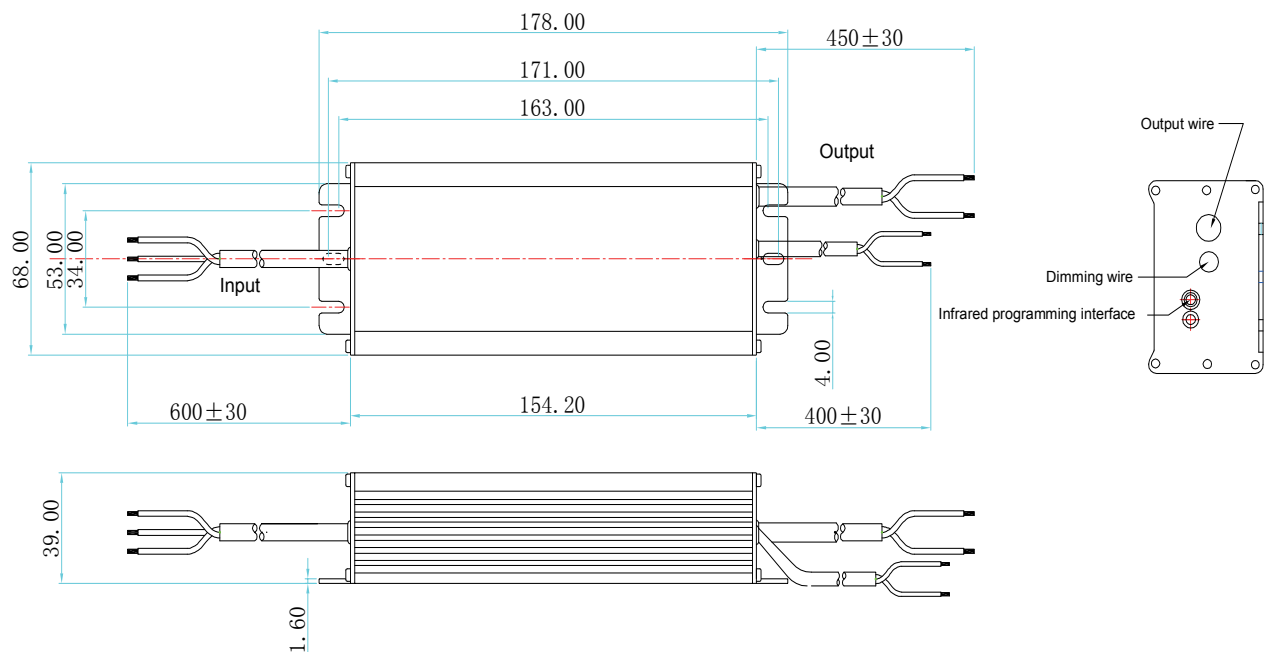


LDP-120X170



LDP-120X305

Mechanical drawing



150W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

BIS SAA CB CE    

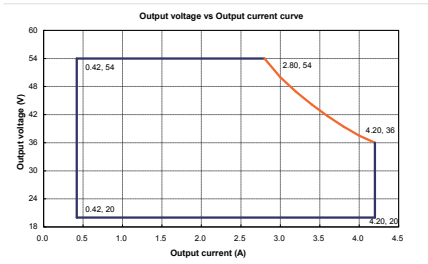
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	2.0A		OVP
Inrush current	75A		OTP
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

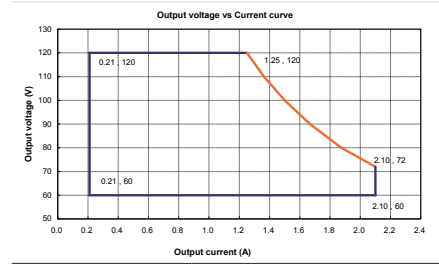
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-150X054	150	20	54	2.80	4.20	36	4.20	90%
LDP-150X120	150	60	120	1.25	2.10	107	1.40	91%
LDP-150X214	150	80	214	0.70	1.10	214	0.70	91%
LDP-150X335	150	176	335	0.45	0.70	214	0.70	92%

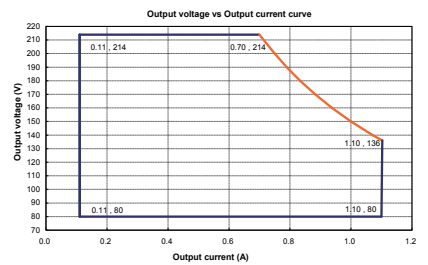
Output voltage vs Current curve



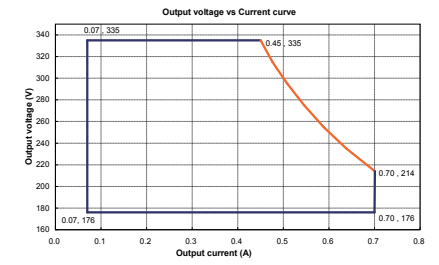
LDP-150X054



LDP-150X120

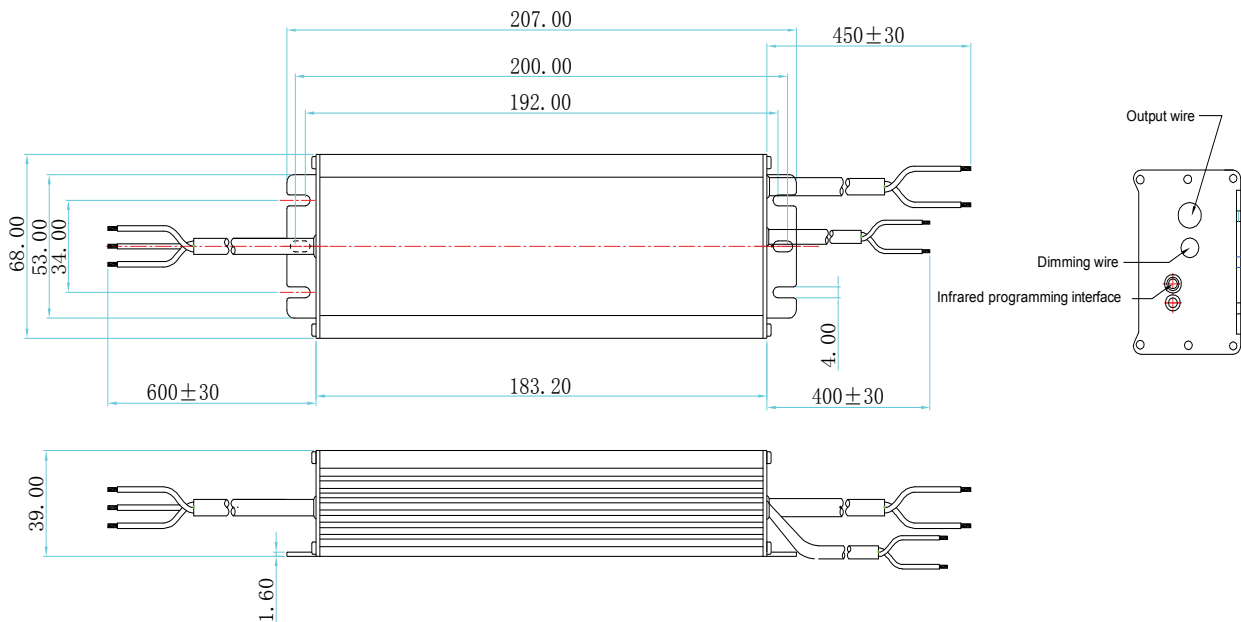


LDP-150X214



LDP-150X335

Mechanical drawing



200W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

BIS SAA CB CE CCC ENEC cULus

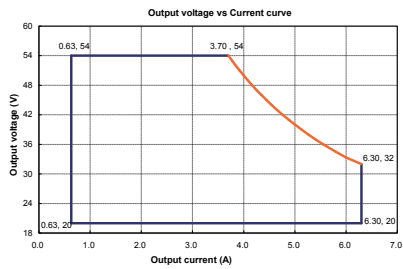
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	2.8A		OVP
Inrush current	75A		OTP
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

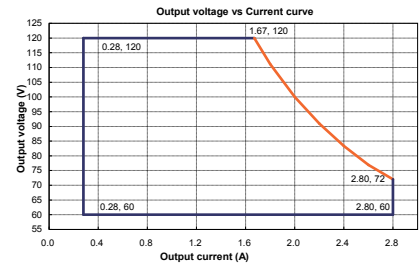
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-200X054	200	20	54	3.70	6.30	36	5.50	90%
LDP-200X120	200	60	120	1.67	2.80	72	2.80	91%
LDP-200X305	200	120	305	0.65	1.40	143	1.40	91%
LDP-200X445	200	230	445	0.45	0.70	286	0.70	91%

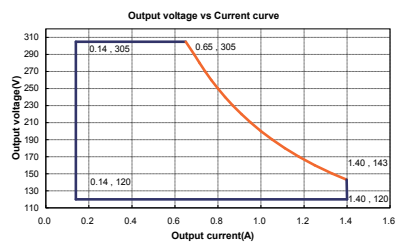
Output voltage vs Current curve



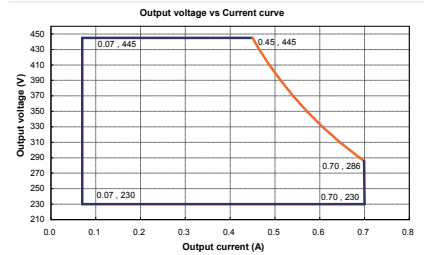
LDP-200 X054



LDP-200X120

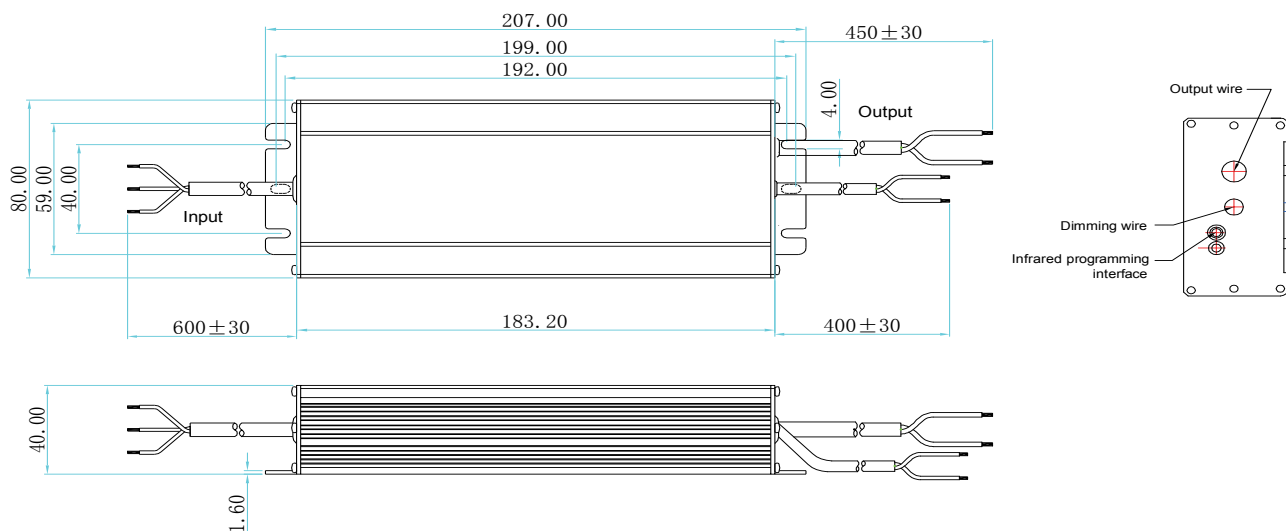


LDP-200X305



LDP-200X445

Mechanical drawing



240W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

SAA CB CE CCC ENEC CULUS

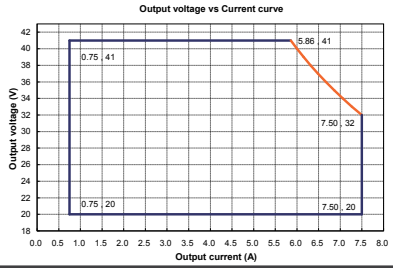
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	3.3A		OVP
Inrush current	75A		OTP
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

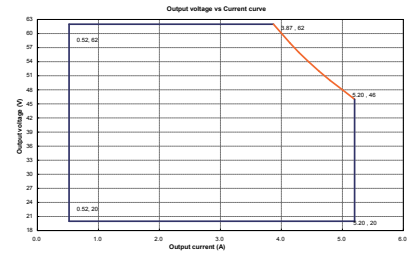
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-240X041	240	20	41	5.86	7.50	36	6.70	92%
LDP-240X062	240	20	62	3.87	5.20	48	5.00	92%
LDP-240X180	240	80	180	1.33	2.10	170	1.40	92%
LDP-240X368	240	190	368	0.65	1.10	228	1.05	92%

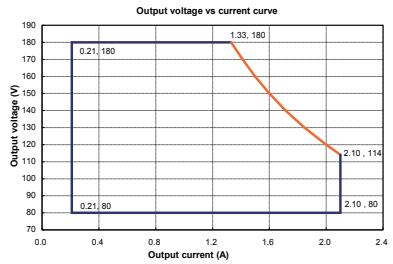
Output voltage vs Current curve



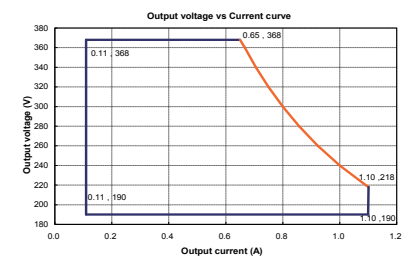
LDP-240X041



LDP-240X062

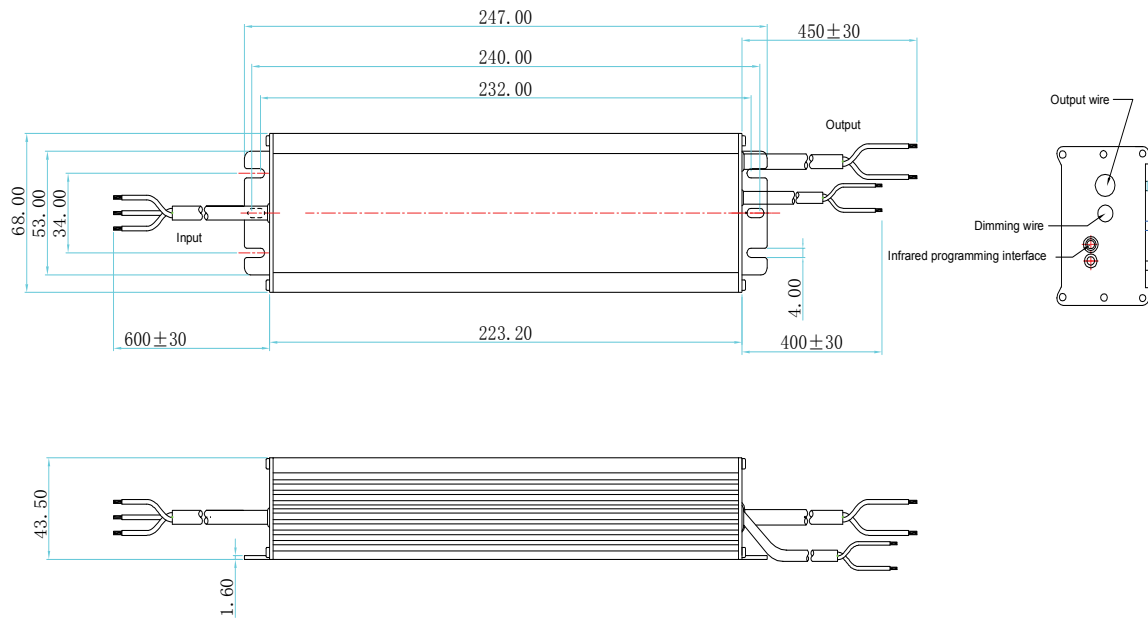


LDP-240X180



LDP-240X368

Mechanical drawing



320W



Features:

1. Constant power design, output current adjustable;
2. Setting current with infrared controller or software interface;
3. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
4. Surge immunity: DM-5KV, CM-10KV;
5. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

SAA CB CE CCC ENEC CULUS

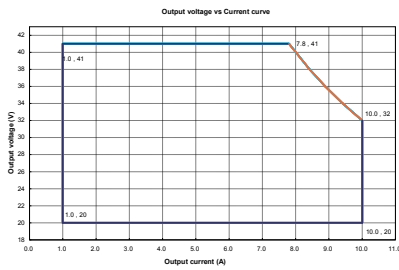
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	4.0A		OVP
Inrush current	100A		OTP
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

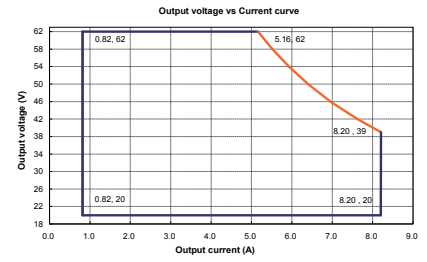
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LDP-320X041	320	20	41	7.80	10.00	36	8.90	92%
LDP-320X062	320	20	62	5.16	8.20	48	6.70	92%
LDP-320X230	320	120	230	1.39	2.10	228	1.40	93%
LDP-320X457	320	235	457	0.70	1.10	457	0.70	93%

