

■ Features

- Power Rating: 22-30W
- Input Voltage: 100-277Vac
- Constant current design
- Fixed output current(500mA-850mA)
- Efficiency to 86%
- 0-10V/PWM/Resistor Flicker Free Dimming
- Dimming range 10%-100%
- OCP, SCP
- IP65
- 5-year warranty



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

■ Application

- Indoor or outdoor lights

■ 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	Certification
L12WCD030S085PS	100~277Vac	30W	20-35V	850mA	850mA	85%	UL/cUL
L12WCD030S080PS	100~277Vac	24W	20-30V	800mA	800mA	85%	UL/cUL
L12WCD030S075PS	100~277Vac	30W	30-40V	750mA	750mA	86%	UL/cUL
L12WCD030S070PS	100~277Vac	28W	30-40V	700mA	700mA	86%	UL/cUL
L12WCD030S068PS	100~277Vac	30W	35-45V	680mA	680mA	86%	UL/cUL
L12WCD030S060PS	100~277Vac	30W	40-50V	600mA	600mA	86%	UL/cUL
L12WCD030S055PS	100~277Vac	27.5W	40-50V	550mA	550mA	86%	UL/cUL
L12WCD030S050PS	100~277Vac	29W	45-58V	500mA	500mA	86%	UL/cUL

■ Technical Data

Input voltage range	100~277Vac
Frequency	47-63Hz
Power factor	> 0.9 under 100~277Vac input @Full load condition
Inrush current	50A @230Vac
Max input current	0.5A @Full load condition
THD	15%@full load
Current Precision	± 5% at full load condition
Efficiency	85%-86%
Ripple current	10%@full load
Overshoot & Undershoot Response	±10% Input@277Vac; Output@ Max. Load
Setup time	2S 100Vac input full load

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

June 18, 2019

■ Technical Datta(cont.)

Output Voltage Rise Time	100ms
Protection	Over current protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed. Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
Dimming Range	10-100%
Operating temperature	-30 to 60°C
Storage temperature	-40 to 85°C
Temperature Coefficient	90°C
Operating humidity	20% to 90%
Storage humidity	20% to 90%
MTBF	50,000 hours at (~70°C case temp)
Cooling	Air Cooling
Burn-in Test	Input voltage applied to the LED driver 230Vac, Output Full load@ 40°C; 4 hours Burn-in Test
Length (L)	5.79" (147mm)
Width (W)	1.6" (40mm)
Height (H)	1.06" (27mm)
Mounting (M)	5.5" (140mm)

Note: all parameters are rated under the condition of 25°C, Ripple current is subject to load.

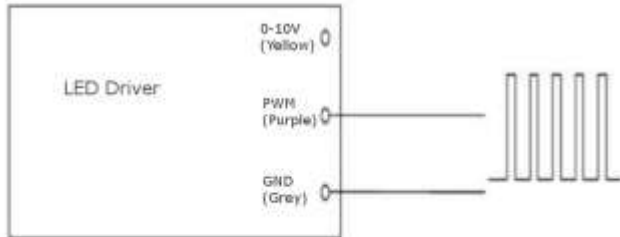
■ Safety Compliance

UL/cUL	UL8750 /UL1310
Dielectric Strength	Input to Output: 3000Vac 1 min. leakage current ≤5mA
Isolation Independence	Input to Output: DC 500V 10MΩmin @ ambient temperature

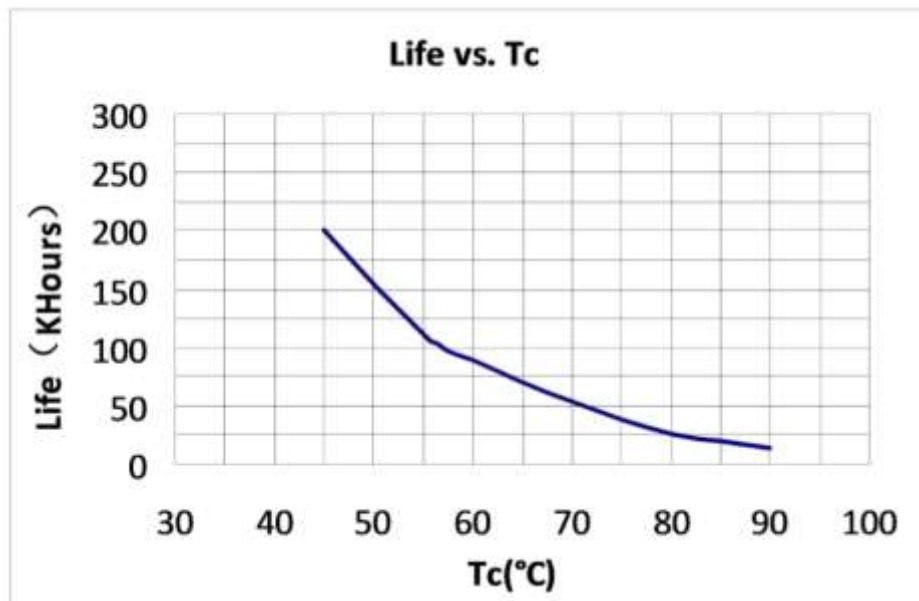
Disclaimer:

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.

