

## ■ Features

- Power Rating: 96W
- Input Voltage: 347-480Vac
- Constant current and constant voltage hybrid design
- Adjustable Output current (800mA-8000mA)
- Efficiency to 90%
- 0-10V dimming, Dim-to-off option, Triac/ELV dimming option to be programmed by software
- Programmable with Near Field Communication technology without power to the driver
- 12V 200mA Aux power
- UL Class "P", and UL Class 2 outputs
- OVP, SCP, OTP, & Over Current Protection
- IP20
- 5-year warranty
- Surge Protection: Diff: 4kV, Common: 6kV

## ■ Application

- Indoor applications

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

Model Number	Input Voltage Range	Output Power	Programmable Output Voltage	Programmable Output Current Region	Efficiency 120V/230V	Certification
L2HCP096S800SS-20	347-480Vac	96W	7.2-12V	3.2-8A	86%/88%	UL/cUL
L2HCP096S400SS-20	347-480Vac	96W	14.4-24V	1.6-4A	87%/89%	UL/cUL
L2HCP096S275SS-20	347-480Vac	96W	35-54V	1.1-2.75A	88%/90%	UL/cUL
L2HCP096S200SS-20	347-480Vac	96W	28.8-48V	0.8-2A	88%/90%	UL/cUL

## ■ Technical Data

Input voltage range	347-480Vac
Frequency	47-63Hz
Power factor	> 0.99 @120Vac & 80~100% Full load, > 0.95 @230Vac & 80~100% Full load
Output voltage	7.2-48V
Output power	96W

**RoHS**  
Compliant


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June 26, 2019

■ **Technical Data(cont.)**

Ripple and Noise	2.5%Vo
Max input current	0.94A @120Vac, 0.45A@230Vac
Max Power	96W
Efficiency	86-90%
Line Regulation	±0.3%
Load Regulation	±1.2%
Inrush Current	65A @230Vac cold start +25°C
Dimming	0~10V, Dim-to-off option, Triac/ELV
THD	< 20%
Current Programmable	Yes
Output Current Adjustable Range	800-8000mA
Over Current Protection	Protection type: Constant current limiting, recovers automatically after fault condition is removed
Short Current Protection	Hiccup mode, recovers automatically after fault condition is removed
Over Voltage Protection	1.1Vo, Protection type: Hiccup mode, recovers automatically after fault condition is removed
Over Temp. Protection	Hiccup mode, recovers automatically after fault condition is removed
Operating Temperature	-35~+60°C
Max T-case Temp.	93°C
Operating Humidity	10 ~ 100% RH non-condensing
Storage Temp., Humidity	-40 ~+85°C, 5 ~ 100% RH
Temp. Coefficient	±0.05%/°C (0~50°C)
Vibration	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
Dimensions	241x59x42mm
Packing	TBD
Weight	TBD

■ **Safety Compliance**

Safety Standards	UL8750, UL935, UL1012, CSA-C22.2 No.107.1, EN61347-1, EN61347-2-13
Withstand Voltage	I/P – O/P: 3.75kVAC
Isolation Resistance	I/P – O/P: 100M Ohms / 500VDC /25°C / 70% RH
EMC Emission	Compliance to EN55015, EN61000-3-2 Class C (≥60% load); EN61000-3-3
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, EN55024