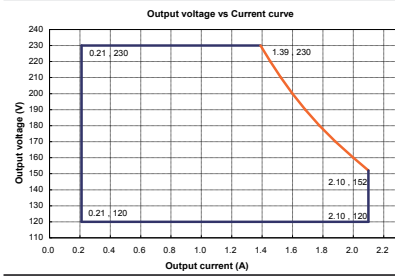
Output voltage vs Current curve



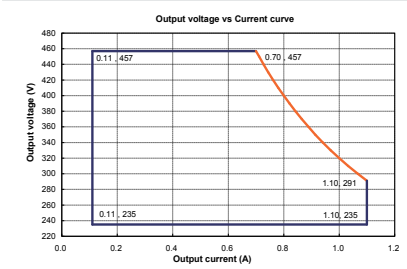
LDP-320X041



LDP-320X062

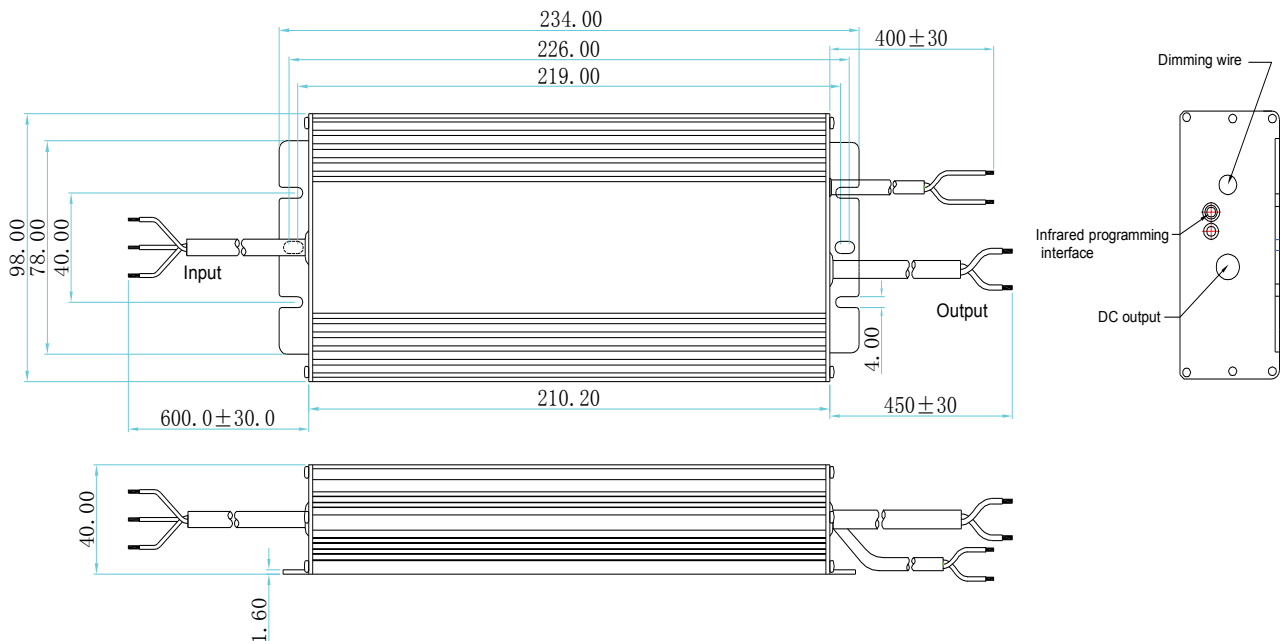


LDP-320X230



LDP-320X457

Mechanical drawing



Introduction

LHP Ultra High Input Voltage Drivers

With 249 to 528V AC input, LHP series is designed for ultra high voltage market (277Vac/347Vac/480Vac), it's especially suitable for North America industrial electrical network. LHP is configurable constant current LED driver with high reliability, has power selections from 60W to 320W. Monitored by an infrared based programming device, the fully programmed drivers offer all dimming options and a wide range of output current in a single driver, which deliver maximum flexibility with customized operating settings and intelligent control options for OEMs, as one driver can be programmed for many different luminaire designs. LHP provides built-in timer dimming schedules further increasing the energy savings and CO2 reductions achieved with LED lighting. It also help clients to improve the management of logistics and stock.

Application:

LED street lighting, industrial lighting, and landscape lighting.



Product Features:

Use MCU control to limit delivered power, output current configurable, output voltage self-reacting;

Built-in 3-in-1 dimming and auto-react: 0-10Vdc, PWM signal, timer control;

Signal amplitude can be 5V or 10V;

Equipped with interactive visual software to customize output setting;

Wide input voltage range: (249 ~ 528)Vac;

Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature;

Surge immunity: DM-4KV, CM-6KV;

IP67, glue potted, suitable for dry / wet / damp locations;

Complied with UL safety regulations;

Ambient temperature: -40°C ~ +60°C.



Quick Selection Guide

Model	Power (W)	Output voltage range(Vdc)		Rated output current adjustable range(A)		Default output spec		Eff.	PF	Physical dimension		
		Min.	Max.	Min.	Max.	Voltage (V)	Current (A)			L (mm)	W (mm)	H (mm)
LHP-060X036*	60	18	36	1.67	2.10	36	1.67	87%	0.95	207	68	39
LHP-060X062	60	20	62	0.97	1.40	57	1.05	87%	0.95	207	68	39
LHP-060X090	60	45	90	0.67	0.95	85	0.70	87%	0.95	207	68	39
LHP-105X036	105	18	36	2.92	4.20	36	2.91	91%	0.96	227	68	43.5
LHP-105X062	105	20	62	1.69	3.00	42	2.50	91%	0.96	227	68	43.5
LHP-105X150	105	60	150	0.70	1.40	75	1.40	91%	0.96	227	68	43.5
LHP-150X036	150	18	36	4.17	5.00	36	4.20	91%	0.96	247	68	43.5
LHP-150X062	150	20	62	2.42	3.75	54	2.80	91%	0.96	247	68	43.5
LHP-150X108	150	60	108	1.39	2.10	71	2.10	91%	0.96	247	68	43.5
LHP-150X214	150	80	214	0.70	1.10	214	0.70	91%	0.96	247	68	43.5
LHP-200X036	200	18	36	5.56	6.60	36	5.50	91%	0.96	257	68	43.5
LHP-200X062	200	20	62	3.23	5.00	47	4.20	91%	0.96	257	68	43.5
LHP-200X120	200	60	120	1.67	2.80	72	2.80	91%	0.96	257	68	43.5
LHP-200X190	200	120	190	1.05	1.40	143	1.40	91%	0.96	257	68	43.5
LHP-200X305	200	190	305	0.65	1.00	285	0.70	91%	0.96	257	68	43.5
LHP-240X036	240	18	36	6.67	8.00	36	6.67	92%	0.96	257	68	43.5
LHP-240X062	240	20	62	3.87	5.20	48	5.00	92%	0.96	257	68	43.5
LHP-240X180	240	80	180	1.33	2.10	170	1.40	92%	0.96	257	68	43.5
LHP-240X368	240	190	368	0.65	1.10	228	1.05	92%	0.96	257	68	43.5
LHP-320X036	320	20	36	8.89	10.60	36	8.90	92%	0.96	234	98	40
LHP-320X062	320	20	62	5.16	8.20	48	6.70	92%	0.96	234	98	40
LHP-320X230	320	120	230	1.39	2.10	228	1.40	93%	0.96	234	98	40

Note: X=R, Programmable step dimming; X=M, Programmable step dimming, 0-10V&PWM dimmable. following is the same.

Product Series Comparison Chart

Series	Power (W)	PFC ^{*1}		Input voltage range (VAC)	Output mode ^{*2}	IP	Dimming	Warranty (years)	Application
		Single stage	Two stage						
LDP	42/60	✓		90~305	CC+CP	67	3 in 1 ^{*3}	5	Outdoor Lighting
	75~320		✓				3 in 1		
<i>LHP</i>	<i>60~320</i>		✓	<i>249~528</i>	<i>CC+CP</i>	<i>67</i>	<i>3 in 1</i>	<i>5</i>	<i>Outdoor Lighting</i>
LCP	75~320		✓	176~305	CC+CP	67	3 in 1	5	Outdoor Lighting
LTP	60~240		✓	90~305	CC+CP	65	2 in 1 ^{*4}	5	Industrial Lighting
LSV	35~320		✓	90~305	CV	67		5	Landscape Lighting

Note:

1. Single stage PFC: Higher Ripple & Noise, Not recommended to use in regions with unstable grid; Two stage PFC: Lower Ripple & Noise, Suitable for LED lighting and general industrial application;
2. CV: constant voltage mode output, CC: constant current mode output, CP: constant power mode output;
3. 3 in 1 dimming: 0~10V/PWM/ timing control dimming. DALI dimming is optional in LCP Series;
4. 2 in 1 dimming: 0~10V/PWM dimming.

60W



Features:

1. Ultra high voltage input(277Vac/347Vac/480Vac);
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Surge immunity: DM-4KV, CM-6KV;
6. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



Technical parameters

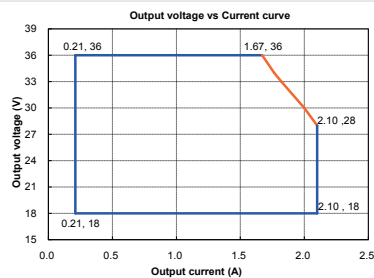
Input voltage	(249~528)Vac	Protection functions	SCP
Input current	0.5A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

Specification

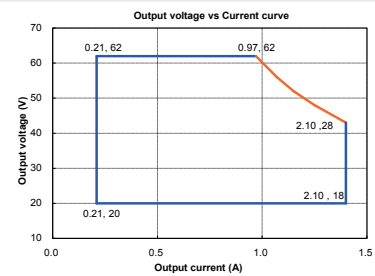
Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LHP-060X036	60	18	36	1.67	2.10	36	1.67	87%
LHP-060X062	60	20	62	0.97	1.40	57	1.05	87%
LHP-060X090	60	45	90	0.67	0.95	85	0.70	88%

All parameters tested around 25 ± 10℃ ambient temperature, 100% load; the typical value of PF, THD from input 347Vac, and efficiency from input 480Vac.

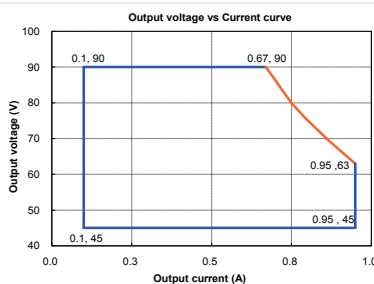
Output voltage vs Current curve



LHP-060X036

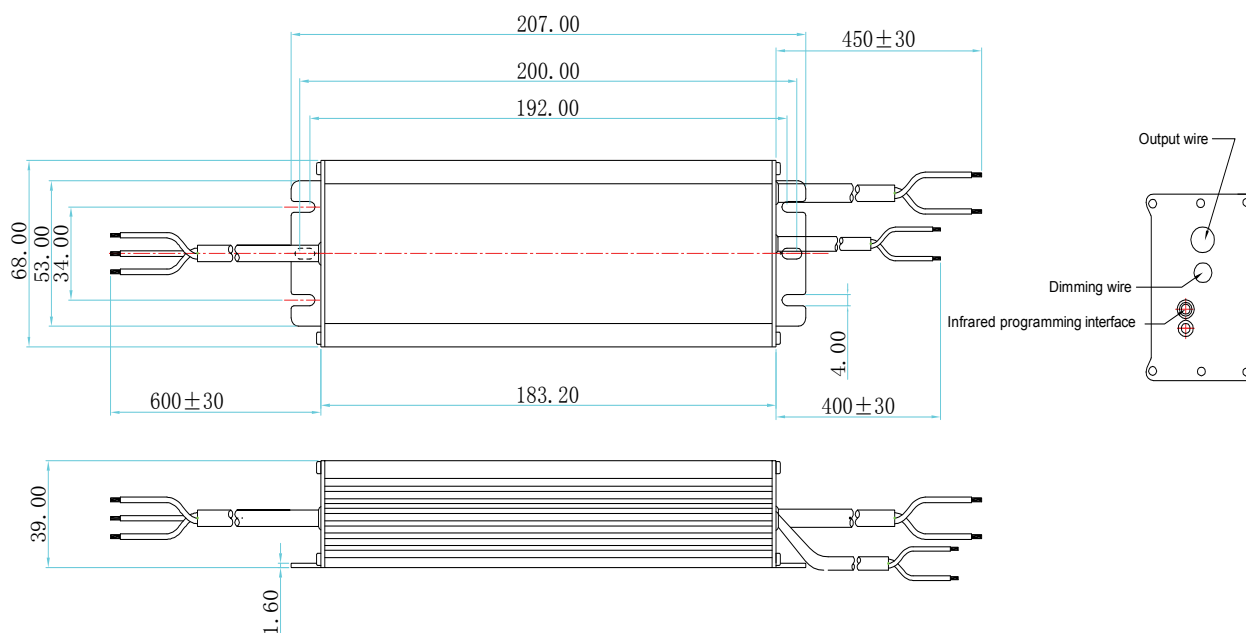


LHP-060X062



LHP-060X090

Mechanical drawing



105W



Features:

1. Ultra high voltage input(277Vac/347Vac/480Vac);
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Surge immunity: DM-4KV, CM-6KV;
6. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



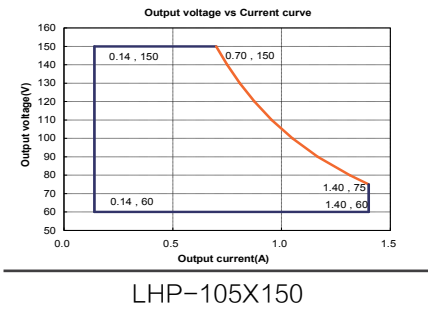
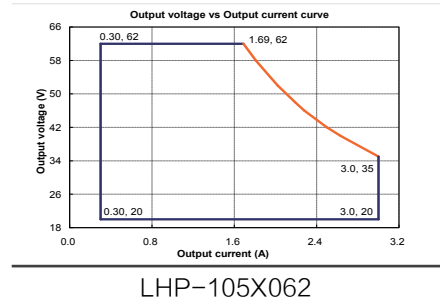
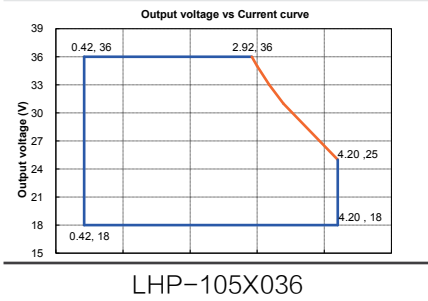
Technical parameters

Input voltage	(249~528)Vac	Protection functions	SCP
Input current	0.8A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

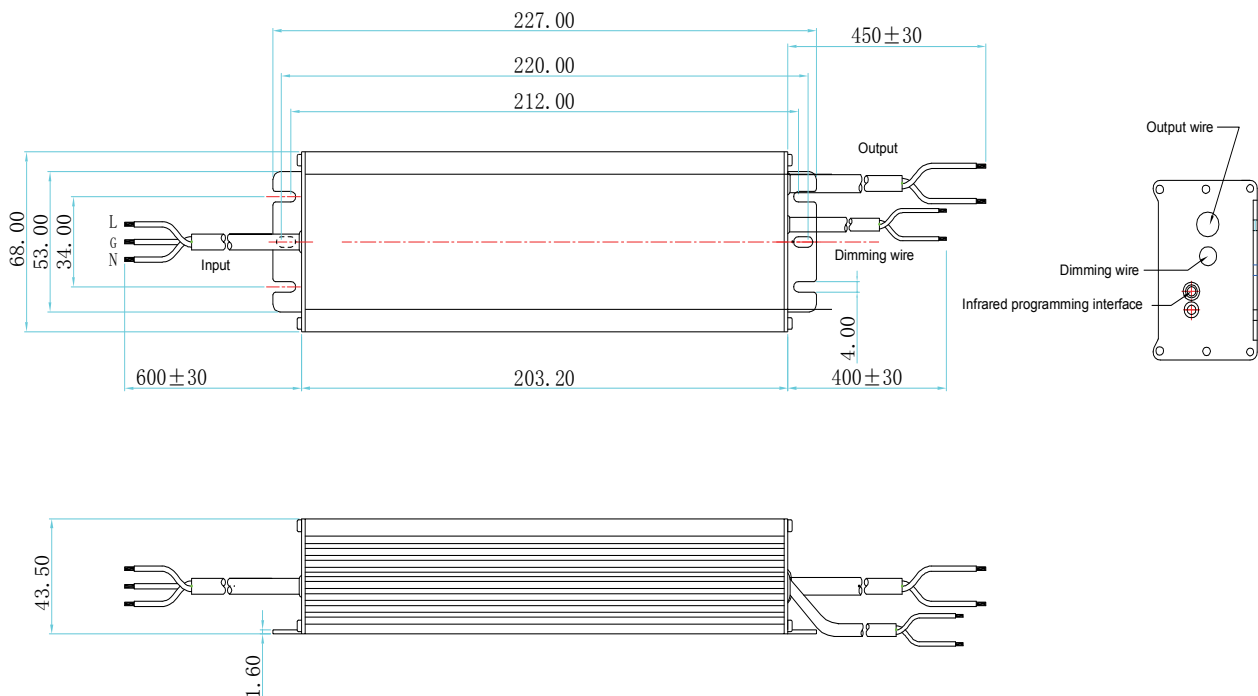
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LHP-105X036	105	18	36	2.92	4.20	36	2.91	91%
LHP-105X062	105	20	62	1.69	3.00	42	2.50	91%
LHP-105X150	105	60	150	0.70	1.40	75	1.40	91%

Output voltage vs Current curve



Mechanical drawing



150W



Features:

1. Ultra high voltage input(277Vac/347Vac/480Vac);
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Surge immunity: DM-4KV, CM-6KV;
6. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



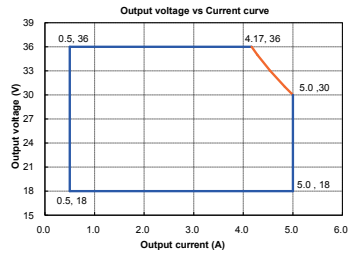
Technical parameters

Input voltage	(249~528)Vac	Protection functions	SCP
Input current	1.0A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

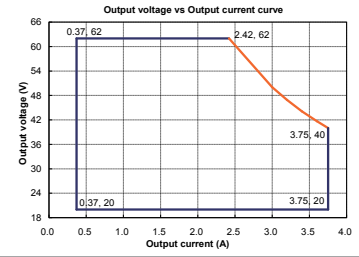
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LHP-150X036	150	18	36	4.17	5.00	36	4.20	91%
LHP-150X062	150	20	62	2.42	3.75	54	2.80	91%
LHP-150X108	150	60	108	1.39	2.10	71	2.10	91%
LHP-150X214	150	80	214	0.70	1.10	214	0.70	91%

