MAGTECH
The Power To Drive Innovations

Project Name:	
Type:	

ESL1025 Series

High Power Constant Current
LED Driver

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
- UL8750 and CE compliant
- Wide selection of pre-adjusted C/C outputs

SPECIFICATIONS

INPUT RANGE:	-20 to +50°C, Tc: 80°C
POWER FACTOR:	-40 to +85°C
INPUT CURRENT:	5% to 95%
OUTPUT CURRENT REGULATION:	Convection
PROTECTION:	5 to 50Hz
DIMMING METHOD:	>100,000 hours at full load and 25°C
HOLD UP TIME:	ambient conditions (MIL-217F)
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:	-20 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)

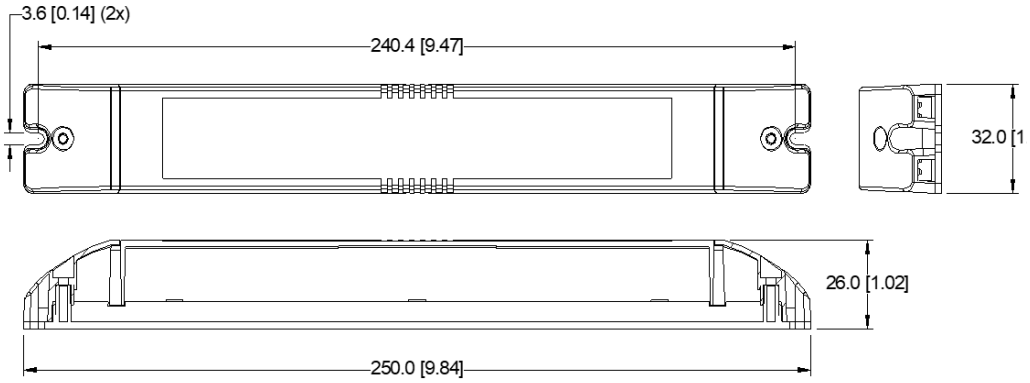
MODEL SELECTION

MODEL	CONSTANT CURRENT MODE		
	V (DC)	A (mA)	Max. W
ESL1025-24	24, ±5%	1000	25
ESL1025-36	36, ±5%	700	25
ESL1025-48	48, ±5%	500	25
Note: Constant Voltage models are not dimmable			

MODEL	CONSTANT CURRENT MODE		
	A (mA)	V (DC)	Max. W
ESL1025-24-C1400	1400 ~ 1000	14 ~ 25	25
ESL1025-36-C1000	1000 ~ 700	24 ~ 36	25
ESL1025-48-C0750	750 ~ 500	30 ~ 50	25
ESL1025-72-C0500	500 ~ 300	40 ~ 72	25

MECHANICAL SPECIFICATION: ESL1025-XX-YYY

XX = Maximum Forward Voltage (Vf)



5625 Arville St. Suite A Las Vegas NV, 89129 | Tel 702-364-9998 | csupport@magtechind.com | www.magtechind.com

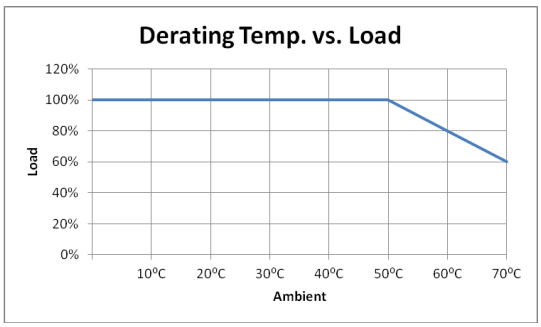
MAGTECH
The Power To Drive Innovations

Project Name:	
Type:	

