

LED Driver UEL150B-A1Z Series

Features

- ◆ Wide range of AC input voltage 85-305VAC
- ◆ Conforming ERP2016 with standby power consumption<0.5W
- ◆ Active power factor correction
- ◆ Protections against: short circuit/over current/over voltage/over load/over temperature
- ◆ IP67 design for outdoor application
- ◆ Meets 12KV surge immunity
- ◆ Standardized module, easy to install and maintain
- ◆ LED load less than 100%
- ◆ D type: 0~10.0VDC control signal (turn-off when it is lower than 0.4V)
- ◆ P type: PWM control signal (Compatible 3.3V/5.0V/10.0V PWM Signal)
- ◆ R type: 0KΩ~100KΩ resistance dimmer; (Power off when less than 4KΩ)
- ◆ T type: Time control dimming
- ◆ Current can be regulated externally



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UEL150B-A1Z

Input Voltage Range	85-305VAC	Power Factor	> 0.96
Efficiency	92.5~93.5%	Humidity	10~90% RH
THD	< 5%	MTBF	≥ 110,000 Hours, MIL-HDBK-217F (25°C)
Operation Temperature	-40~60°C	Safety Standard	CE(EN61347)、PSE(J61347); Meets cULus(UL8750)、CCC(GB19510)
Storage Temperature	-40~85°C	EMC Standard	Meets EN55015、EN61547、EN61000、GB17743、GB17625、FCC PART15
Weight	1050g	Dimensions	227mm (L); 66mm (W); 38mm (H)
Applications	LED Street Light, High Bay Light, Flood Light, Tunnel Light		

Products

UEL150B (UEL150B Series 150W Max)

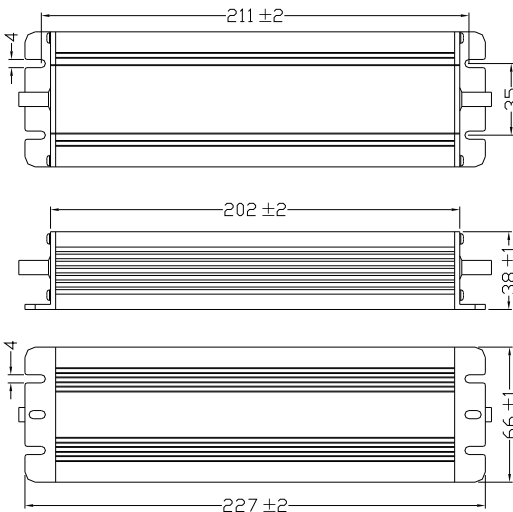


Series	Model	Output	Current Range	Eff.	Ripple
C.C. Mode	UEL150B-S036417-A1Z	22-36V, 4.17A	±3%	92.5%	2%V ₀
	UEL150B-S048313-A1Z	29-48V, 3.13A	±3%	92.5%	2%V ₀
	UEL150B-S107140-A1Z	65-107V, 1.40A	±3%	92.5%	2%V ₀
	UEL150B-S143105-A1Z	86-143V, 1.05A	±3%	93.0%	2%V ₀
	UEL150B-S214070-A1Z	129-214V, 0.70A	±3%	93.5%	2%V ₀
	UEL150B-S300050-A1Z	180-300V, 0.50A	±3%	93.5%	2%V ₀

The output current in C.C. mode is the maximum output current.

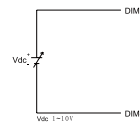
"*" means it is certificated

Mechanical Drawings

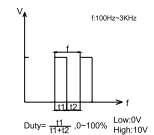


For energy saving purpose, output current and LED brightness can be regulated by user through different dimming functions: 0~10VDC control signal (D type), PWM control signal (P type), 0KΩ~100 KΩ adjustable resistance (R type) and time control (T type)

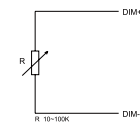
D type:
1.0~10.0VDC control signal



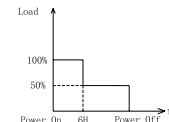
P type:
PWM control signal (internal or external)



R type:
10~100KΩ resistance dimmer



T type:
Time control signal



Models with dimming functions are yet to be safety-certified.

Z-Blank without dimming functions

D-D type dimming

P-P type dimming

R-R type dimming

T-T type dimming