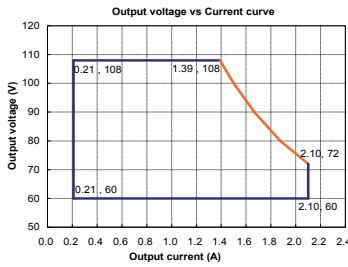
Output voltage vs Current curve



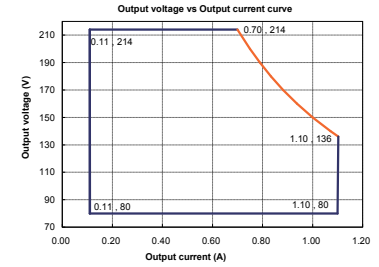
LHP-150X036



LHP-150X062

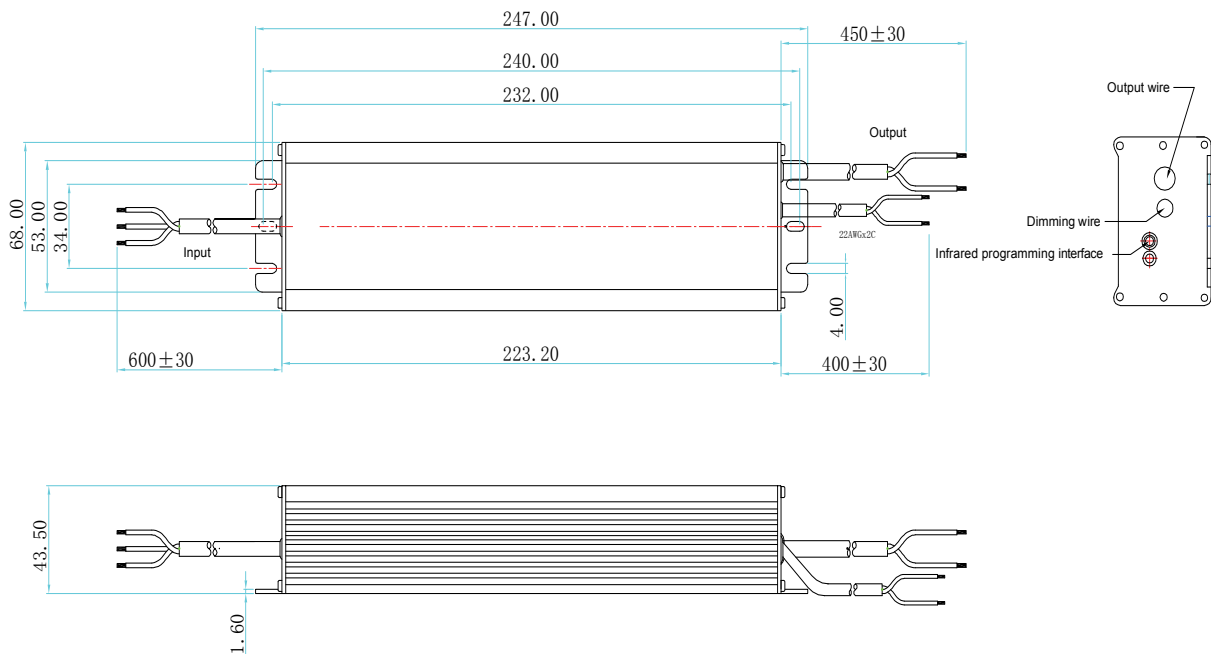


LHP-150X108



LHP-150X214

Mechanical drawing



200W



Features:

1. Ultra high voltage input(277Vac/347Vac/480Vac);
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Surge immunity: DM-4KV, CM-6KV;
6. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



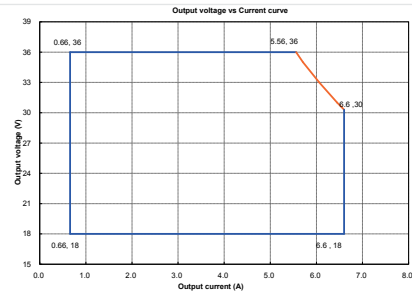
Technical parameters

Input voltage	(249~528)Vac	Protection functions	SCP
Input current	1.5A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

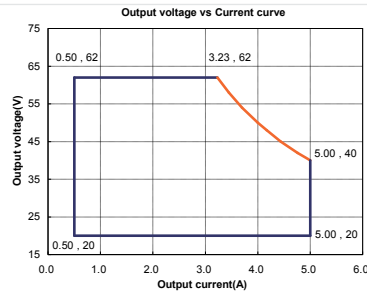
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LHP-200X036	200	18	36	5.56	6.60	36	5.50	91%
LHP-200X062	200	20	62	3.23	5.00	47	4.20	91%
LHP-200X120	200	60	120	1.67	2.80	72	2.80	91%
LHP-200X190	200	120	190	1.05	1.40	143	1.40	91%
LHP-200X305	200	190	305	0.65	1.00	285	0.70	91%

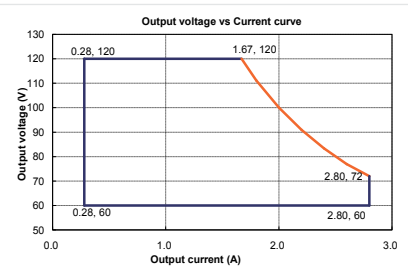
Output voltage vs Current curve



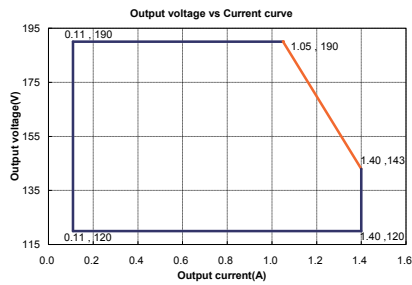
LHP-200X036



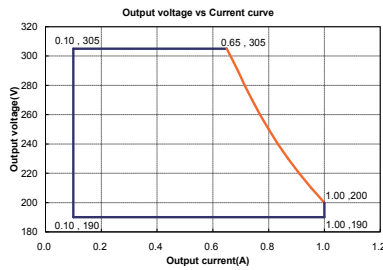
LHP-200X062



LHP-200X062

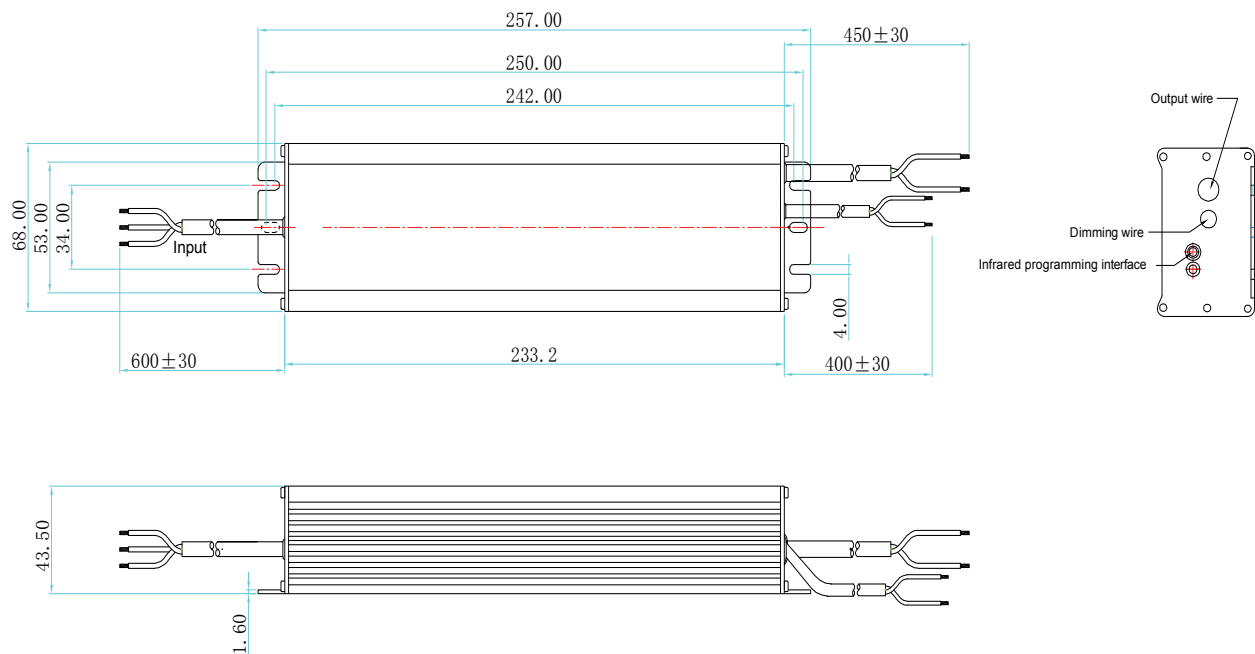


LHP-200X190



LHP-200X305

Mechanical drawing



240W



Under Development

Features:

1. Ultra high voltage input(277Vac/347Vac/480Vac);
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Surge immunity: DM-4KV, CM-6KV;
6. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



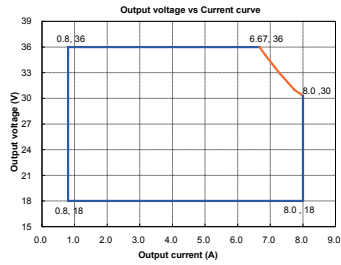
Technical parameters

Input voltage	(249~528)Vac	Protection functions	SCP
Input current	2.0A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

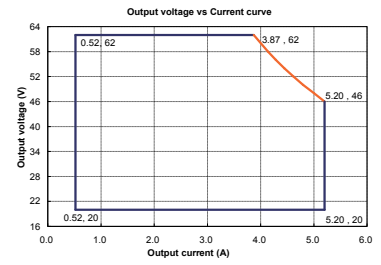
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LHP-240X036	240	18	36	6.67	8.00	36	6.67	92%
LHP-240X062	240	20	62	3.87	5.20	48	5.00	92%
LHP-240X180	240	80	180	1.33	2.10	170	1.40	92%
LHP-240X368	240	190	368	0.65	1.10	228	1.05	92%

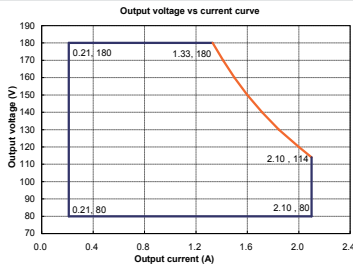
Output voltage vs Current curve



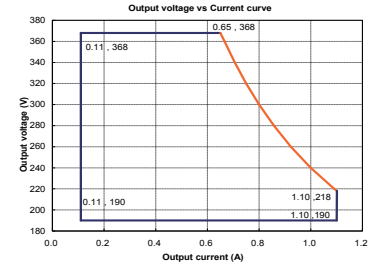
LHP-240X036



LHP-240X062

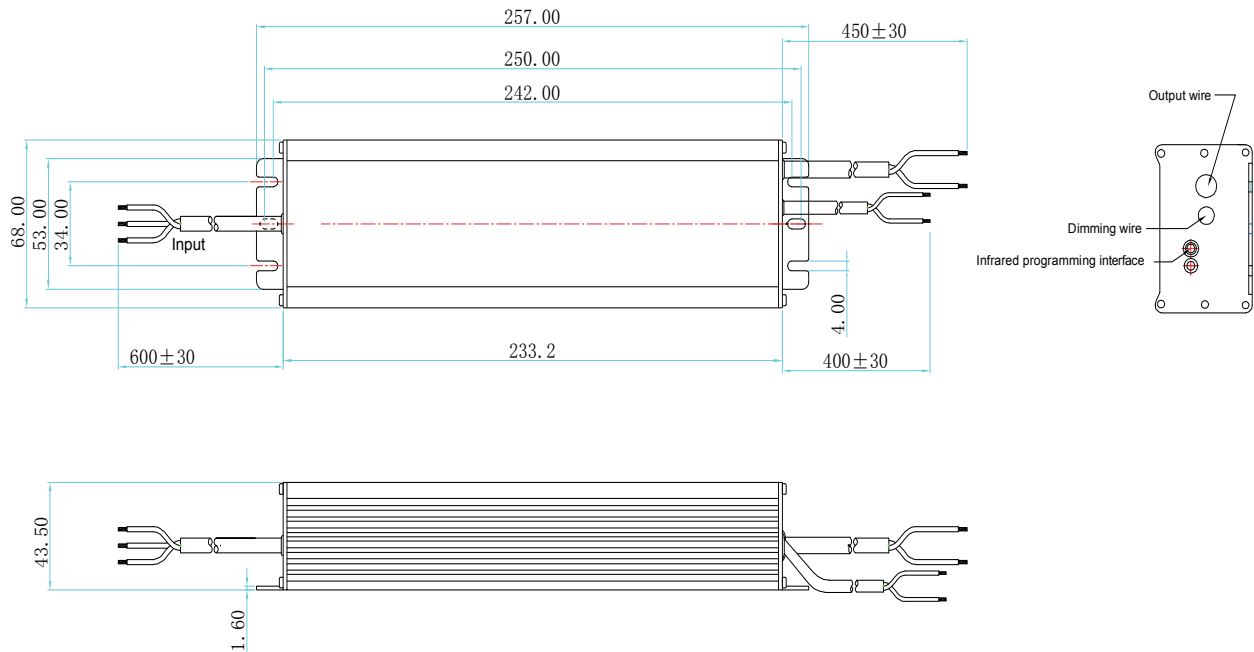


LHP-240X180



LHP-240X368

Mechanical drawing



320W



Under Development

Features:

1. Ultra high voltage input(277Vac/347Vac/480Vac);
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Surge immunity: DM-4KV, CM-6KV;
6. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.



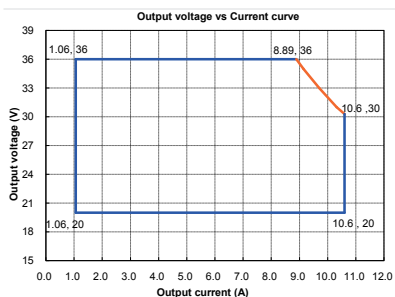
Technical parameters

Input voltage	(249~528)Vac	Protection functions	SCP
Input current	2.0A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		

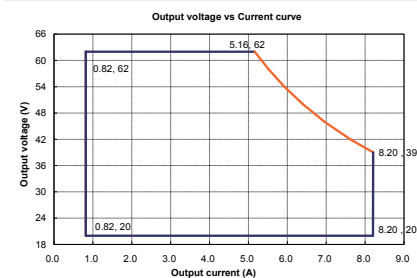
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LHP-320X036	320	20	36	8.89	10.60	36	8.90	92%
LHP-320X062	320	20	62	5.16	8.20	48	6.70	92%
LHP-320X230	320	120	230	1.39	2.10	228	1.40	93%

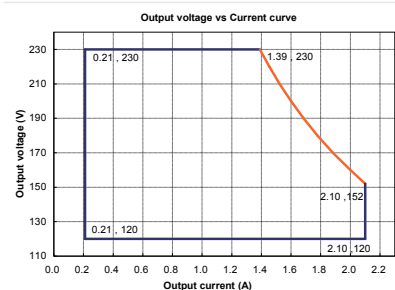
Output voltage vs Current curve



LHP-320X036

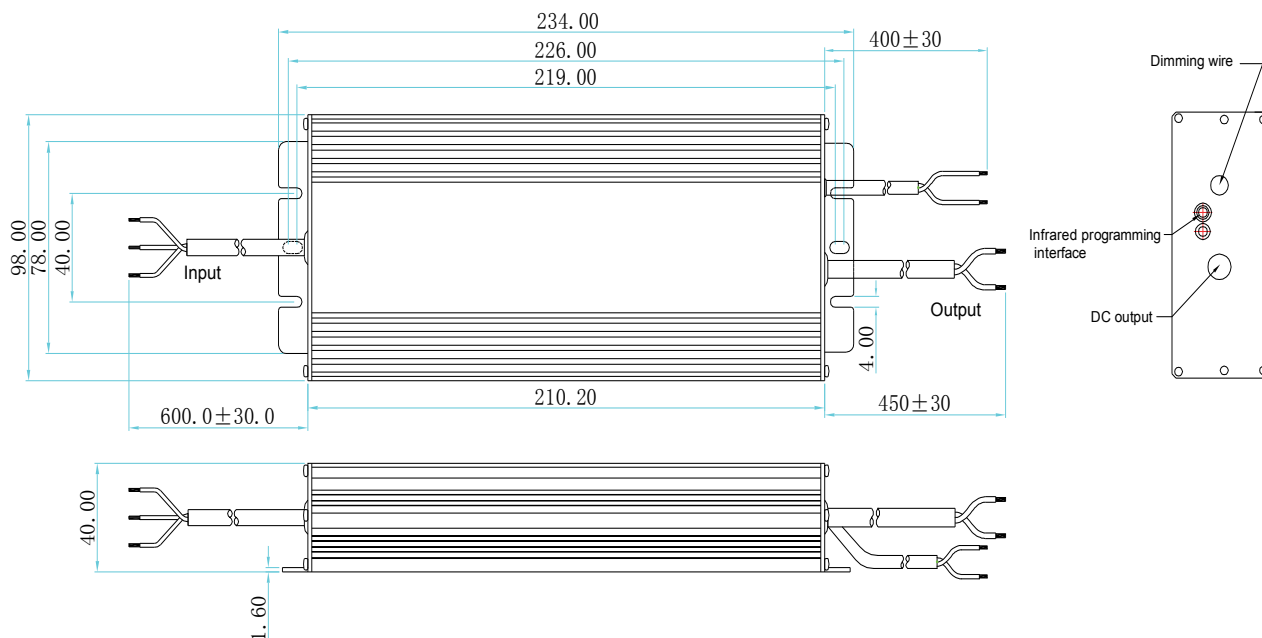


LHP-320X062



LHP-320X230

Mechanical drawing



Introduction

LCP Class II DALI Drivers

LCP series is designed for European market where has higher safety requirement, suitable for Class II application, the output power range is from 75W to 320W. Monitored by an infrared based programming device, the fully programmed drivers offer all dimming options and a wide range of output current in a single driver, which deliver maximum flexibility with customized operating settings and intelligent control options for OEMs, as one driver can be programmed for many different luminaire designs. LCP provides built-in timer dimming schedules further increasing the energy savings and CO2 reductions achieved with LED lighting. It also help clients to improve the management of logistics and stock. LCP offers interface for environment sensors / Dali control / light control system as well.

Application:

LED street lighting, industrial lighting, and landscape lighting.

CBCE



Product Features:

Compliant with Class II applications;

Use MCU control to limit delivered power, output current configurable, output voltage self-reacting;

Built-in 3-in-1 dimming and auto-react: 0–10Vdc, PWM signal, timer control;

DALI control is optional;

12V/0.2A auxiliary power supply is optional. Can be dim-to-off;

Signal amplitude can be 5V or 10V;

Equipped with interactive visual software to customize output setting;

Output and signal isolation;

Stand-by power consumption <1W;

Input voltage: (176 ~ 305)Vac;

Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature / Over voltage;

Surge immunity: DM–5KV;

IP67, glue potted, suitable for dry / wet / damp locations;

Complied with CE safety regulations;

Ambient temperature: –40°C ~ +60°C.



