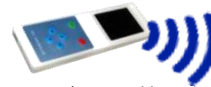


## ■ Features

- Power Rating: 40W
- Input Voltage: 120-277Vac
- Constant current and constant voltage hybrid output
- Output current (240mA-1670mA)
- Programmable with Near Field Communication controller
- Efficiency to 90.5%
- Dimming: 0-10V, PWM, Timer, Dim-to-off option
- 10V/200mA AUX
- UL recognized, Type HL, Type TL
- IP67
- 5-year warranty
- Surge Protection: L-N: 4kV, L,N-G: 4kV



\*Near Field Communication controller



\*Product images are for illustrative purposes only and may vary from actual design.

## ■ Application

- Indoor and outdoor applications

## ■ Model List\*(See part number scheme for model number details)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency 110V/220V	Certification
L2WCP040S167ST-XYZ	120-277Vac	40W	24-40V	670mA	1670mA	85%/87%	UL/cUL
L2WCP040S100ST-XYZ	120-277Vac	40W	40-68V	400mA	1000mA	87%/87%	UL/cUL
L2WCP040S059ST-XYZ	120-277Vac	40W	68-114V	240mA	590mA	88.5%/90.5%	UL/cUL

Ordering options	
XY= Programmable	Z=Dimming
FC=Near Field Communication	D=DALI Dimming
	B=BLE Dimming

## ■ Technical Data

Input voltage range	120-277Vac
Frequency	47-63Hz
Power factor	> 0.99 @115Vac & 80~100% Full load, > 0.95 @230Vac & 80~100% Full load
Output voltage	24-114V
Output power	40W
Max input current	0.4A @115Vac, 0.2A@230Vac
Max input Power	40W
Efficiency	85-90.5%
Inrush Current	65A @230Vac cold start +25°C
Dimming	0~10V/ PWM/ Timer, Dim-to-off option

**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 17, 2019

## ■ Technical Data(cont.)

THD	20%
Current Programmable	Yes
Output Current Programmable Range	240-1670mA
Dimensions	115x70x37mm 4.5x2.75x1.26 in
Packing	25pcs/carton
Weight	180g

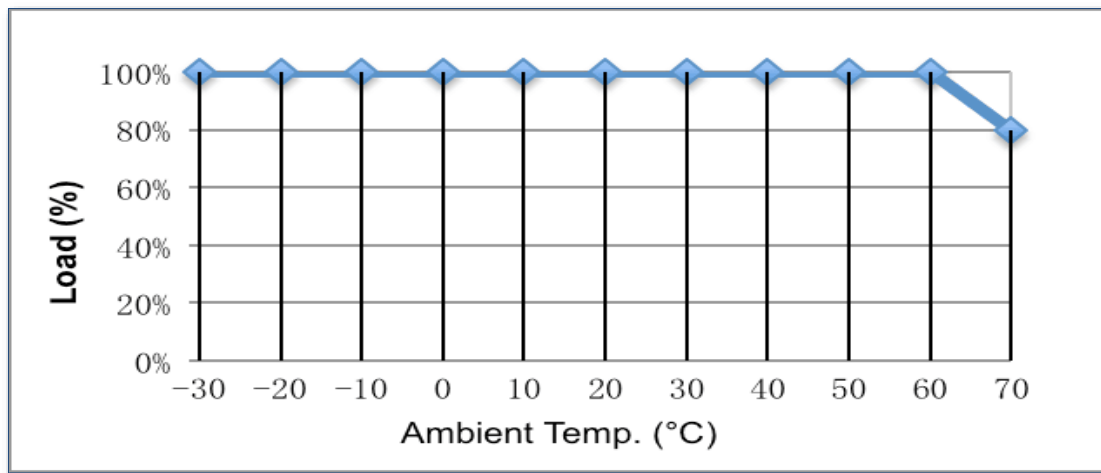
### Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

