

# LED Driver UEL105-A1Z Series

## Features

- ◆ Wide range of AC input voltage 85-305VAC
- ◆ Protections against: short circuit/over current/over voltage/over load/over temperature
- ◆ IP67 design for outdoor application
- ◆ Meets 4KV surge immunity
- ◆ Standardized module, easy to install and maintain
- ◆ LED load less than 100%
- ◆ D type: 1~10VDC control signal
- ◆ P type: PWM control signal (internal or external)
- ◆ R type: 10KΩ~100KΩ resistance dimmer
- ◆ T type: Time control dimming
- ◆ Current can be regulated externally

UEL105-A1Z



Patent No. ZL 2009 3 0266975.9

Input Voltage Range	85-305VAC	Power Factor	> 0.95
Efficiency	89~91%	Humidity	10~90% RH
THD	< 20%	MTBF	≥ 150,000 Hours, MIL-HDBK-217F(25°C)
Operation Temperature	-30~60°C	Safety Standard	CE(EN61347)、cULus(UL8750)、CCC(GB19510)、PSE(J61347)
Storage Temperature	-40~85°C	EMC Standard	Meets EN55015、EN61547、EN61000、GB17743、GB17625
Weight	1000g	Dimensions	191mm (L) ; 66mm (W) ; 38mm (H)
Applications	LED Street Light、High Bay Light、Flood Light、Tunnel Light		

## Products

UEL105 (UEL105 Series 105W Max)

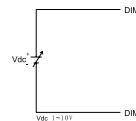


Series	Model	Output	Current Range	Eff.	Ripple
C.C. Mode	*UEL105-S036C277-A1Z	27-36V, 2.77A	±3%	90%	2% V <sub>o</sub>
	*UEL105-S048C208-A1Z	36-48V, 2.08A	±3%	90%	2% V <sub>o</sub>
	UEL105-S095C105-A1Z	71-95V, 1.05A	±3%	91%	2% V <sub>o</sub>
	UEL105-S142C070-A1Z	107-142V, 0.70A	±3%	91%	2% V <sub>o</sub>

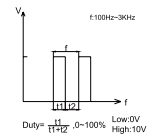
The output current in C.C. mode is the maximum output current.

For energy saving purpose, output current and LED brightness can be regulated by user through different dimming functions: 1~10VDC control signal (D type), PWM control signal (P type), 10KΩ~100KΩ adjustable resistance (R type) and time control (T type)

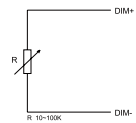
D type:  
1.0~10.0VDC control signal



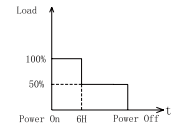
P type:  
PWM control signal (internal or external)



R type:  
10~100KΩ resistance dimmer



T type:  
Time control signal



## Mechanical Drawings