LCP Series

Quick Selection Guide

Model	Power (W)	Output voltage range(Vdc)		Rated output current adjustable range(A)		Default output spec		Eff.	PF	Physical dimension		
		Min.	Max.	Min.	Max.	Voltage (V)	Current (A)			L (mm)	W (mm)	H (mm)
LCP-075X041Y*	75	20	41	1.83	2.68	36	2.10	87%	0.95	178	68	39
LCP-075X062Y	75	20	62	1.21	1.88	54	1.40	87%	0.95	178	68	39
LCP-075X141Y	75	60	141	0.53	1.10	107	0.70	88%	0.96	178	68	39
LCP-075X270Y	75	120	270	0.28	0.53	214	0.35	88%	0.96	178	68	39
LCP-120X041Y	120	20	41	2.93	4.29	36	3.33	91%	0.96	217	68	43.5
LCP-120X062Y	120	20	62	1.93	3.00	48	2.50	92%	0.96	217	68	43.5
LCP-120X170Y	120	60	170	0.70	1.40	114	1.05	92%	0.96	217	68	43.5
LCP-120X305Y	120	120	305	0.40	0.70	171	0.70	92%	0.96	217	68	43.5
LCP-150X036Y	150	20	36	5.36	4.17	36	4.17	90%	0.96	217	68	43.5
LCP-150X054Y	150	20	54	2.80	4.20	48	3.13	90%	0.96	217	68	43.5
LCP-150X120Y	150	60	120	1.25	2.10	107	1.40	92%	0.96	217	68	43.5
LCP-150X214Y	150	80	214	0.70	1.10	143	1.05	92%	0.96	217	68	43.5
LCP-150X335Y	150	176	335	0.45	0.70	214	0.70	92%	0.96	217	68	43.5
LCP-200X041Y	200	20	41	4.88	7.00	36	5.56	90%	0.96	247	68	43.5
LCP-200X062Y	200	20	62	3.23	5.00	48	4.17	90%	0.96	247	68	43.5
LCP-200X120Y	200	60	120	1.67	2.80	72	2.80	91%	0.96	247	68	43.5
LCP-200X305Y	200	120	305	0.65	1.40	143	1.40	91%	0.96	247	68	43.5
LCP-200X445Y	200	230	445	0.45	0.70	286	0.70	91%	0.96	247	68	43.5
LCP-240X041Y	240	20	41	5.85	7.50	36	6.70	92%	0.96	247	68	43.5
LCP-240X062Y	240	20	62	3.87	5.20	48	5.00	92%	0.96	247	68	43.5
LCP-240X180Y	240	80	180	1.33	2.10	170	1.40	92%	0.96	247	68	43.5
LCP-240X368Y	240	190	368	0.65	1.10	228	1.05	92%	0.96	247	68	43.5
LCP-320X041Y	320	20	41	7.80	10.00	36	8.90	93%	0.96	234	98	40
LCP-320X062Y	320	20	62	5.16	8.20	48	6.70	92%	0.96	234	98	40
LCP-320X230Y	320	120	230	1.39	2.10	228	1.40	93%	0.96	234	98	40
LCP-320X457Y	320	235	457	0.70	1.10	457	0.70	93%	0.96	234	98	40

Note: X=R, Programmable step dimming; X=M, Programmable step dimming, 0-10V&PWM dimmable. X=D, dali dimmable, Y=A12, 12V/0.2A auxiliary power supply, following is the same.

Product Series Comparison Chart

Series	Power (W)	PFC ^{*1}		Input voltage range (VAC)	Output mode ^{*2}	IP	Dimming	Warranty (years)	Application
		Single stage	Two stage						
LDP	42/60	✓		90~305	CC+CP	67	3 in 1 ^{*3}	5	Outdoor Lighting
	75~320		✓				3 in 1		
LHP	60~320		✓	249~528	CC+CP	67	3 in 1	5	Outdoor Lighting
<i>LCP</i>	<i>75~320</i>		✓	<i>176~305</i>	<i>CC+CP</i>	<i>67</i>	<i>3 in 1</i>	<i>5</i>	<i>Outdoor Lighting</i>
LTP	60~240		✓	90~305	CC+CP	65	2 in 1 ^{*4}	5	Industrial Lighting
LSV	35~320		✓	90~305	CV	67		5	Landscape Lighting

Note:

1. Single stage PFC: Higher Ripple & Noise, Not recommended to use in regions with unstable grid; Two stage PFC: Lower Ripple & Noise, Suitable for LED lighting and general industrial application;
2. CV: constant voltage mode output, CC: constant current mode output, CP: constant power mode output;
3. 3 in 1 dimming: 0~10V/PWM/ timing control dimming. DALI dimming is optional in LCP Series;
4. 2 in 1 dimming: 0~10V/PWM dimming.

75W



Features:

1. Compliant with Class II applications;
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Can be dim-to-off;
6. DALI function is optional;
7. 12V/0.2A auxiliary power supply is optional;
8. Surge immunity: DM-5KV;
9. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

Technical parameters



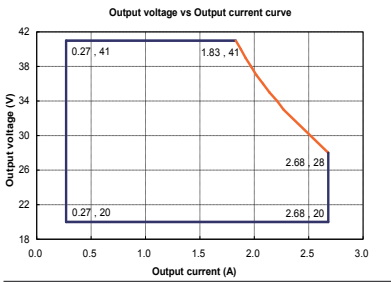
Input voltage	(176~305)Vac	Protection functions	SCP
Input current	0.5A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Timing control dimming
Operated temperature	-40℃ ~ +60℃		Dali dimming
Degrees of protection	IP67		

Specification

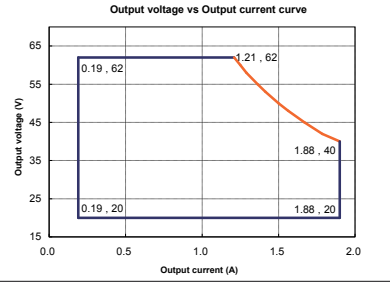
Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LCP-075X041	75	20	41	1.83	2.68	36	2.10	87%
LCP-075X062	75	20	62	1.21	1.88	54	1.40	87%
LCP-075X141	75	60	141	0.53	1.10	107	0.70	88%
LCP-075X270	75	120	270	0.28	0.53	214	0.35	88%

Note: All the parameters in brochure are tested under the ambient temperature , 25±10℃, and the PF, THD, efficiency is 230Vac, for details pls check the spec.

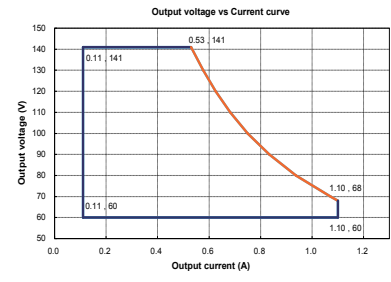
Output voltage vs Current curve



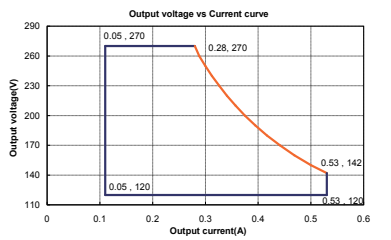
LCP-075X041



LCP-075X062

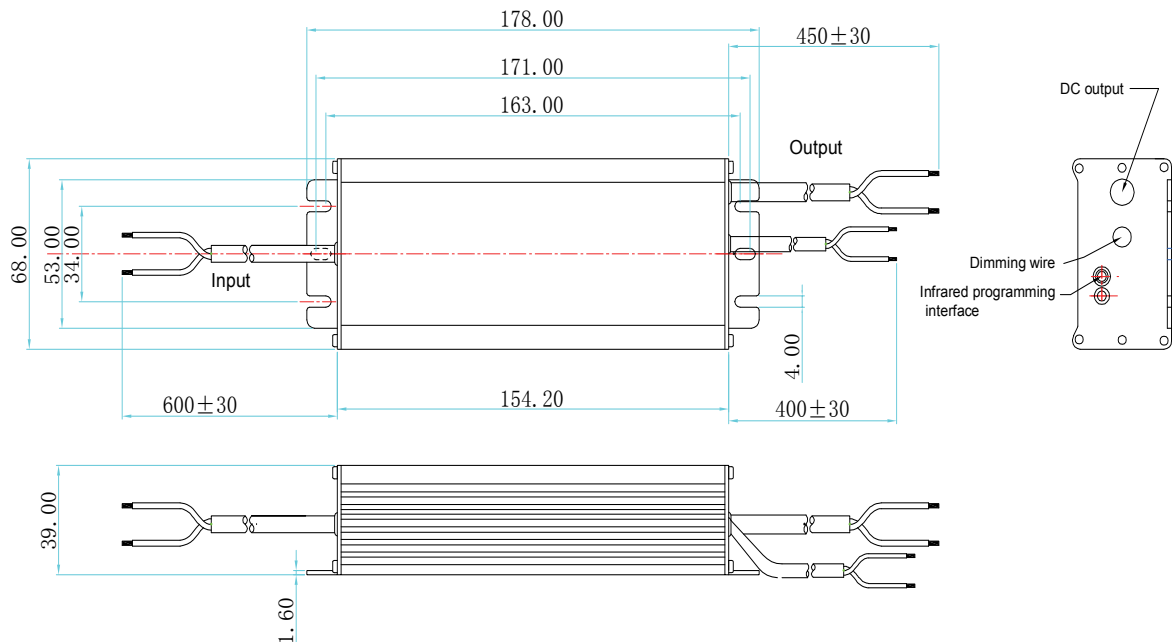


LCP-075X141



LCP-075X270

Mechanical drawing



120W



Features:

1. Compliant with Class II applications;
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Can be dim-to-off;
6. DALI function is optional;
7. 12V/0.2A auxiliary power supply is optional;
8. Surge immunity: DM-5KV;
9. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

Technical parameters

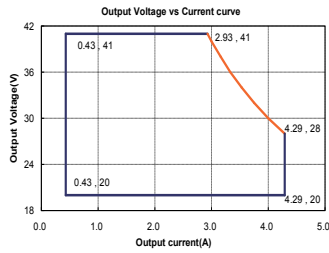
CB CE

Input voltage	(176~305)Vac	Protection functions	SCP
Input current	1.0A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Timing control dimming
Operated temperature	-40℃ ~ +60℃		Dali dimming
Degrees of protection	IP67		

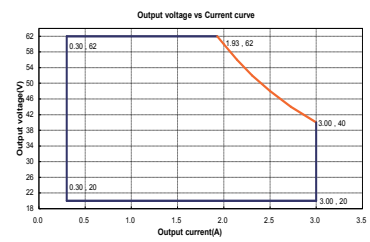
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LCP-120X041	120	20	41	2.93	4.29	36	3.33	91%
LCP-120X062	120	20	62	1.93	3.00	48	2.50	92%
LCP-120X170	120	60	170	0.70	1.40	114	1.05	92%
LCP-120X305	120	120	305	0.40	0.70	171	0.70	92%

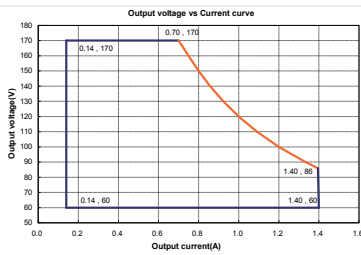
Output voltage vs Current curve



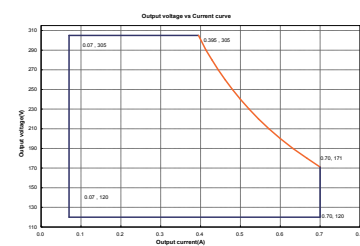
LCP-120X041



LCP-120X062

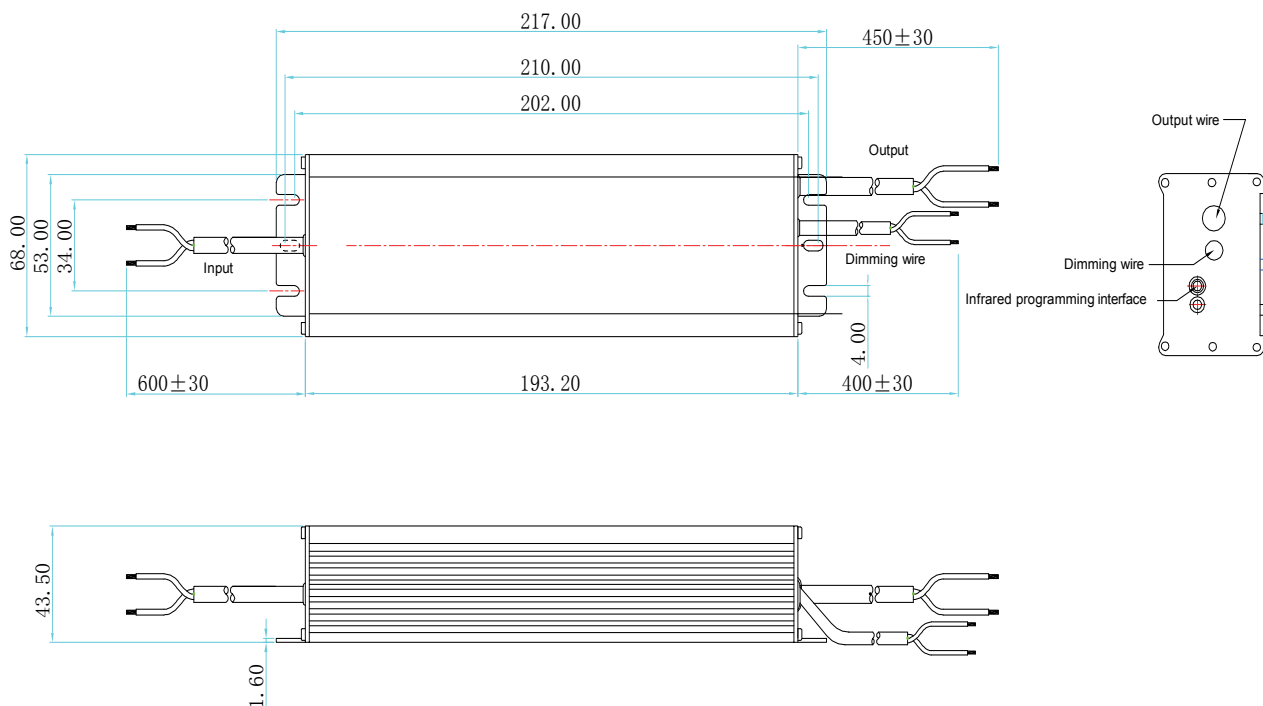


LCP-120X170



LCP-120X305

Mechanical drawing



150W



Features:

1. Compliant with Class II applications;
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Can be dim-to-off;
6. DALI function is optional;
7. 12V/0.2A auxiliary power supply is optional;
8. Surge immunity: DM-5KV;
9. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

Technical parameters

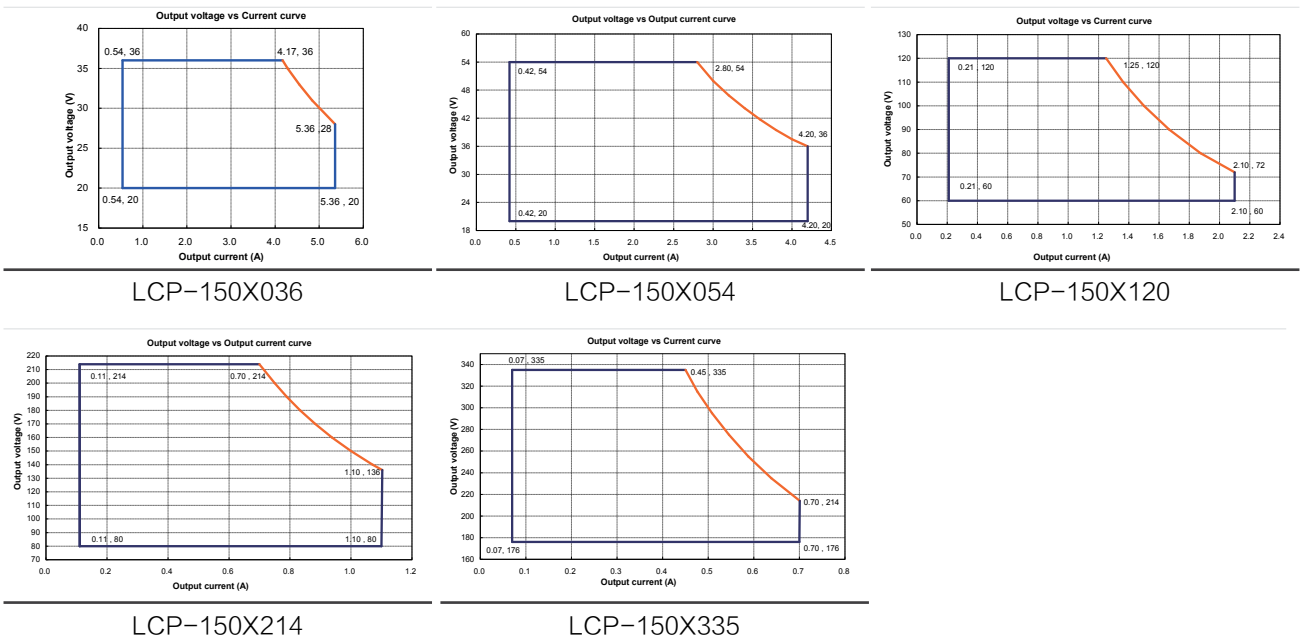
CB CE

Input voltage	(176~305)Vac	Protection functions	SCP
Input current	1.0A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Timing control dimming
Operated temperature	-40℃ ~ +60℃		Dali dimming
Degrees of protection	IP67		