**Disclaimer:**

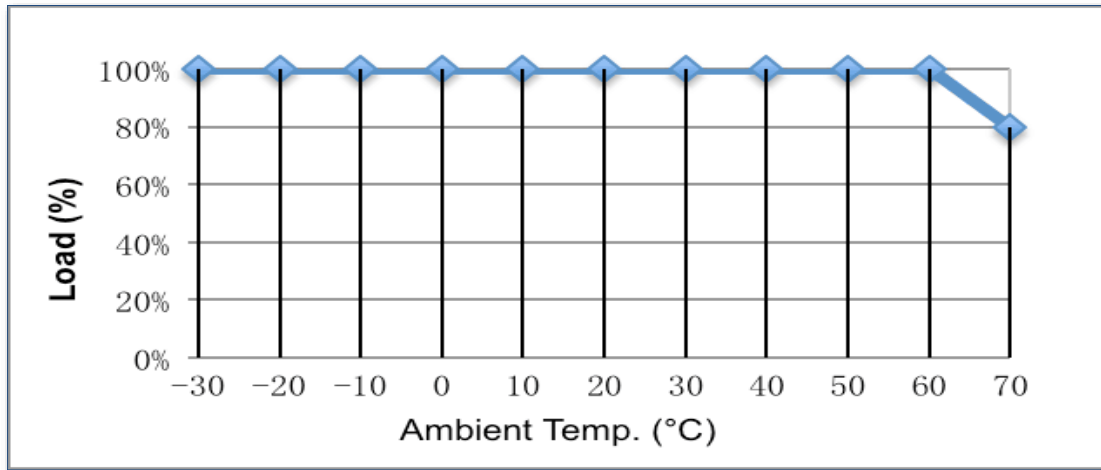
Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly 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.

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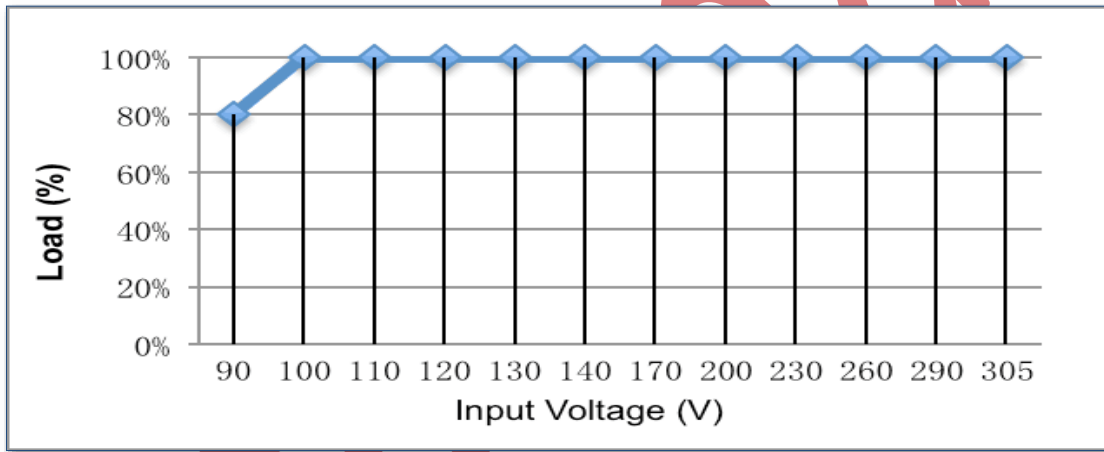
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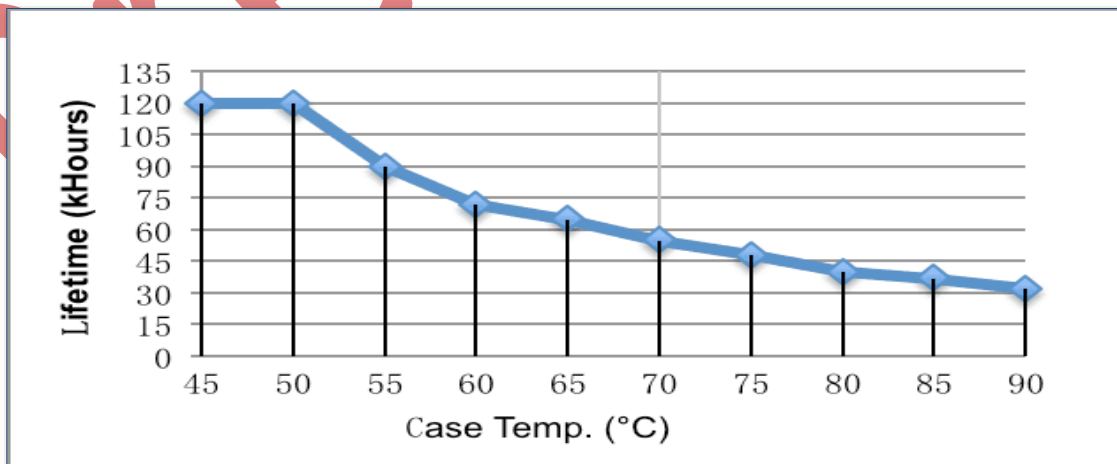
■ **Derating Curve**