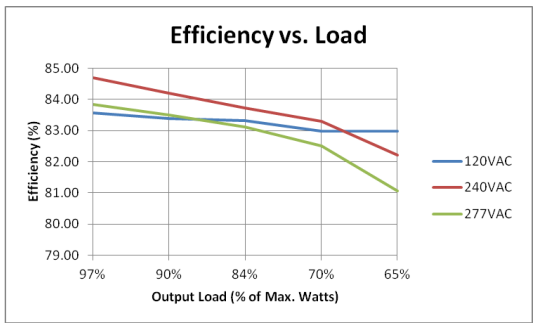
ESL1025 Series

High Power Constant Current
LED Driver

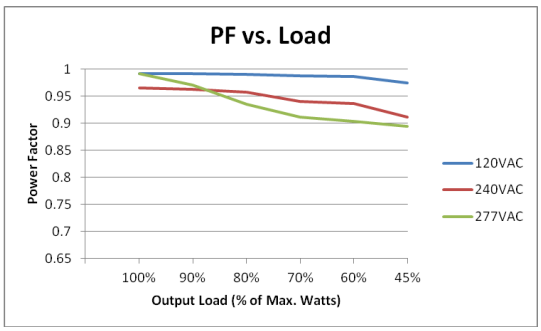
DE-RATING TEMP. VS LOAD



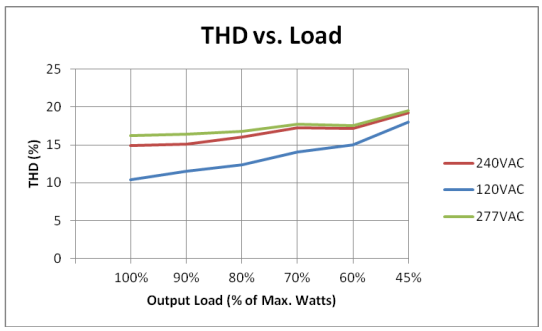
EFFICIENCY VS LOAD



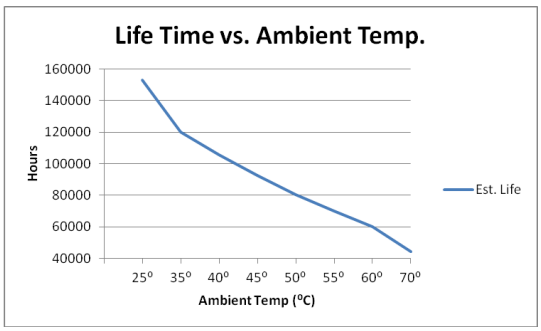
POWER FACTOR VS LOAD



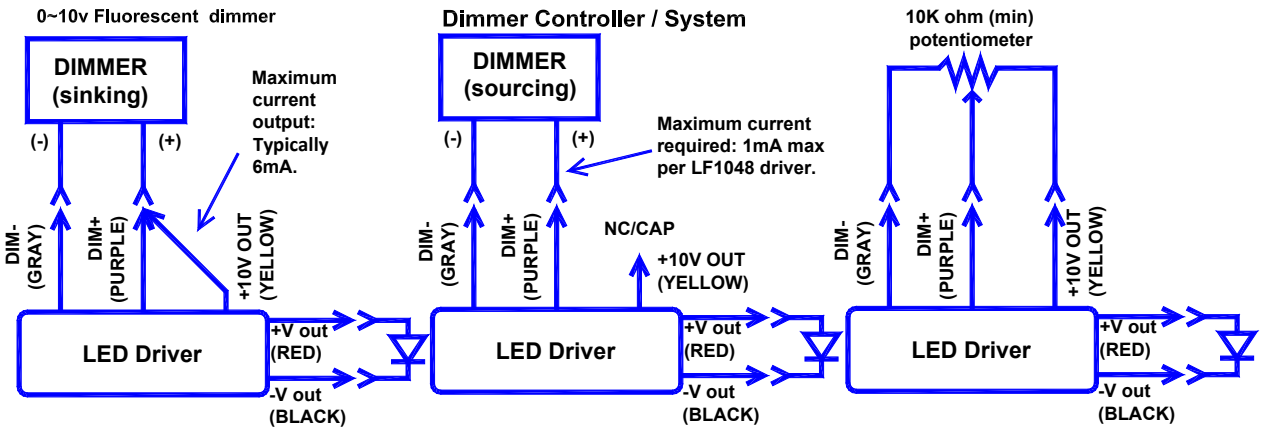
THD VS LOAD



LIFE TIME VS AMBIENT TEMP.



DIMMING WIRING DIAGRAM



5625 Arville St. Suite A Las Vegas NV, 89129 | Tel 702-364-9998 | csupport@magtechind.com | www.magtechind.com