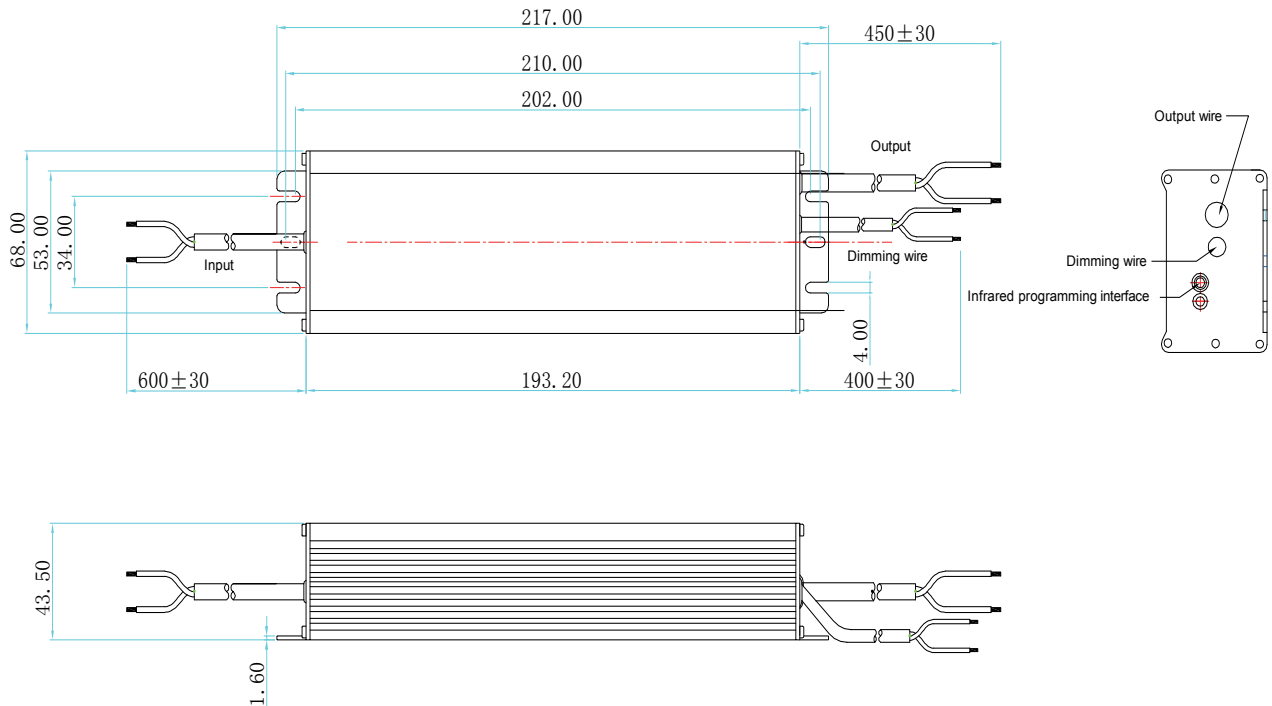
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LCP-150X036	150	20	36	5.36	4.17	36	4.17	90%
LCP-150X054	150	20	54	2.80	4.20	48	3.13	90%
LCP-150X120	150	60	120	1.25	2.10	107	1.40	92%
LCP-150X214	150	80	214	0.70	1.10	143	1.05	92%
LCP-150X335	150	176	335	0.45	0.70	214	0.70	92%

Output voltage vs Current curve



Mechanical drawing



200W



Features:

1. Compliant with Class II applications;
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Can be dim-to-off;
6. DALI function is optional;
7. 12V/0.2A auxiliary power supply is optional;
8. Surge immunity: DM-5KV;
9. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

Technical parameters

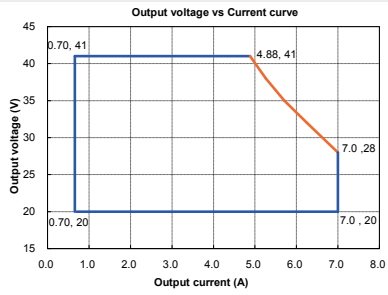
CB CE

Input voltage	(176~305)Vac	Protection functions	SCP
Input current	1.0A		OTP
Inrush current	75A		
Power factor	0.96	Intelligent control	0-10V dimming
THD	≤15%		PWM dimming
Operated temperature	-40℃ ~ +60℃		Timing control dimming
Degrees of protection	IP67		Dali dimming

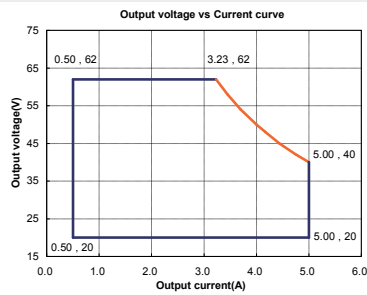
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LCP-200X041	200	20	41	4.88	7.00	36	5.56	90%
LCP-200X062	200	20	62	3.23	5.00	48	4.17	90%
LCP-200X120	200	60	120	1.67	2.80	72	2.80	91%
LCP-200X305	200	120	305	0.65	1.40	143	1.40	91%
LCP-200X445	200	230	445	0.45	0.70	286	0.70	91%

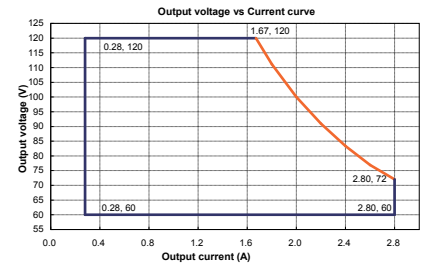
Output voltage vs Current curve



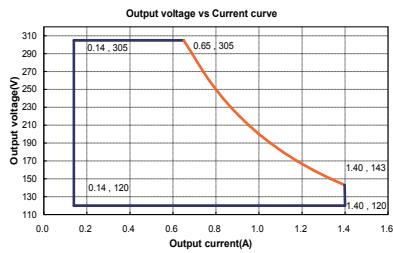
LCP-200X041



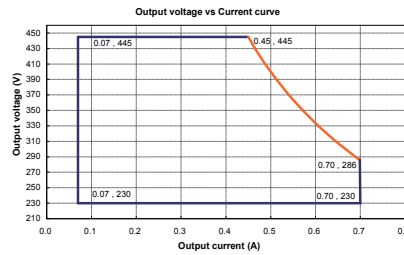
LCP-200X062



LCP-200X120

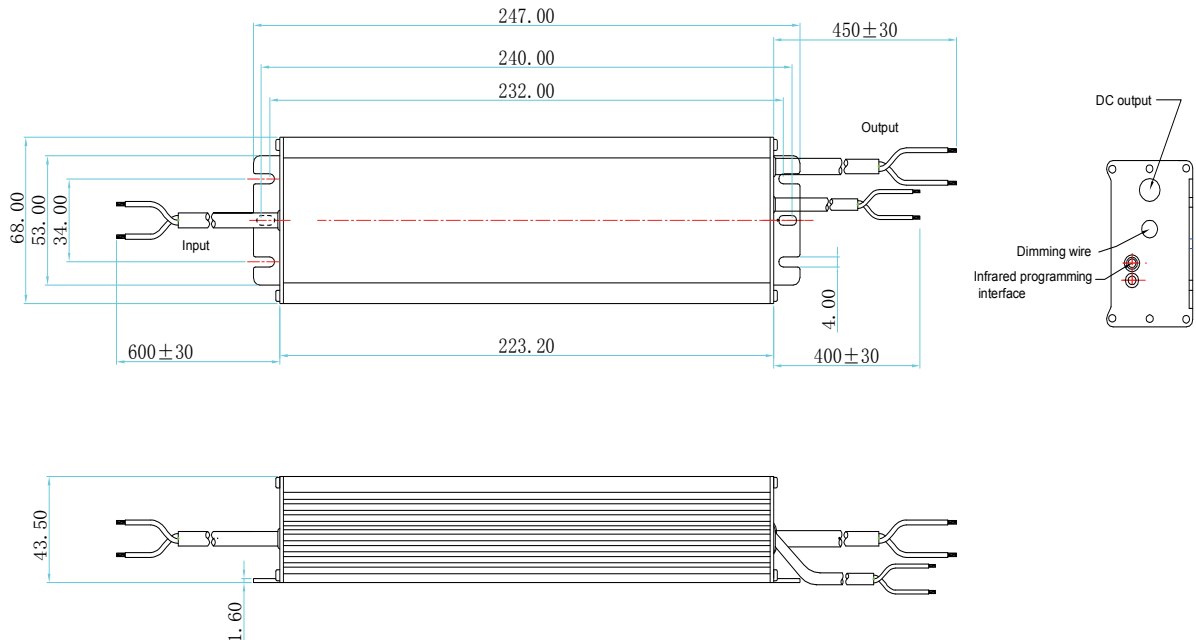


LCP-200X305



LCP-200X445

Mechanical drawing



240W



Features:

1. Compliant with Class II applications;
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Can be dim-to-off;
6. DALI function is optional;
7. 12V/0.2A auxiliary power supply is optional;
8. Surge immunity: DM-5KV;
9. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

Technical parameters

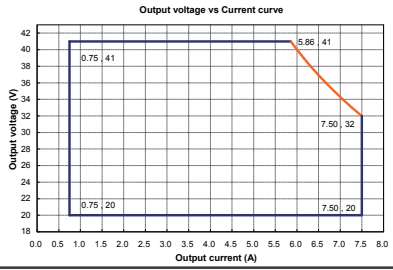
CB CE

Input voltage	(176~305)Vac	Protection functions	SCP
Input current	2.0A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Timing control dimming
Operated temperature	-40℃ ~ +60℃		Dali dimming
Degrees of protection	IP67		

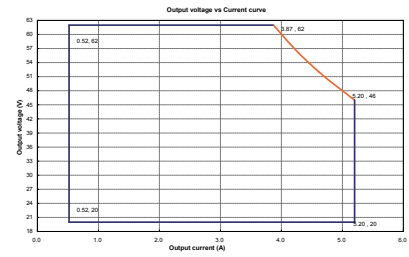
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LCP-240X041	240	20	41	5.86	7.50	36	6.70	92%
LCP-240X062	240	20	62	3.87	5.20	48	5.00	92%
LCP-240X180	240	80	180	1.33	2.10	170	1.40	92%
LCP-240X368	240	190	368	0.65	1.10	228	1.05	92%

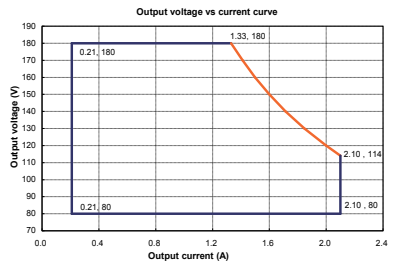
Output voltage vs Current curve



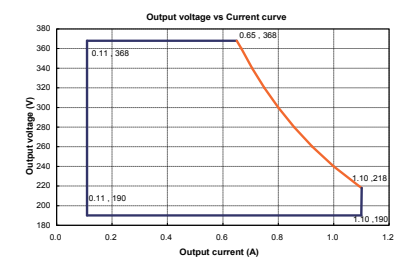
LCP-240X041



LCP-240X062

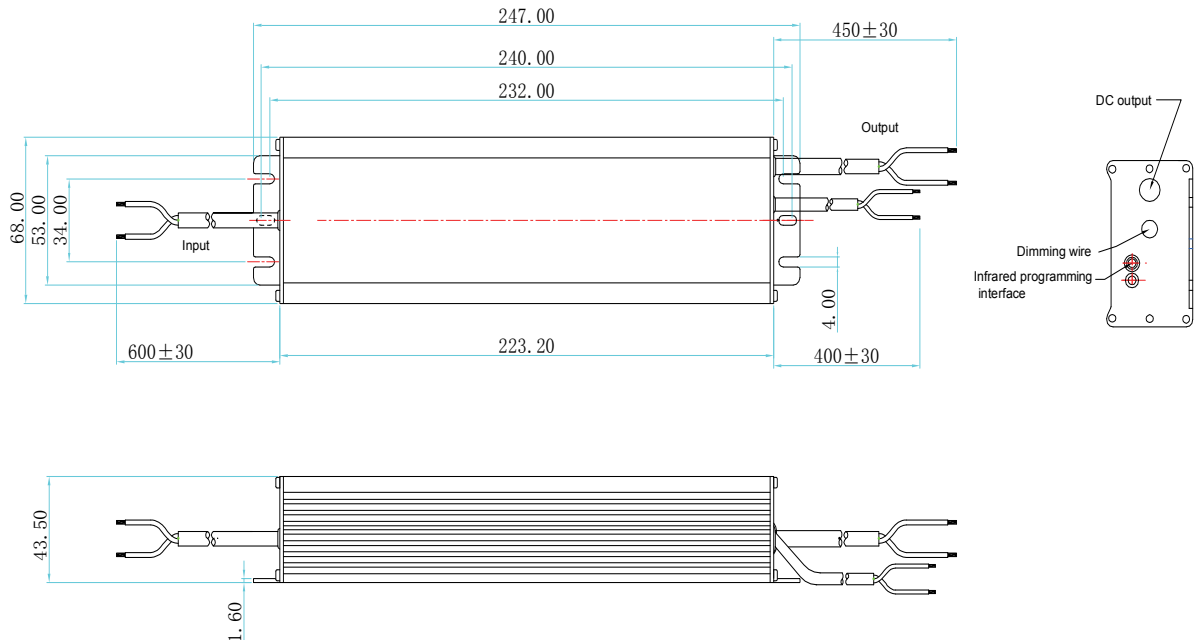


LCP-240X180



LCP-240X368

Mechanical drawing



320W



Under Development

Features:

1. Compliant with Class II applications;
2. Constant power design, output current adjustable;
3. Setting current with infrared controller or software interface;
4. 3 in 1 dimming mode: 0-10V, PWM, Timing control;
5. Can be dim-to-off;
6. DALI function is optional;
7. 12V/0.2A auxiliary power supply is optional;
8. Surge immunity: DM-5KV;
9. 5 years warranty.

Application:

LED street lighting, industrial lighting, and landscape lighting.

Technical parameters

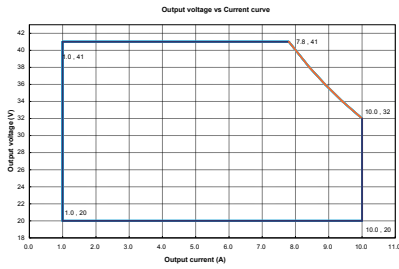
CB CE

Input voltage	(176~305)Vac	Protection functions	SCP
Input current	2.0A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Timing control dimming
Operated temperature	-40℃ ~ +60℃		Dali dimming
Degrees of protection	IP67		

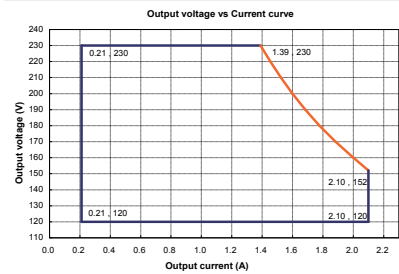
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LCP-320X041	320	20	41	7.80	10.00	36	8.90	92%
LCP-320X062	320	20	62	5.16	8.20	48	6.70	92%
LCP-320X230	320	120	230	1.39	2.10	228	1.40	93%
LCP-320X457	320	235	457	0.70	1.10	457	0.70	93%

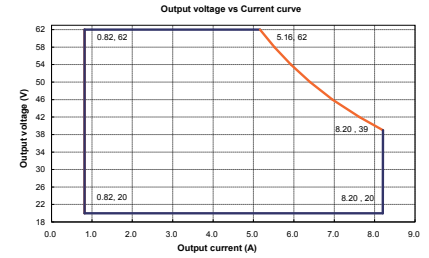
Output voltage vs Current curve



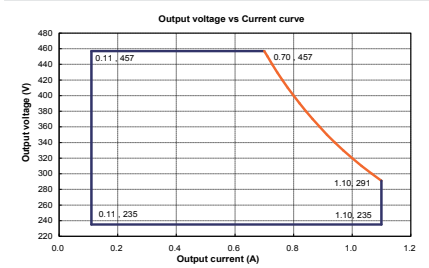
LCP-320X041



LCP-320X230

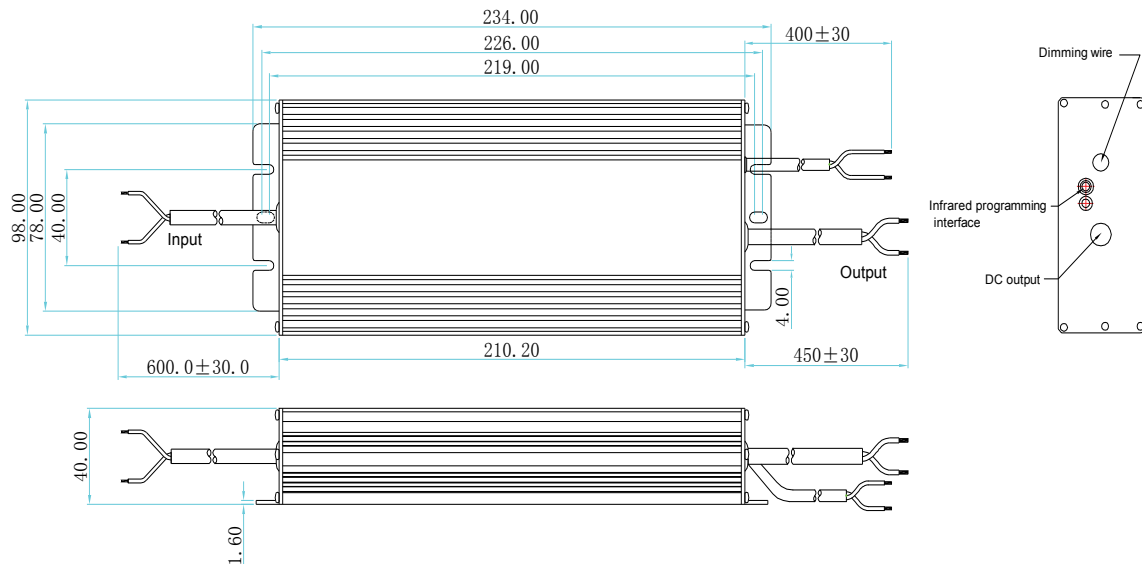


LCP-320X062



LCP-320X457

Mechanical drawing



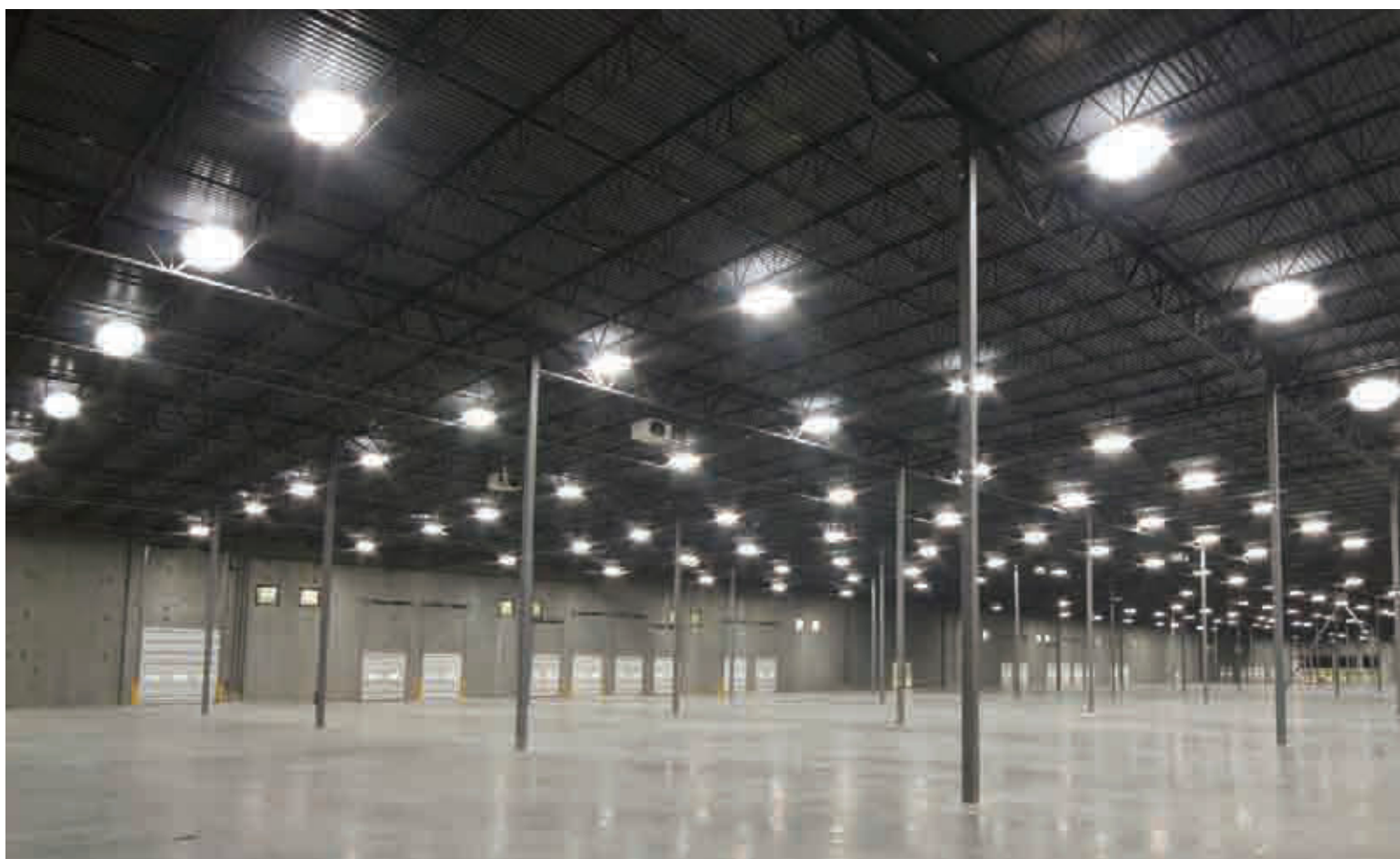
Introduction

LTP Circular Highbay Drivers

LTP series is new generation intelligent power supply with high reliability, the output power range: 60W–240W. This series products creatively integrated limited power, 0–10V/PWM dimming, dali control is optional. The output can adapted with wide load and adjust the output parameter through potentiometer. The round shape integrated structure has excellent heat dissipation to meet the request of industrial lighting.