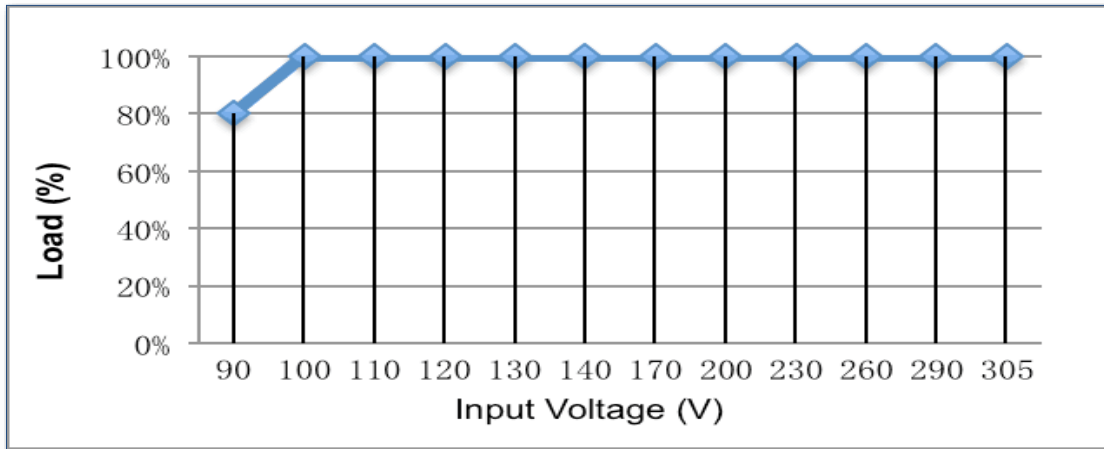
## ■ Safety Compliance

Safety Standards	UL8750
EMC Emission	Compliance to EN55015, EN61000-4-2,3,4,5,6,8,11
EMC Immunity	EN61000-3-2 Class C

