

ESL1025 iPOP

High Power Constant Current
LED Driver | 25 Watts Max.

PRODUCT FEATURE

- Universal Input range from 110VAC~304VAC, 50/60Hz
- Linear design and compact size maximizes design flexibility.
- Size: 9.84" (L) x 1.26" (W) x 1.02" (H)
- Fully potted, suitable for dry and damp location applications
- Standard 0-10V dimming; compatible with fluorescent dimmers
- Intelligent Window® GUI interface for programming
- Output current and voltage programmable maximize performance



SPECIFICATIONS

INPUT RANGE:	100 ~ 277VAC
POWER FACTOR:	>0.92 at full load, 115VAC or 230VAC
INPUT CURRENT:	0.4 Amps max at 115VAC
OUTPUT CURRENT REGULATION:	±5%
PROTECTION:	OCP, SCP, OLP - Auto Recovery
DIMMING METHOD:	0-10V dimmer/ Fluorescent dimmer
HOLD UP TIME:	Half cycle min. at 120VAC and 80% rated load
FREQUENCY:	47 to 63Hz
INRUSH CURRENT:	20.0 Amps max. at 230VAC, cold start 25°C
EFFICIENCY:	83% Typical full load
MAXIMUM POWER:	25W
LEAKAGE CURRENT:	300uA typ.
DIMENSION:	9.84" x 1.26 x 1.02 (LxWxH)
REGULATION COMPLIANCE:	UL8750 or EN61347, EN55015, EN61547

WARRANTY

- See [Limited Warranty Policy](#) for more additional information

ENVIRONMENTAL

OPERATING TEMPERATURE:	-30 to +50°C, Tc: 80°C
STORAGE TEMPERATURE:	-40 to +85°C
HUMIDITY (Non-Condensing):	5% to 95%
COOLING:	Convection
VIBRATION FREQUENCY:	5 to 50Hz
MTBF:	>100,000 hours at full load and 25°C ambient conditions (MIL-217F)

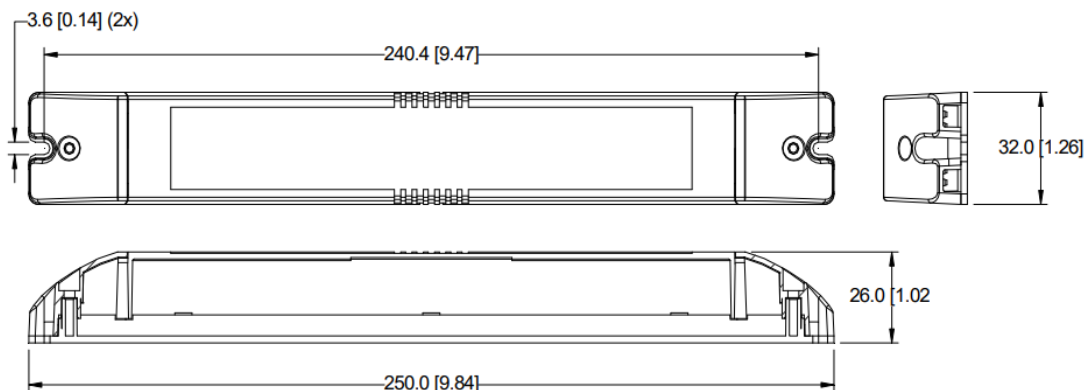
MODEL SELECTION

MODEL	OUTPUT CHARACTERISTICS				
	DIMMING	DIMMING RANGE	OUTPUT RANGE (mA)	V RANGE (DC)	MAX. WATTS
ESL1025-24-C1400 iPOP®	1 – 10V	8 – 100%	1400 – 520	14 – 15	25
ESL1025-36-C1000 iPOP®	1 – 10V	8 – 100%	1000 – 350	24 – 36	25
ESL1025-48-C0750 iPOP®	1 – 10V	8 – 100%	750 – 260	30 – 50	25
ESL1025-72-C0500 iPOP®	1 – 10V	8 – 100%	500 – 175	40 – 72	25

MECHANICAL SPECIFICATION

NOTE 1: The combination of output current and voltage cannot exceed maximum rated power.

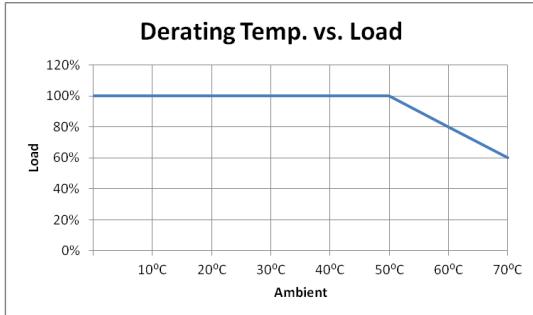
NOTE 2: It is recommended to keep a minimum of 65% of rated load to maintain electrical characteristics.



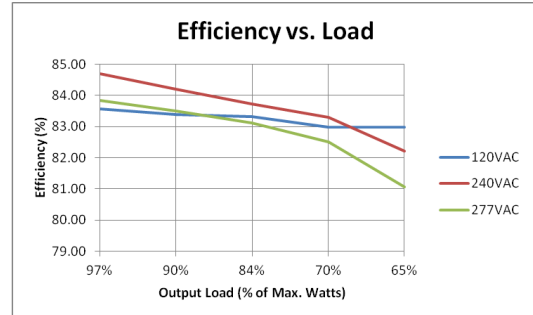
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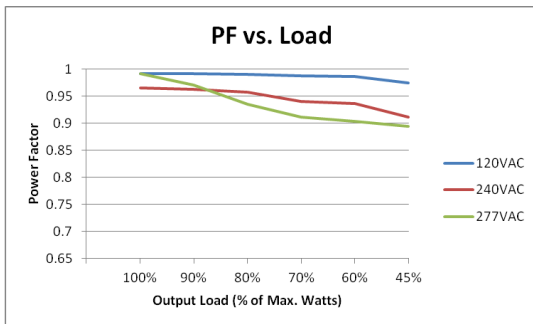
DE-RATING TEMP. VS LOAD



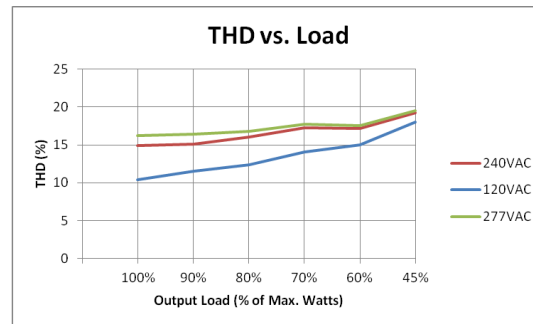
EFFICIENCY VS LOAD



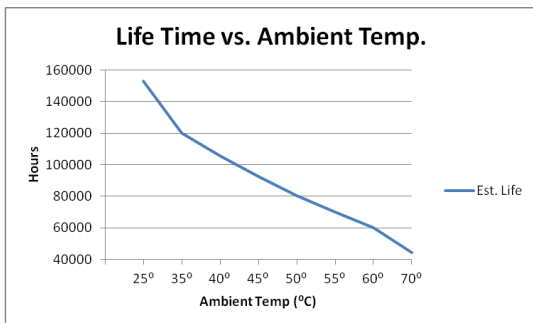
POWER FACTOR VS LOAD



THD VS LOAD



LIFE TIME VS AMBIENT TEMP.



DIMMING WIRING DIAGRAM