Application:

Suitable for industrial lighting.



Product Features:

Use MCU control to limit delivered power, output current configurable, output voltage self-reacting;

Built-in 2-in-1 dimming and auto-react: 0-10Vdc, PWM signal, dali control is optional;

Universal input voltage: (90 ~ 305)Vac;

Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature;

Optional accessories: Ring(Hook), Holder;

Surge immunity: DM-4KV, CM-6KV;

Degrees of protection: IP65;

Complied with CCC/CE/UL safety regulations;

Ambient temperature: -40°C ~ +60°C.



LTP Series

Quick Selection Guide

Model	Power (W)	Output voltage range(Vdc)		Rated output current adjustable range(A)		Default output spec		Eff.	PF	Physical dimension	
		Min.	Max.	Min.	Max.	Voltage (V)	Current (A)			D(mm)	H(mm)
LTP-060Y045*	60	14	28	1.33	2.14	36	1.67	87%	0.96	130	66.5
LTP-060Y086	60	29	86	0.70	1.05	86	0.70	87%	0.96	130	66.5
LTP-100Y036	100	14	36	2.78	3.57	36	2.78	91%	0.96	130	66.5
LTP-100Y054	100	21	54	1.85	2.38	54	1.85	92%	0.96	130	66.5
LTP-100Y071	100	27	71	1.40	1.85	71	1.40	92%	0.96	130	66.5
LTP-100Y143	100	48	143	0.70	1.05	143	0.70	92%	0.96	130	66.5
LTP-160Y036	160	14	36	4.44	5.71	36	4.44	92%	0.96	152	69.3
LTP-160Y062	160	21	62	2.58	3.80	54	2.96	92%	0.96	152	69.3
LTP-160Y114	160	38	114	1.40	2.10	114	1.40	93%	0.96	152	69.3
LTP-160Y228	160	76	228	0.70	1.05	228	0.70	93%	0.96	152	69.3
LTP-200Y036	200	14	36	5.55	7.14	36	5.56	91%	0.96	190.6	74.8
LTP-200Y062	200	21	62	3.23	4.76	54	3.70	92%	0.96	190.6	74.8
LTP-200Y100	200	33	100	2.00	3.00	71	2.80	92%	0.96	190.6	74.8
LTP-200Y285	200	95	285	0.70	1.05	285	0.70	93%	0.96	190.6	74.8
LTP-240Y036	240	17	36	6.67	7.05	36	6.67	91%	0.96	190.6	74.8
LTP-240Y062	240	21	62	3.87	5.71	54	4.44	92%	0.96	190.6	74.8
LTP-240Y342	240	114	342	0.70	1.05	342	0.70	93%	0.96	190.6	74.8

Note: Y=M, with 0–10V/PWM dimming function; Y=D, with dali dimming function; Y=V, output current djustable; following is the same.

Product Series Comparison Chart

Series	Power (W)	PFC ^{*1}		Input voltage range (VAC)	Output mode ^{*2}	IP	Dimming	Warranty (years)	Application
		Single stage	Two stage						
LDP	42/60	✓		90~305	CC+CP	67	3 in 1 ^{*3}	5	Outdoor Lighting
	75~320		✓				3 in 1		
LHP	60~320		✓	249~528	CC+CP	67	3 in 1	5	Outdoor Lighting
LCP	75~320		✓	176~305	CC+CP	67	3 in 1	5	Outdoor Lighting
<i>LTP</i>	<i>60~240</i>		✓	<i>90~305</i>	<i>CC+CP</i>	<i>65</i>	<i>2 in 1 ^{*4}</i>	<i>5</i>	<i>Industrial Lighting</i>
LSV	35~320		✓	90~305	CV	67		5	Landscape Lighting

Note:

1. Single stage PFC: Higher Ripple & Noise, Not recommended to use in regions with unstable grid; Two stage PFC: Lower Ripple & Noise, Suitable for LED lighting and general industrial application;
2. CV: constant voltage mode output, CC: constant current mode output, CP: constant power mode output;
3. 3 in 1 dimming: 0~10V/PWM/ timing control dimming. DALI dimming is optional in LCP Series;
4. 2 in 1 dimming: 0~10V/PWM dimming.

60W



Features:

1. Constant power design, output current adjustable;
2. Setting current with a built-in variable resistor;
3. 2 in 1 dimming mode: 0-10V, PWM dimming;
4. Surge immunity: DM-4KV, CM-6KV;
5. 5 years warranty.

Application:

Suitable for industrial lighting.

Under Development



Technical parameters

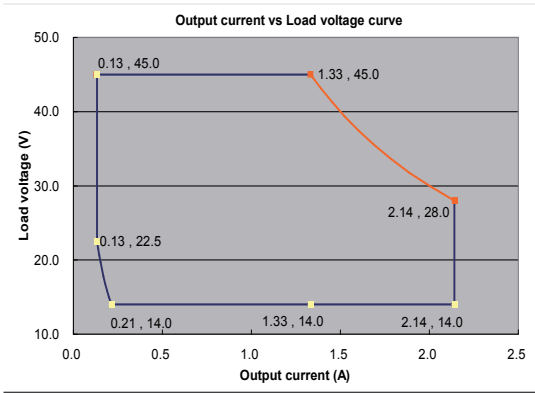
Input voltage	(90~305)Vac	Protection functions	SCP
Input current	1.5A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Dali control is optional
Operated temperature	-40℃ ~ +60℃		
Degrees of protection	IP65		

Specification

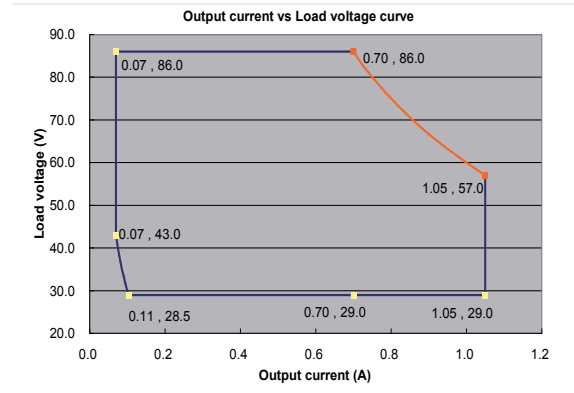
Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LTP-060Y045	60	14	45	1.33	2.14	36	1.67	87%
LTP-060Y086	60	29	86	0.70	1.05	86	0.70	87%

Note: All the parameters in brochure are tested under the ambient temperature , 25 ± 10℃, and the PF, THD, efficiency is 230Vac, for details pls check the spec.

Output voltage vs Current curve

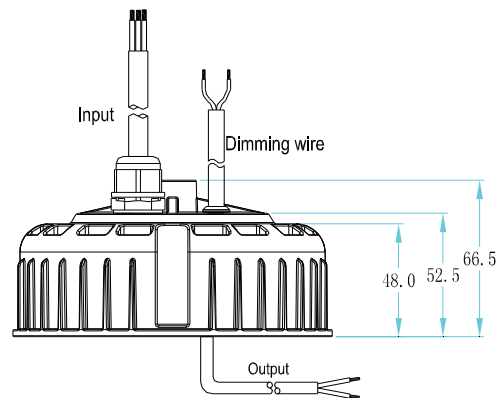
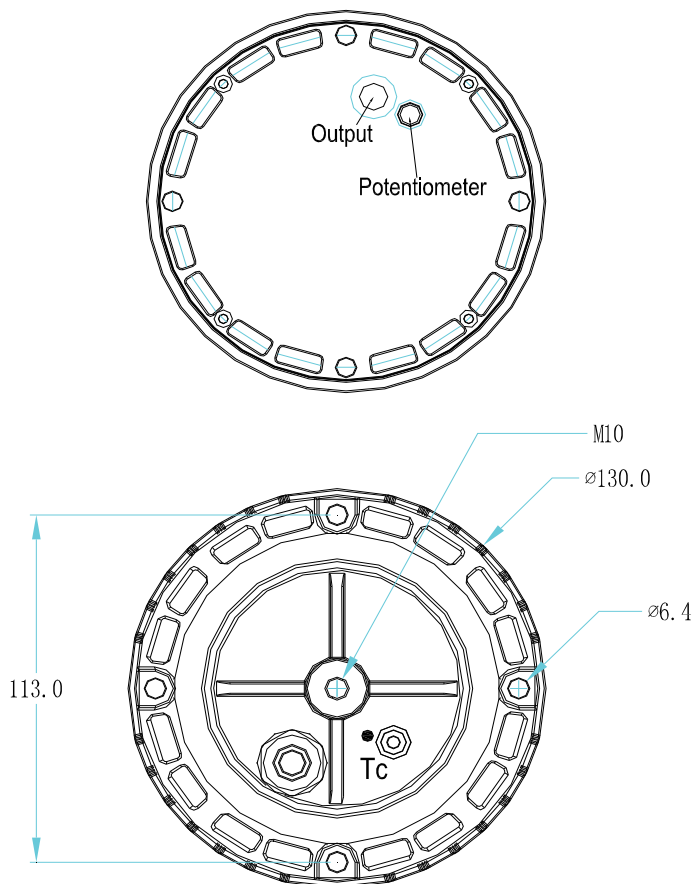


LTP-060Y045



LTP-060Y086

Mechanical drawing



100W



Features:

1. Constant power design, output current adjustable;
2. Setting current with a built-in variable resistor;
3. 2 in 1 dimming mode: 0-10V, PWM dimming;
4. Surge immunity: DM-4KV, CM-6KV;
5. 5 years warranty.

Application:

Suitable for industrial lighting.



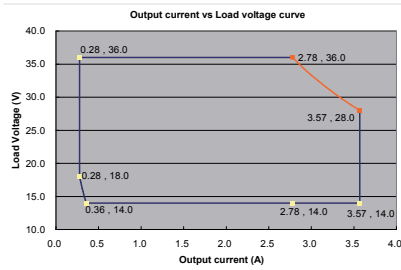
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	1.5A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Dali control is optional
Operated temperature	-40℃ ~ +60℃		
Degrees of protection	IP65		

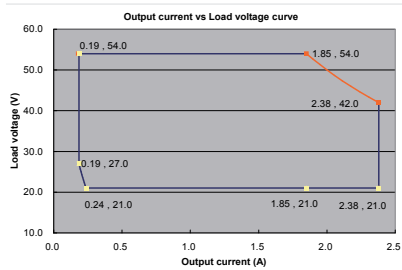
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LTP-100Y036	100	14	36	2.78	3.57	36	2.78	91%
LTP-100Y054	100	21	54	1.85	2.38	54	1.85	92%
LTP-100Y071	100	27	71	1.40	1.83	71	1.40	92%
LTP-100Y143	100	48	143	0.70	1.05	143	0.70	92%

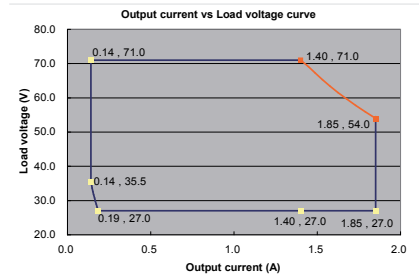
Output voltage vs Current curve



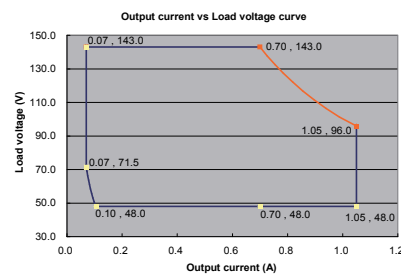
LTP-100Y036



LTP-100Y054

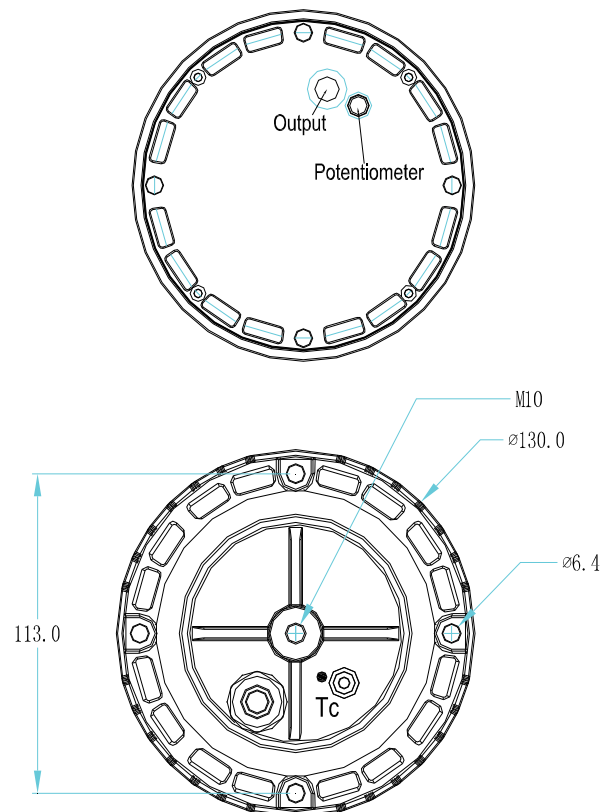
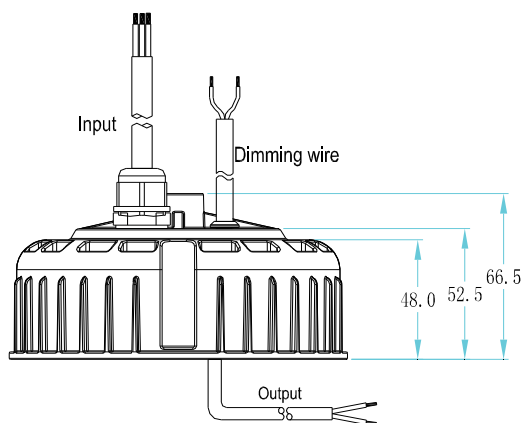


LTP-100Y071



LTP-100Y143

Mechanical drawing



160W



Features:

1. Constant power design, output current adjustable;
2. Setting current with a built-in variable resistor;
3. 2 in 1 dimming mode: 0-10V, PWM dimming;
4. Surge immunity: DM-4KV, CM-6KV;
5. 5 years warranty.

Application:

Suitable for industrial lighting.