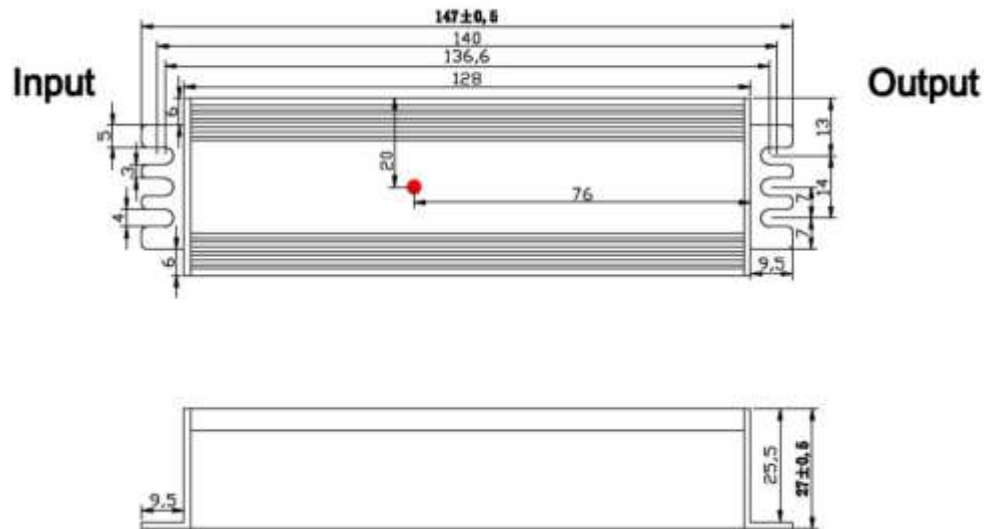
■ PWM Dimming



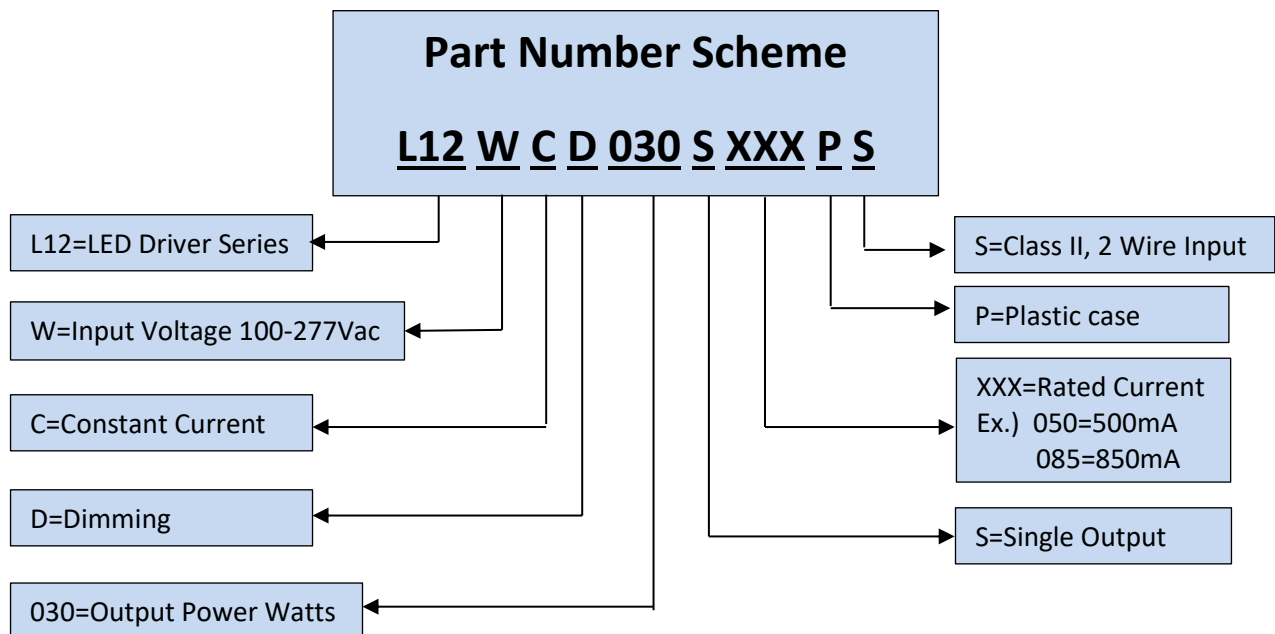
■ Lifetime vs Case Temperature/min



■ **Mechanical Diagram**



Wire Specifications	
Input	12", UL 1015 #18AWG (Black and White)
Output	12", UL 1015 #18AWG (Red and Black)
Dimming	12", UL 1015 #18AWG (Purple and Grey)



*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.

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

June 18, 2019

4 / 4