

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.

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

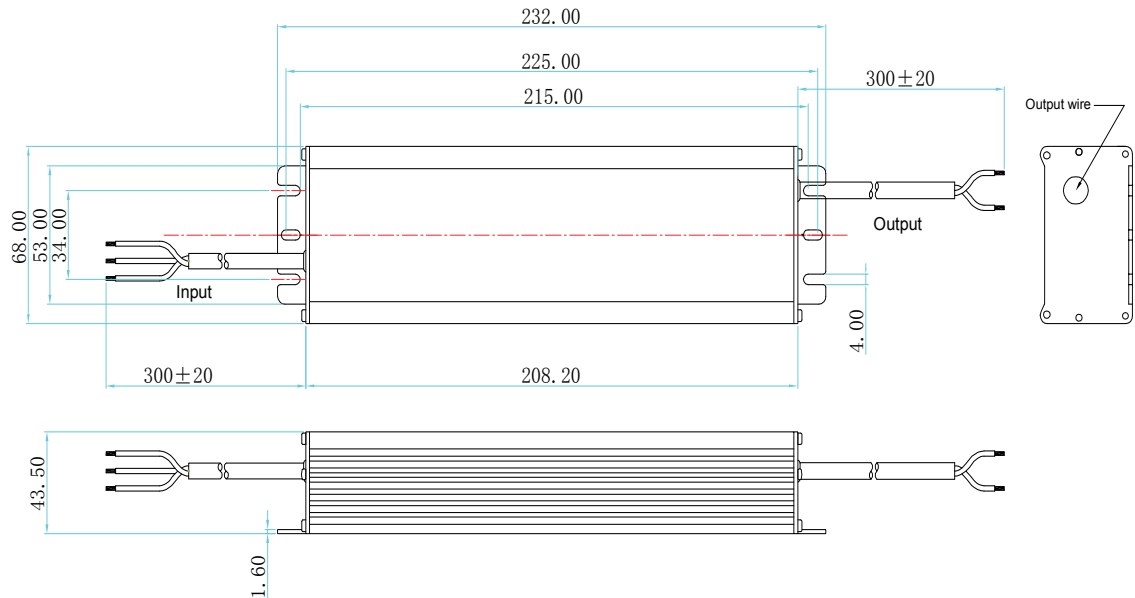
Input voltage	(90~305)Vac
Input current	3A
Inrush current	100A
Power factor	0.95
THD	≤15%
Operated temperature	-40℃ ~ +60℃
Degrees of protection	IP67

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