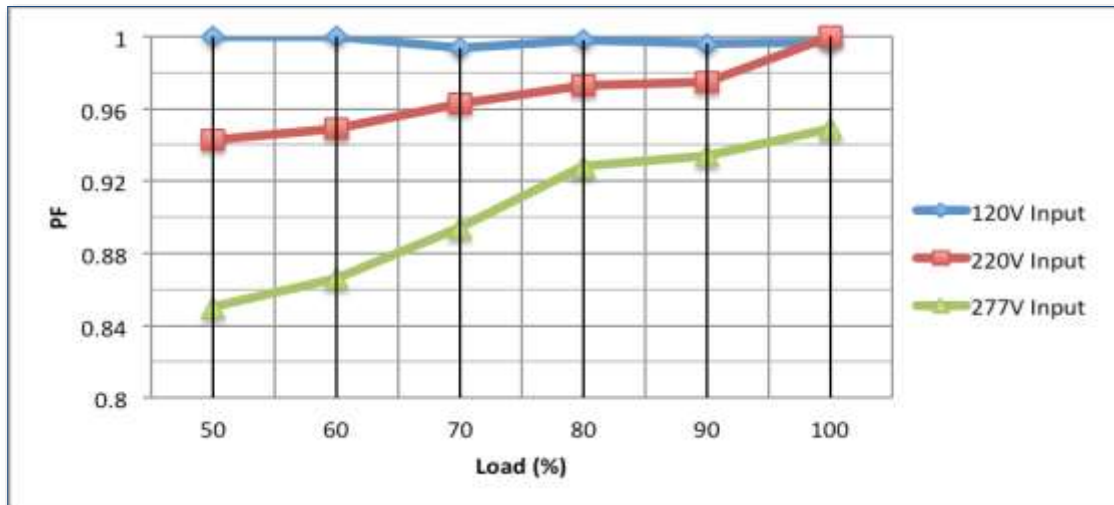
## ■ Derating curve



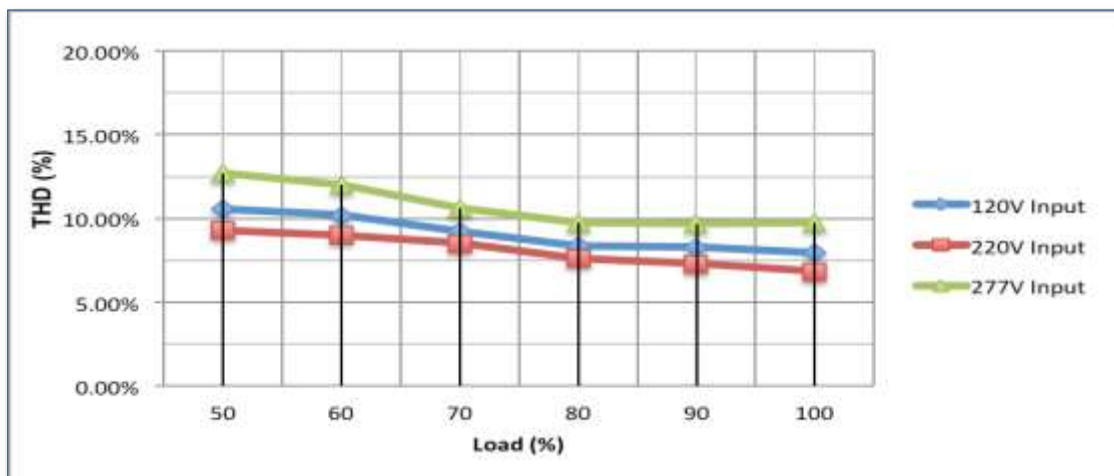
## ■ Static Characteristics



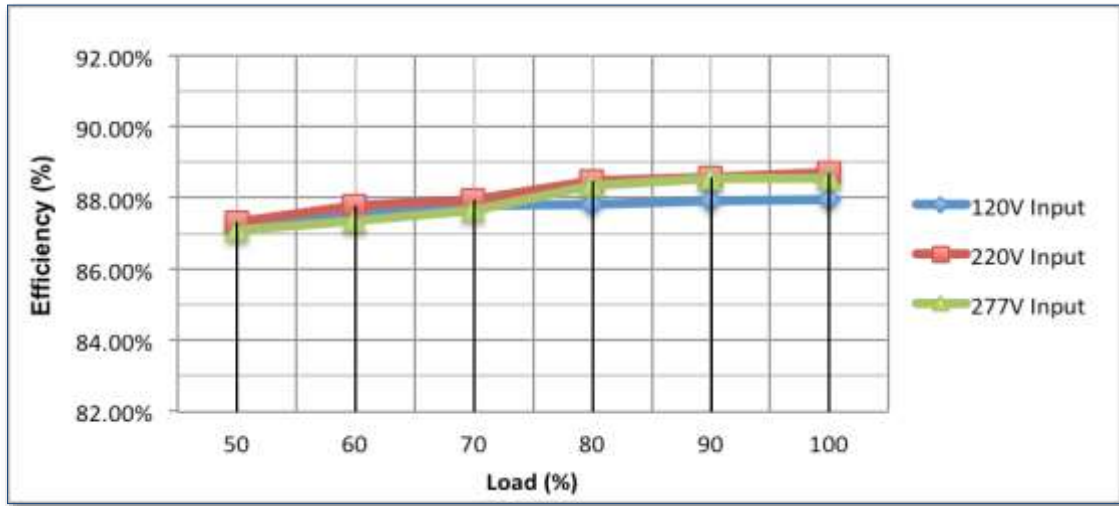
## ■ Power Factor vs. Output



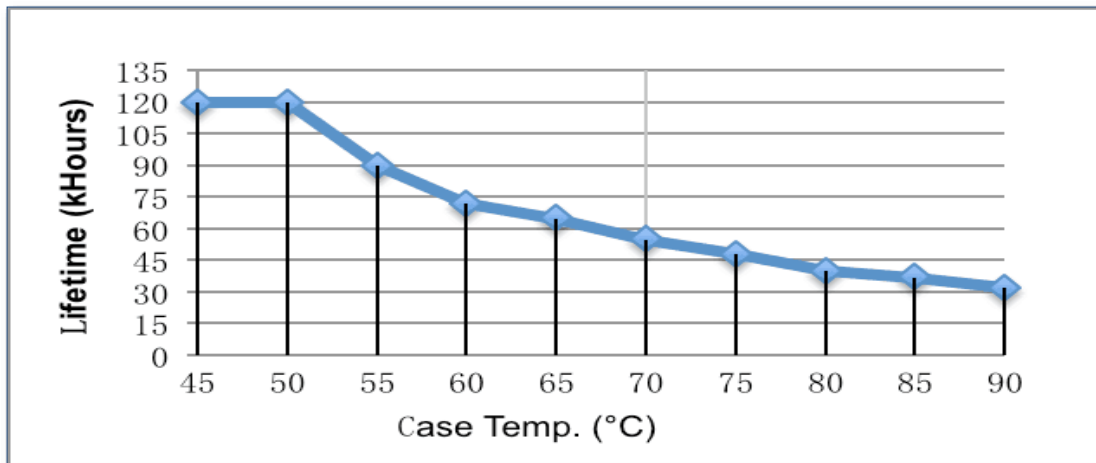
## ■ THD vs. Output



## ■ Efficiency vs Output



## ■ Lifetime vs Case Temp.



## ■ Near Field Communication Controller



### NOTE:

1. The Near Field Communication controller can program the output current, voltage and timer delays.
2. The Near Field Communication programming is a non-contact process, therefore much safer compared to traditional programming methods.