■ **Static Characteristics**

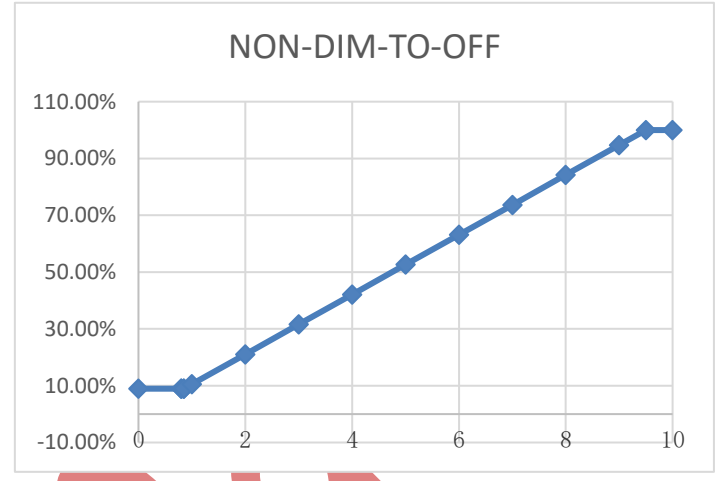
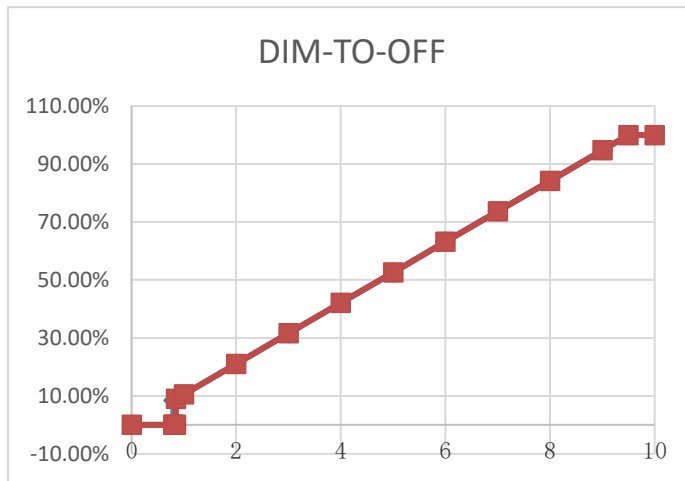