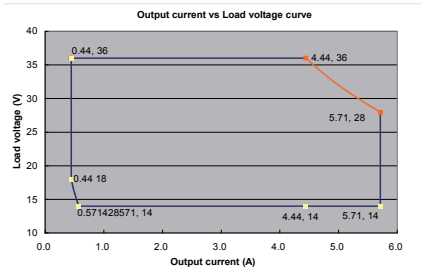
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	2.0A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Dali control is optional
Operated temperature	-40℃ ~ +60℃		
Degrees of protection	IP65		

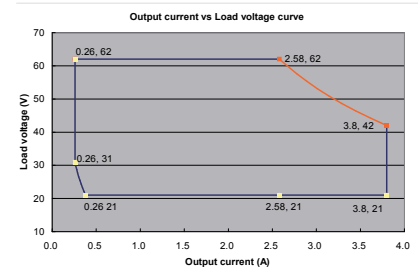
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LTP-160Y036	160	14	36	4.44	5.71	36	4.44	92%
LTP-160Y062	160	21	62	2.58	3.80	54	2.96	92%
LTP-160Y114	160	38	114	1.40	2.10	114	1.40	93%
LTP-160Y228	160	76	228	0.70	1.05	228	0.70	93%

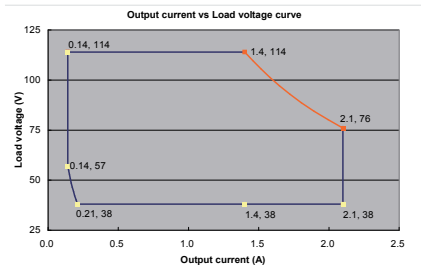
Output voltage vs Current curve



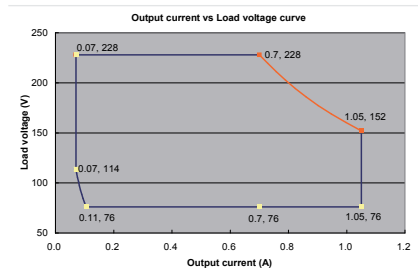
LTP-160Y036



LTP-160Y062

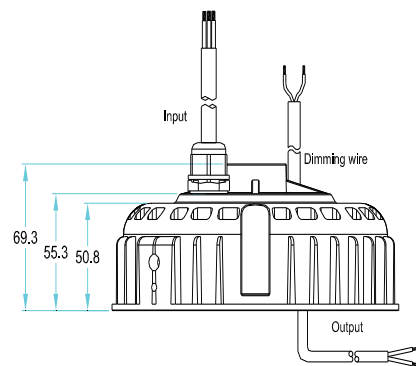
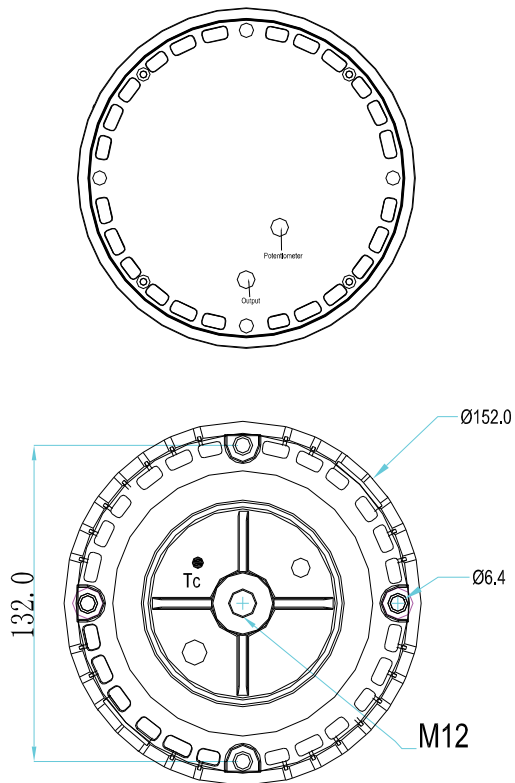


LTP-160Y114



LTP-160Y228

Mechanical drawing



200W



Features:

1. Constant power design, output current adjustable;
2. Setting current with a built-in variable resistor;
3. 2 in 1 dimming mode: 0-10V, PWM dimming;
4. Surge immunity: DM-4KV, CM-6KV;
5. 5 years warranty.

Application:

Suitable for industrial lighting.



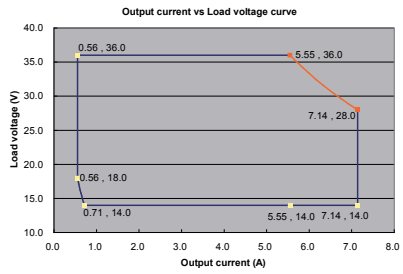
Technical parameters

Input voltage	(90~305)Vac	Protection functions	SCP
Input current	2.8A		OTP
Inrush current	75A	Intelligent control	0-10V dimming
Power factor	0.96		PWM dimming
THD	≤15%		Dali control is optional
Operated temperature	-40℃ ~ +60℃		
Degrees of protection	IP65		

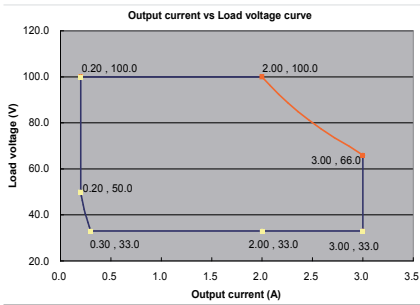
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LTP-200Y036	200	14	36	5.55	7.14	36	5.56	91%
LTP-200Y062	200	21	62	3.23	4.76	54	3.70	92%
LTP-200Y100	200	33	100	2.00	3.00	71	2.80	92%
LTP-200Y285	200	95	285	0.70	1.05	285	0.70	93%

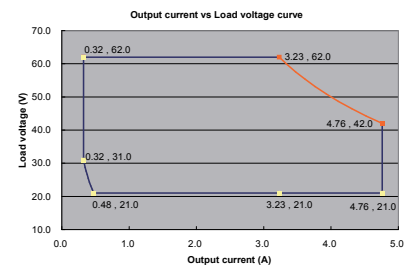
Output voltage vs Current curve



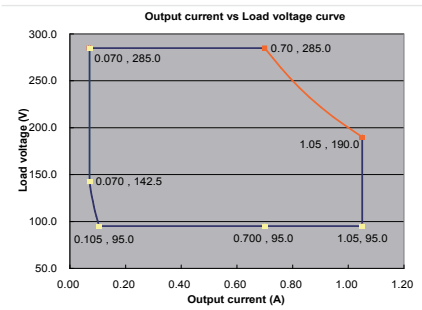
LTP-200Y036



LTP-200Y100

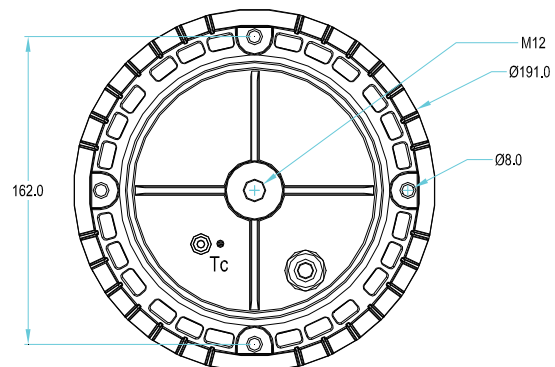
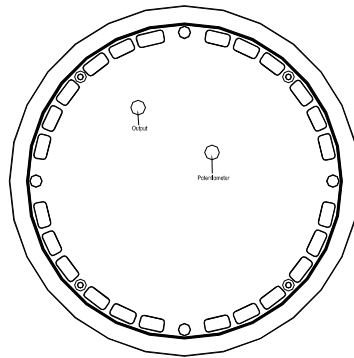
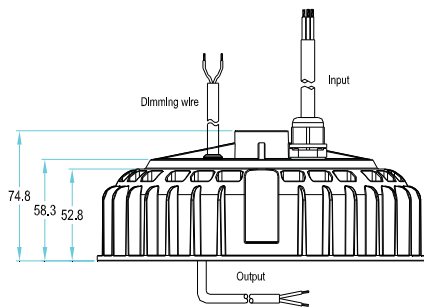


LTP-200Y062



LTP-200Y285

Mechanical drawing



240W



Features:

1. Constant power design, output current adjustable;
2. Setting current with a built-in variable resistor;
3. 2 in 1 dimming mode: 0-10V, PWM dimming;
4. Surge immunity: DM-4KV, CM-6KV;
5. 5 years warranty.

Application:

Suitable for industrial lighting.



Technical parameters

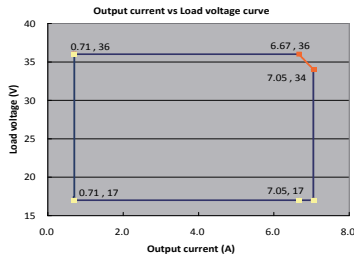
Input voltage	(90~305)Vac
Input current	3.3A
Inrush current	75A
Power factor	0.96
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP65

Protection functions	SCP
	OTP
Intelligent control	0-10V dimming
	PWM dimming
	Dali control is optional

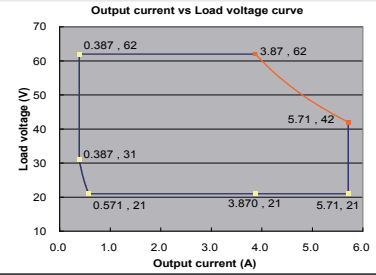
Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current adjustable range(A)		Default output spec		Eff.
		Min.	Max.	Min.	Max.	Voltage(V)	Current(A)	
LTP-240Y036	240	17	36	6.67	7.05	36	6.67	91%
LTP-240Y062	240	21	62	3.87	5.71	54	4.44	92%
LTP-240Y342	240	114	342	0.70	1.05	342	0.70	93%

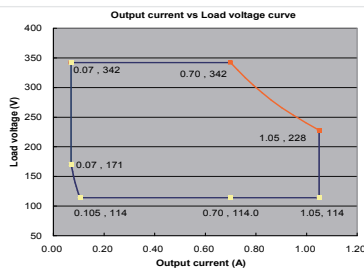
Output voltage vs Current curve



LTP-240Y036

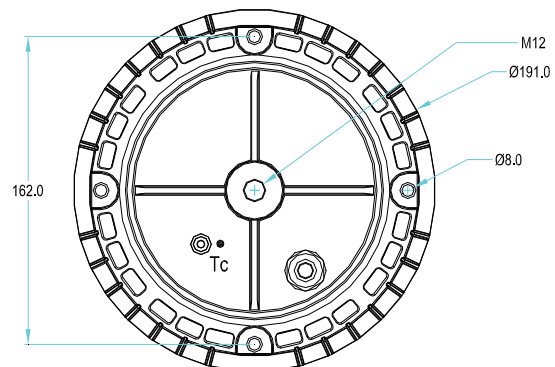
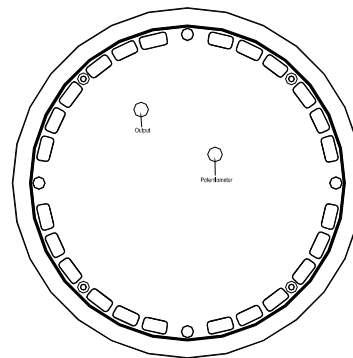
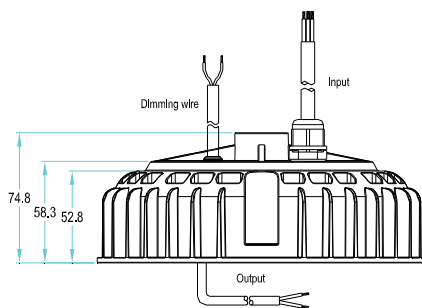


LTP-240Y062



LTP-240Y342

Mechanical drawing



Introduction

LSV Constant Voltage Drivers

LSV series is constant voltage led driver, designed for lighting used for landscape illumination. The driver has built-in active PFC, multiple protections, and 10KV surge immunity, it's an excellent design with high reliability and long life time. There are power selections from 35W to 320W, with 12V / 24V / 36V / 48V output voltage.

Application:

Suitable for landscape lighting.



Product Features:

Constant voltage design;

Active power factor correction;

High efficiency, high reliability;

High power factor > 0.96 (@230Vac, 100% Load);

Universal input voltage: (90 ~ 305)Vac;

Overall protection: Short circuit / Over temperature / Over voltage / Over load;

Surge immunity: DM-5KV, CM-10KV;

IP67, glue potted, suitable for dry / wet / damp locations;

Complied with CCC/CE/UL safety regulations;

Ambient temperature: -40°C to $+60^{\circ}\text{C}$.



LSV Series

Quick Selection Guide

Model	Output power (W)	Output voltage (Vdc)	output current (A)	Eff.	PF	Physical dimension		
						L(mm)	W(mm)	H(mm)
LSV-035B012	35	12	0-2.92	84%	0.95	199	42.5	34.5
LSV-035B024	35	24	0-1.46	84%	0.95	199	42.5	34.5
LSV-035B036	35	36	0-0.98	85%	0.95	199	42.5	34.5
LSV-035B048	35	48	0-0.73	85%	0.95	199	42.5	34.5
LSV-050B012	50	12	0-4.17	85%	0.95	199	42.5	34.5
LSV-050B024	50	24	0-2.10	85%	0.95	199	42.5	34.5
LSV-050B036	50	36	0-1.40	86%	0.95	199	42.5	34.5
LSV-050B048	50	48	0-1.05	86%	0.95	199	42.5	34.5
LSV-075B012	75	12	0-6.25	87%	0.96	164	68	39
LSV-075B024	75	24	0-3.13	87%	0.96	164	68	39
LSV-075B036	75	36	0-2.08	87%	0.96	164	68	39
LSV-075B048	75	48	0-1.56	88%	0.96	164	68	39
LSV-100B012	100	12	0-8.33	91%	0.96	178	68	39
LSV-100B024	100	24	0-4.17	91%	0.96	178	68	39
LSV-100B036	100	36	0-2.78	91%	0.96	178	68	39
LSV-100B048	100	48	0-2.08	92%	0.96	178	68	39
LSV-150B012	150	12	0-12.50	91%	0.96	207	68	39
LSV-150B024	150	24	0-6.25	92%	0.96	207	68	39
LSV-150B036	150	36	0-4.17	92%	0.96	207	68	39
LSV-150B048	150	48	0-3.13	92%	0.96	207	68	39
LSV-200B012	200	12	0-16.67	91%	0.96	232	68	43.5
LSV-200B024	200	24	0-8.33	92%	0.96	232	68	43.5
LSV-200B036	200	36	0-5.56	92%	0.96	247	68	43.5
LSV-200B048	200	48	0-4.17	92%	0.96	247	68	43.5
LSV-320B012	320	12	0-22.00	91%	0.96	234	98	40
LSV-320B024	320	24	0-13.33	92%	0.96	234	98	40
LSV-320B036	320	36	0-8.90	92%	0.96	234	98	40
LSV-320B048	320	48	0-6.67	92%	0.96	234	98	40

Product Series Comparison Chart

Series	Power (W)	PFC ^{*1}		Input voltage range (VAC)	Output mode ^{*2}	IP	Dimming	Warranty (years)	Application
		Single stage	Two stage						
LDP	42/60	✓		90~305	CC+CP	67	3 in 1 ^{*3}	5	Outdoor Lighting
	75~320		✓				3 in 1		
LHP	60~320		✓	249~528	CC+CP	67	3 in 1	5	Outdoor Lighting
LCP	75~320		✓	176~305	CC+CP	67	3 in 1	5	Outdoor Lighting
LTP	60~240		✓	90~305	CC+CP	65	2 in 1 ^{*4}	5	Industrial Lighting
LSV	35~320		✓	90~305	CV	67		5	Landscape Lighting

Note:

1. Single stage PFC: Higher Ripple & Noise, Not recommended to use in regions with unstable grid; Two stage PFC: Lower Ripple & Noise, Suitable for LED lighting and general industrial application;
2. CV: constant voltage mode output, CC: constant current mode output, CP: constant power mode output;
3. 3 in 1 dimming: 0~10V/PWM/ timing control dimming. DALI dimming is optional in LCP Series;
4. 2 in 1 dimming: 0~10V/PWM dimming.

35W/50W



Features:

1. Constant voltage design;
2. Active power factor correction;
3. SELV;
4. Overall protection: SCP, OCP, OVP, OTP;
5. Surge immunity: DM-4KV, CM-6KV;

Application:

Suitable for landscape lighting.



Technical parameters

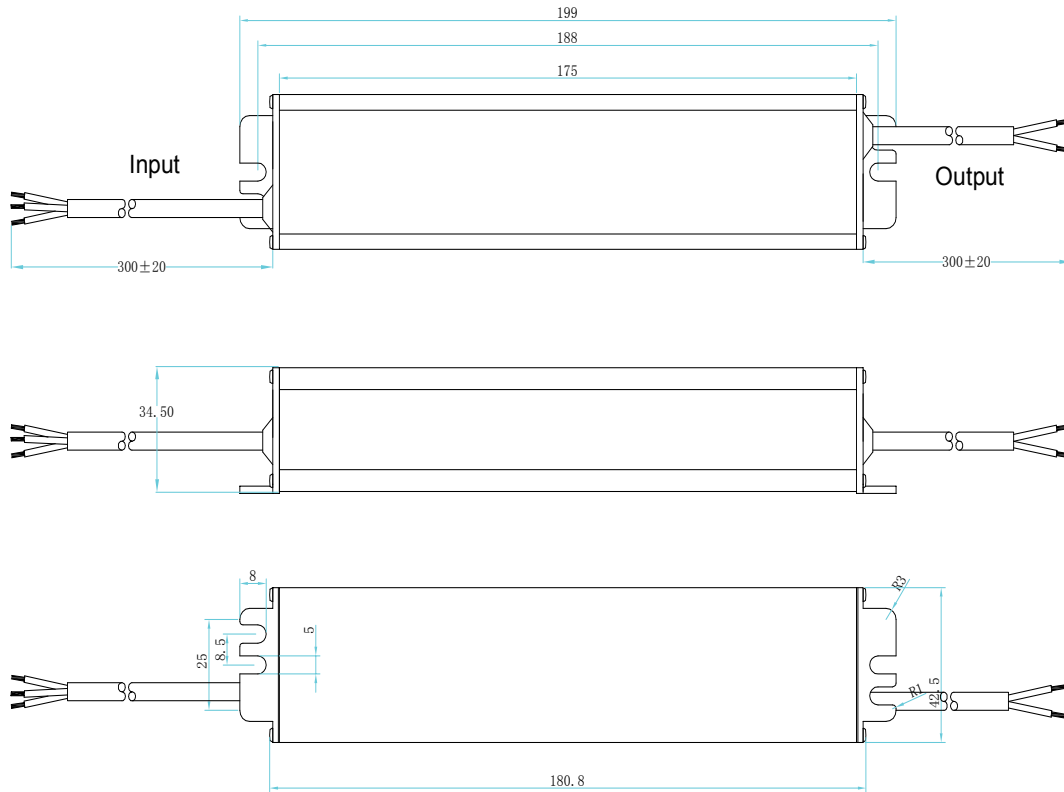
Input voltage	(90~305)Vac
Input current	1.0A
Inrush current	75A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Specification

Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Eff.
LSV-035B012	35	12	0-2.92	84%
LSV-035B024	35	24	0-1.46	84%
LSV-035B036	35	36	0-0.98	85%
LSV-035B048	35	48	0-0.73	85%
LSV-050B012	50	12	0-4.17	85%
LSV-050B024	50	24	0-2.10	85%
LSV-050B036	50	36	0-1.40	86%
LSV-050B048	50	48	0-1.05	86%

Note: All the parameters in brochure are tested under the ambient temperature , 25 ± 10℃, and the PF, THD, efficiency is 230Vac, for details pls check the spec.

Mechanical drawing



75W



Features:

1. Constant voltage design;
2. Active power factor correction;
3. SELV;
4. Overall protection: SCP, OCP, OVP, OTP;
5. Surge immunity: DM-5KV, CM-10KV;

Application:

Suitable for landscape lighting.