3. Power devices can be programmed without AC power applied to the driver.

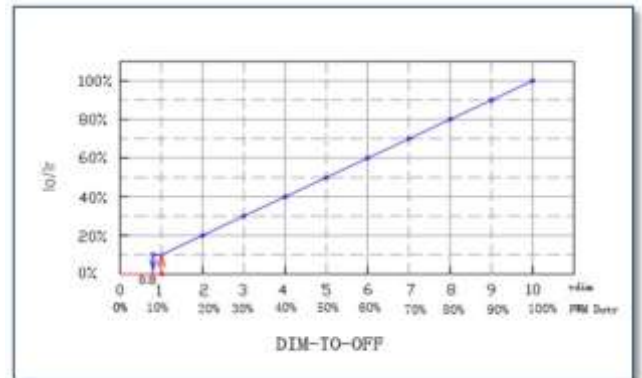
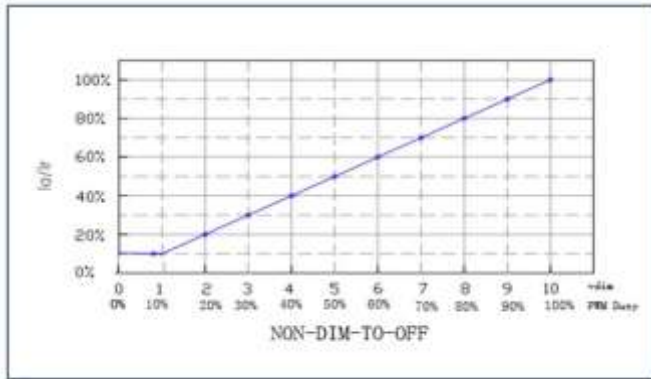
**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 17, 2019

## ■ Dimming

### 0-10V Analog Dimming & PWM Dimming

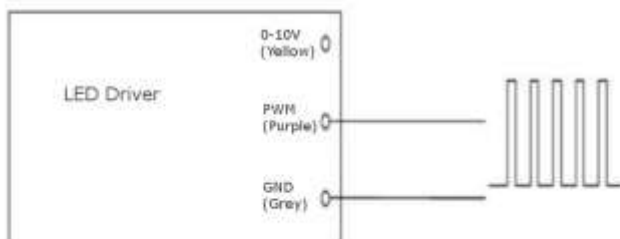


GND	Grey
Dimming wire 0-10V&PWM	Purple
10V AUX	Yellow
Input Dimming Voltage	0-10V
Input Source Current	1mA
10V AUX Source Current	20mA
PWM Frequency Range	0.5-3KHZ
PWM high level	10V

