

# ELED-45-V Series

45W 0/1-10V Dimmable LED Driver



## Features:

- Three in one dimming function (0/1-10Vdc or PWM signal or resistance)
- Dimming range: 0-100%
- Built-in active PFC function (>0.98)
- High efficiency up to 83%
- Protections: Short circuit/Over current/Over loading
- Fully isolated plastic case with terminals IP20
- Compliance to worldwide safety regulations for lighting

## Models

### ELED-45-12V

### ELED-45-24V

## Output Specifications

Output Voltage	12V	24V
Voltage Tolerance	± 0.5%	
Output Current	3.75A	1.87A
Rated Power	45W	

## Input Specifications

Input Voltage	100-265VAC	
Frequency Range	47-63Hz	
Inrush Current	15.6A (Twidth=42µs 230VAC)	
Full Load Efficiency (Typ.)	81%	85%
AC Current (Max.)	0.51A	0.49A
Leakage Current	<0.50mA	
Power Factor	PF>0.95/120VAC PF>0.90/230VAC PF>0.90/265VAC (Full Loading)	

## Protection

Short Circuit	Hicup mode, recovers automatically after fault condition is removed
Over Loading	≤120%
Over Current	≤1.2*I <sub>out</sub>

## Environment

Working Temperature	-40~+60°C (Refer to derating curve)
Working Humidity	20-90% RH, non-condensing
Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)

# ELED-45-V Series

45W 0/1-10V Dimmable LED Driver

## Environment

Vibration 10-500Hz 2G 12min./ 1 cycle, period for 72min. each along X, Y, Z axes

## Safety & EMC

Safety standards EN61347-1, EN61347-2-13

Withstand voltage I/P-O/P:3.75KVAC

Isolation resistance I/P-O/P:100MΩ/500VDC/25°C/70%RH

EMC Emission Compliance to EN55015, EN61000-3-2

EMC Immunity Compliance to EN61000-4-2,3,4,5,6,11, EN61547, light industry Level Criteria A

## Other Specifications

Weight 0.45 Kg

Size 180 x 60 x 35 mm

Packing 355 x 215 x 215 mm (20PCS/CTN)

## Mechanical Specifications