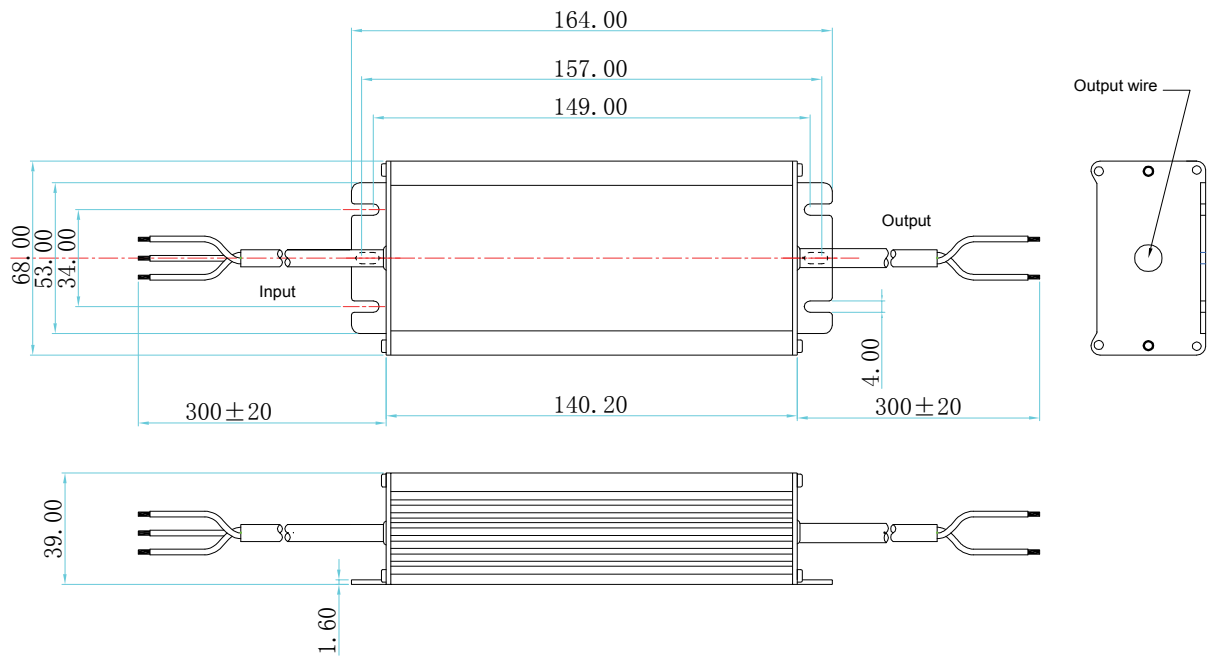
Technical parameters

Input voltage	(90~305)Vac
Input current	1.0A
Inrush current	75A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Specification

Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Eff.
LSV-075B012	75	12	0-6.25	87%
LSV-075B024	75	24	0-3.13	87%
LSV-075B036	75	36	0-2.08	87%
LSV-075B048	75	48	0-1.56	88%

Mechanical drawing



100W



Features:

1. Constant voltage design;
2. Active power factor correction;
3. SELV;
4. Overall protection: SCP, OCP, OVP, OTP;
5. Surge immunity: DM-5KV, CM-10KV;

Application:

Suitable for landscape lighting.



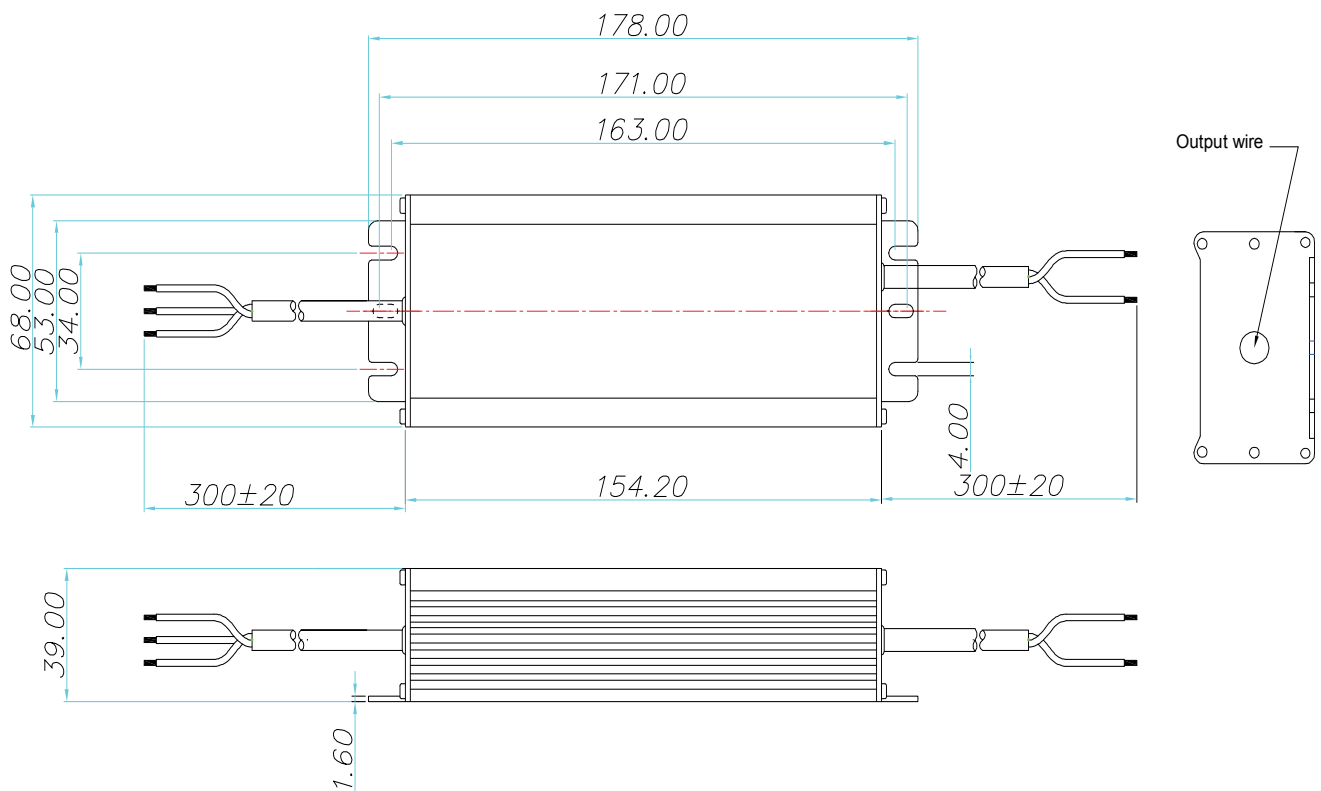
Technical parameters

Input voltage	(90~305)Vac
Input current	1.5A
Inrush current	75A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Specification

Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Eff.
LSV-100B012	100	12	0-8.33	91%
LSV-100B024	100	24	0-4.17	91%
LSV-100B036	100	36	0-2.78	91%
LSV-100B048	100	48	0-2.08	92%

Mechanical drawing



150W



Features:

1. Constant voltage design;
2. Active power factor correction;
3. SELV;
4. Overall protection: SCP, OCP, OVP, OTP;
5. Surge immunity: DM-5KV, CM-10KV;

Application:

Suitable for landscape lighting.



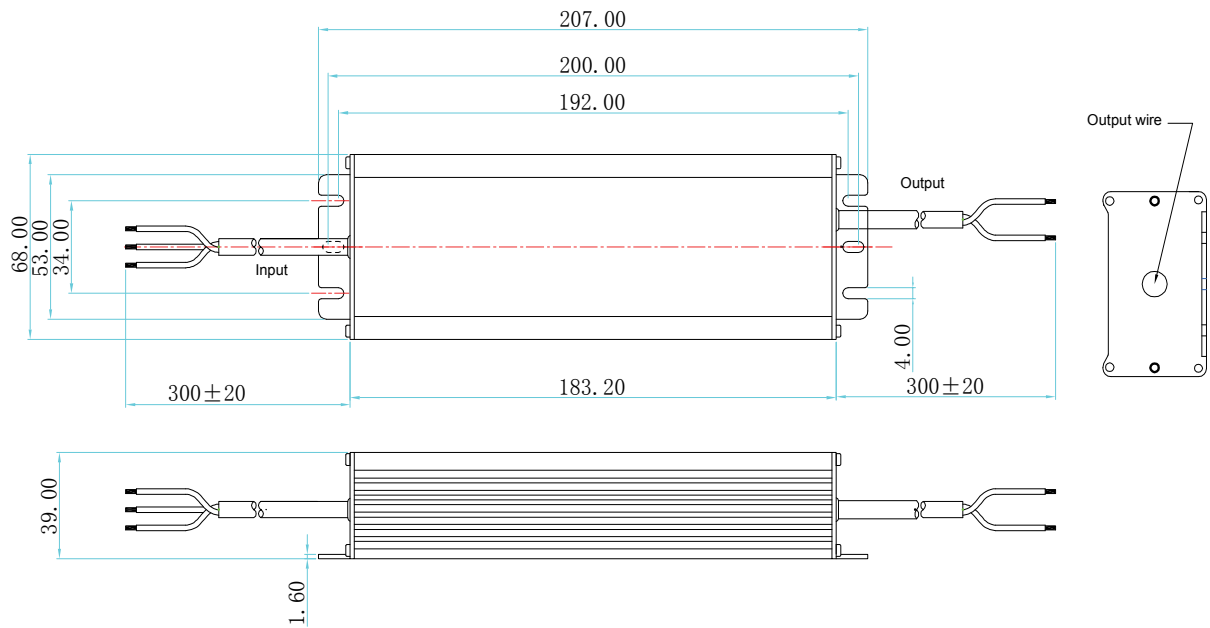
Technical parameters

Input voltage	(90~305)Vac
Input current	2.5A
Inrush current	75A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Specification

Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Eff.
LSV-150B012	150	12	0-12.50	91%
LSV-150B024	150	24	0-6.25	92%
LSV-150B036	150	36	0-4.17	92%
LSV-150B048	150	48	0-3.13	92%

Mechanical drawing



200W



Features:

1. Constant voltage design;
2. Active power factor correction;
3. SELV;
4. Overall protection: SCP, OCP, OVP, OTP;
5. Surge immunity: DM-5KV, CM-10KV;

Application:

Suitable for landscape lighting.



Technical parameters

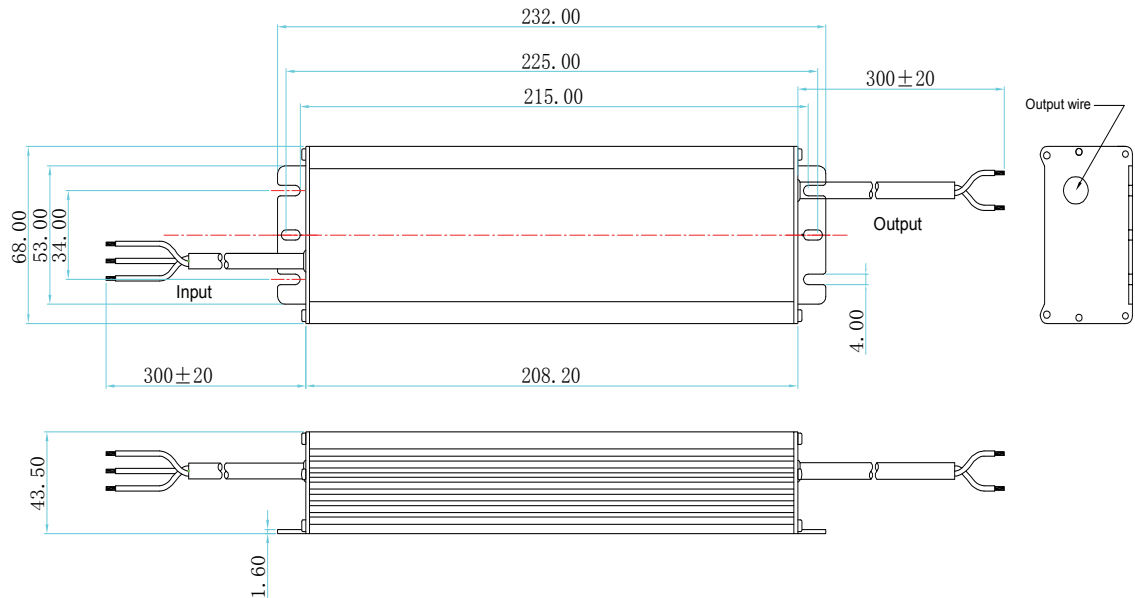
Input voltage	(90~305)Vac
Input current	3A
Inrush current	100A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Specification

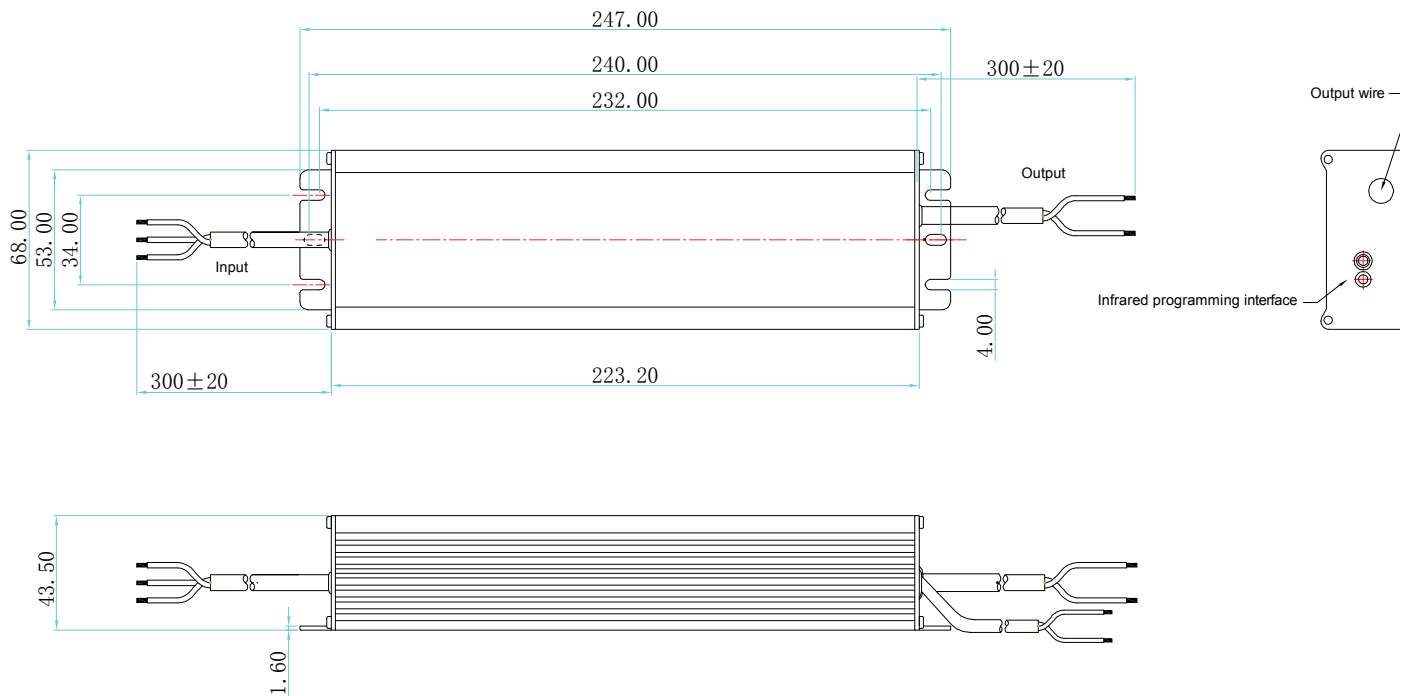
Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Eff.
LSV-200B012	200	12	0-16.67	91%
LSV-200B024	200	24	0-8.33	92%
LSV-200B036	200	36	0-5.56	92%
LSV-200B048	200	48	0-4.17	92%

Mechanical drawing

LSV-200B012&LSV-200B024



LSV-200B036&LSV-200B048



320W



Features:

1. Constant voltage design;
2. Active power factor correction;
3. SELV;
4. Overall protection: SCP, OCP, OVP, OTP;
5. Surge immunity: DM-5KV, CM-10KV;

Application:

Suitable for landscape lighting.



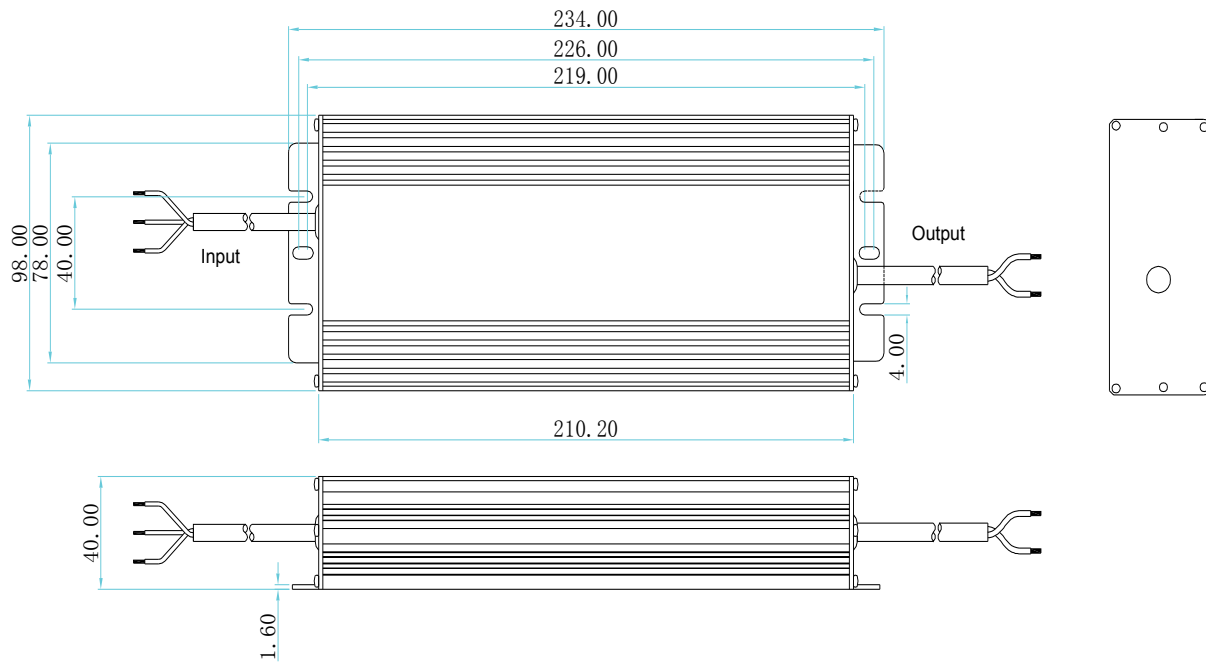
Technical parameters

Input voltage	(90~305)Vac
Input current	4A
Inrush current	150A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

Specification

Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Eff.
LSV-320B012	320	12	0-22.00	91%
LSV-320B024	320	24	0-13.33	92%
LSV-320B036	320	36	0-8.90	92%
LSV-320B048	320	48	0-6.67	92%

Mechanical drawing



Global Distributors

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