#### NOTE:

1.  $I_o$  is actual output current and  $I_r$  is rated current without dimming control.
2. For the driver to operate properly, the load voltage must be in the working voltage range.
3. We have DIM-TO-OFF option, which can be programmed by the programmer.
4. Maximum input voltage for the dimming wire is 12V.
5. AUX wire is only for source, can't connect to other voltage source.

## PWM Dimming



**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

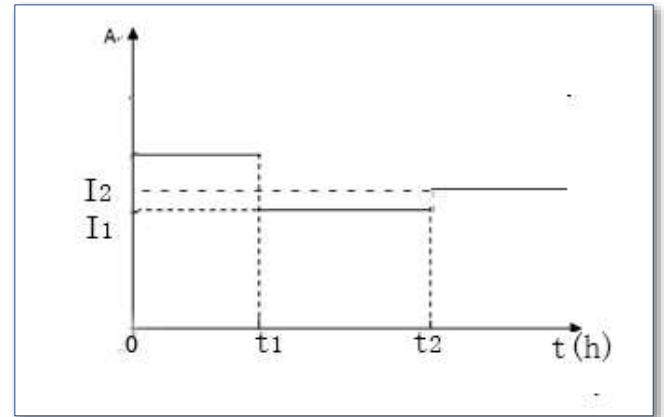
31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 17, 2019