■ **Lifetime vs Case Temp.**



## ■ Dimming

### 0-10V Analog Dimming

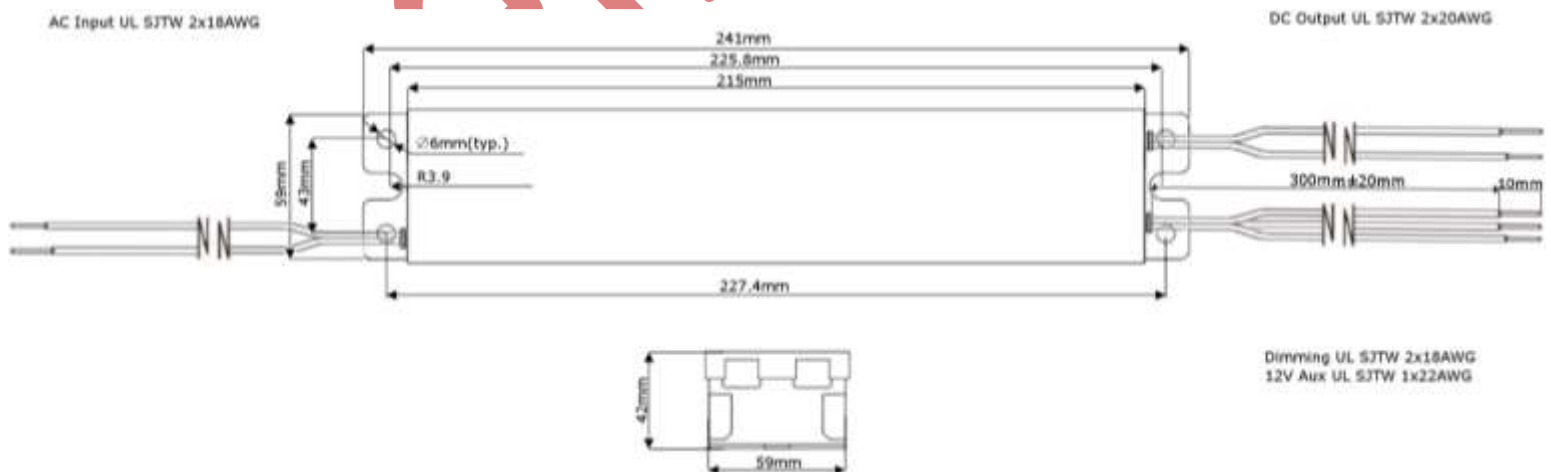


GND	Grey
Dimming wire 0-10V	Purple
Input Dimming Voltage	0-10V
DIM+ Source Current	0-1mA
12V Aux(200mA)	Yellow

#### NOTE:

1. Io is actual output current and Ir 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.

## ■ Mechanical Design



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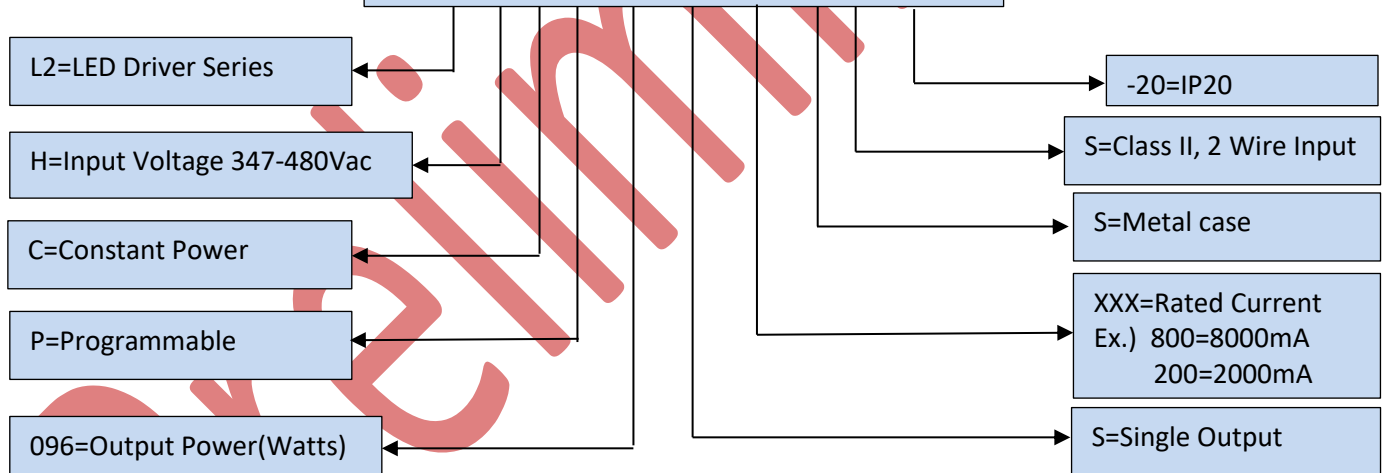
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■ **Wiring Diagram**



**Part Number Scheme**

**L2 H C P 096 S XXX S S -20**



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

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