

LED Drivers

Constant Current

LPD



LPD12 Series

Phase Dimming, 12W Max

- Constant Current Design
- High Efficiency
- Phase Dimming (TRIAC)
- Fully Isolated
- 5-year Warranty
- 100% full load burn-in test
- Active Power Factor Correction
- Multiple output current configurations
- Multiple Case Options

Electrical Characteristics

No. of Channels:	1
Input Frequency:	47 - 63 Hz
THD (max.):	20%
Power Factor (min.):	0.9 at full load
Start Time:	500ms / 120VAC at full load

General Specifications

Dimming Type:	TRIAC Phase Dimming
Dimming Range:	5 - 100%
Max. Case Temp:	90 °C
MTBF:	> 333,700 hours
Life Rating:	72,000 hours

Environmental

Operating Temp.:	-25 ~ +55°C
Storage Temp.:	-40 ~ +65°C
Operating Humidity:	20 ~ 95% RH
Storage Humidity:	10 ~ 95% RH
IP Rating:	IP20, Damp

Safety

Protection:	Short Circuit: Auto Recovery Max. No Load Voltage: 42V SCP, OTP, OVP
Safety and EMC:	UL/cUL, UL8750 Class 2 FCC Part 15 Class B

SPECIFICATIONS

Type	Dimming	Rated Power	Input Voltage	Case Type	Model Number	Output Current (mA)	Max. Output Wattage (W)	Output Voltage Range (min.-max.)	Typ. Efficiency (%)	Type TL (°C)
12W - Constant Current										
CC	Phase Dimming	12W	120V	5	VEL12XXX120HDA-5	200-1050	12	10-34	85.0	90/84
CC	Phase Dimming	12W	120V	2	VEL12XXX120HDA-41	200-1050	12	10-34	85.0	90/84
CC	Phase Dimming	12W	120V	2	VEL12XXX120HDA-2	200-1050	12	10-34	85.0	90/84
CC	Phase Dimming	12W	120V	3	VEL12XXX120HDA-3	200-1050	12	10-34	85.0	90/84
CC	Phase Dimming	12W	120V	5/2/3	VEL12030120HDA-Y	300	12	22-28	85.0	90/84
					VEL12045120HDA-Y	450	12	22-28	85.0	90/84
					VEL12050120HDA-Y	500	12	22-28	85.0	90/84
					VEL12053120HDA-Y	530	12	16-21	85.0	90/84