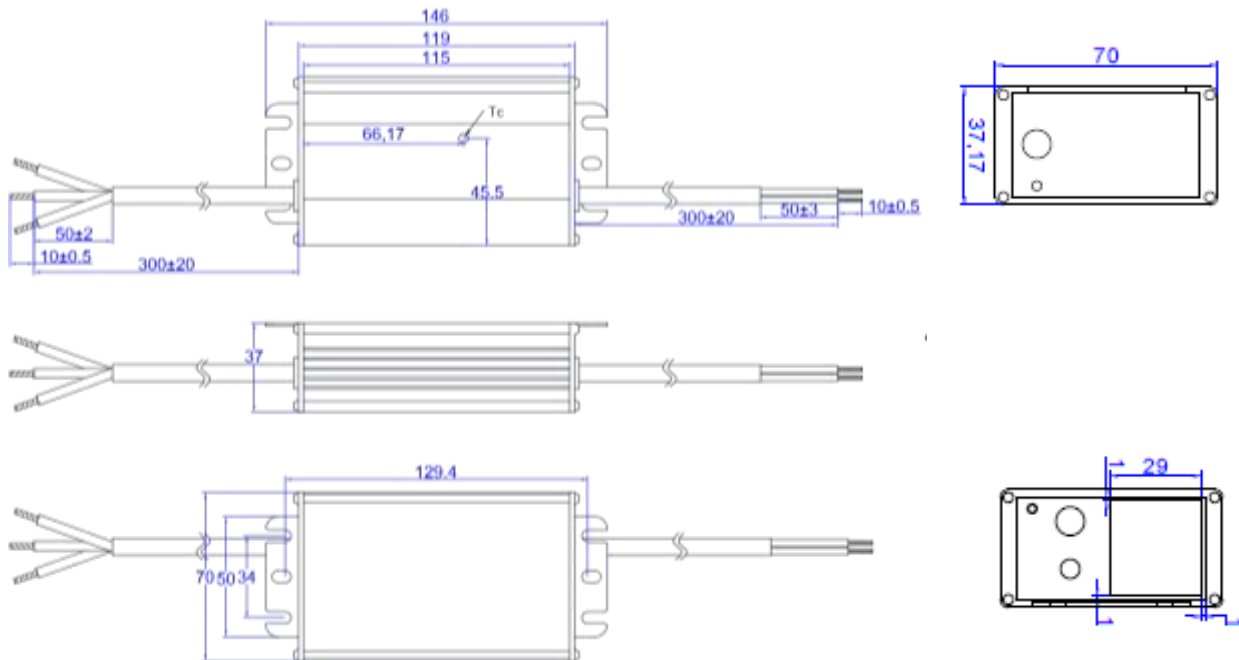
## TIMER Dimming

### NOTE:

1. The dimming time can be programmed by the programmer.
2. The time of  $t_1$  and  $t_2$  can be set by the programmer.(0.5h step)
3. The value of  $I_1$  and  $I_2$  can be set by the programmer.
4. Changing the current from  $I_1$  to  $I_2$  may take a few min.



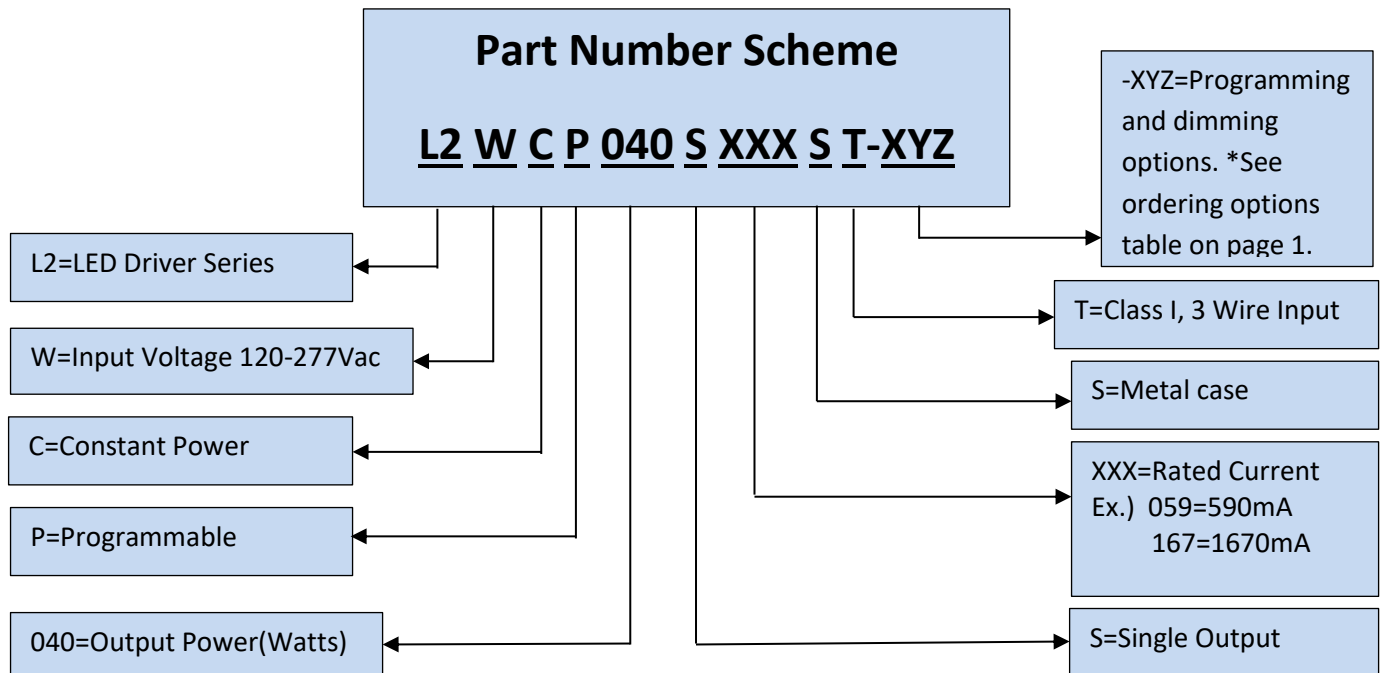
## ■ Mechanical Design



**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 17, 2019



**\*Product images are for illustrative purposes only and may vary from actual design.**

**\*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**