



Features

- Constant Voltage + Constant Current mode output
- · Metal housing design with functional Ground
- · Built-in active PFC function
- No load / Standby power consumption <0.5W
- · Suitable for use in Dry, Damp and Wet Locations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off)
- Typical lifetime>50000 hours
- 5 years warranty

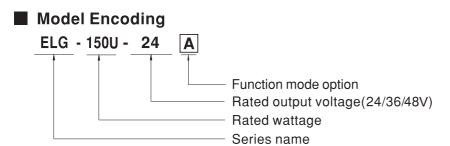
Applications

- LED street lighting
- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

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GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



Туре	Function	Note
Blank	lo and Vo fixed.	By Request
A	Io and Vo adjustable through built-in potentiometer.	By Request
В	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By Request



ELG-150U series

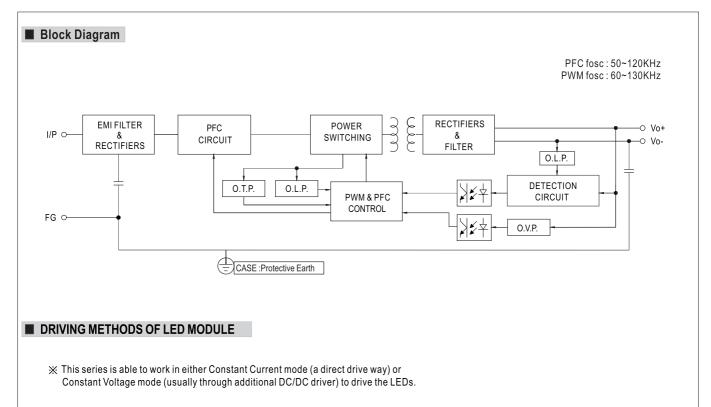
SPECIFICATION

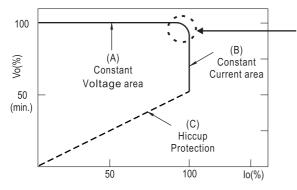
MODEL		ELG-150U-24	ELG-150U-36	ELG-150U-48		
	DC VOLTAGE	24V	36V	48V		
OUTPUT	CONSTANT CURRENT REGION Note.2	12 ~ 24V	18~36V	24~48V		
	RATED CURRENT	6.25A	4.17A	3.13A		
	RATED POWER	150W	150.1W	150.2W		
	RIPPLE & NOISE (max.) Note.3	200mVp-p	250mVp-p	250mVp-p		
	INTEL & NOIDE (Max.) Note.3	Adjustable for A-Type only (via the built-in potentiometer)				
	VOLTAGE ADJ. RANGE	, , , , , , , , , , , , , , , , , , , ,	, ,	40.0 50.01/		
		21.6~26.4V	32.4 ~ 39.6V	43.2 ~ 52.8V		
	CURRENT ADJ. RANGE	Adjustable for A-Type only (via the built-	, ,			
		3.2 ~ 6.25A	2.1 ~ 4.17A	1.56 ~ 3.13A		
	VOLTAGE TOLERANCE Note.4	±3.0%	±2.5%	±2.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION	±1.0%	±1.0%	±0.5%		
	SETUP, RISE TIME Note.6	1600ms, 80ms/120VAC 500ms, 100ms/230VAC				
	HOLD UP TIME (Typ.)	10ms/120VAC, 230VAC				
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)				
	FREQUENCY RANGE	47 ~ 63Hz				
INPUT	POWER FACTOR	PF ≧ 0.97/120VAC, PF≧ 0.95/230VAC, PF≧ 0.92/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)				
	TOTAL HARMONIC DISTORTION	THD<20%(@load≧50%/120VC; @loaœ60%/230VAC; @loaœ75%/277VAC) (Please refer to TOTAL HARMONIC DISTORTION(THD) section)				
	EFFICIENCY (Typ.)	89%	90%	90%		
	AC CURRENT		A/277VAC			
	INRUSH CURRENT(Typ.)	COLD START 65A(twidth=1ms measured at 10% Ipeak) at 277VAC; Per NEMA 410				
		<0.75mA / 277VAC				
1						
	NO LOAD / STANDBY POWER CONSUMPTION	<0.5W				
PROTECTION		95 ~ 108%				
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed				
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed				
		28~34V	41~48V	54 ~ 62V		
	OVER VOLTAGE	Shut down output voltage, re-power on	to recover			
	OVER TEMPERATURE	Shut down output voltage with auto-recovery or re-power on to recover				
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +85°C (Please refer to OUTPUT LOAD vs TEMPERATURE section)				
	MAX. CASE TEMP.	Tcase=+85°C				
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)				
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes				
		Design refer to UL8750 (type"HL"),CSA C22.22 No.250.13-12				
t	SAFETY STANDARDS WITHSTAND VOLTAGE					
SAFETY &		I/P-O/P:3.75KVAC I/P-FG:2.0KVAC 0/P-FG:1.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Design refer to FCC part 15 class A				
	EMC IMMUNITY	Design refer to IEC61000-4-2,3,4,5,6,8,11;EN61547,light industry level				
OTHERS	MTBF	2554.5K hrs min. Telcordia SR-332 (Bel	Icore) 252.4Khrs min. M	IL-HDBK-217F (25°C)		
	DIMENSION	219*63*35.5mm (L*W*H)				
	PACKING	0.95Kg;16pcs/16.0kg/0.77CUFT				
NOTE	 Please refer to "DRIVING METHI 3. Ripple & noise are measured at 24. Tolerance : includes set up tolera De-rating may be needed under I Length of set up time is measure The driver is considered as a con complete installation, the final equ (as available on https://www.mea This series meets the typical life 	titioned are measured at 230VAC input, rated DDS OF LED MODULE". For DA-Type, Cons 00MHz of bandwidth by using a 12" twisted p nce, line regulation and load regulation. ow input voltages. Please refer to "STATIC C d at first cold start. Turning ON/OFF the drive ponent that will be operated in combination v ipment manufacturers must re-quality EMC I well.com//Upload/PDF/EMI_statement_en.pc expectancy of >50,000 hours of operation white ment on MEAN WELL's website at http://www.	stant Current region is 60%-100% o air-wire terminated with a 0.1uf & 47 HARACTERISTICS" sections for de r may lead to increase of the set up with final equipment. Since EMC per Directive on the complete installation if) an Tcase, particularly (tc) point (or	f maximum voltage under rated power delivery. uf parallel capacitor. tails. time. formance will be affected by the again.		

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Typical output current normalized by rated current (%)

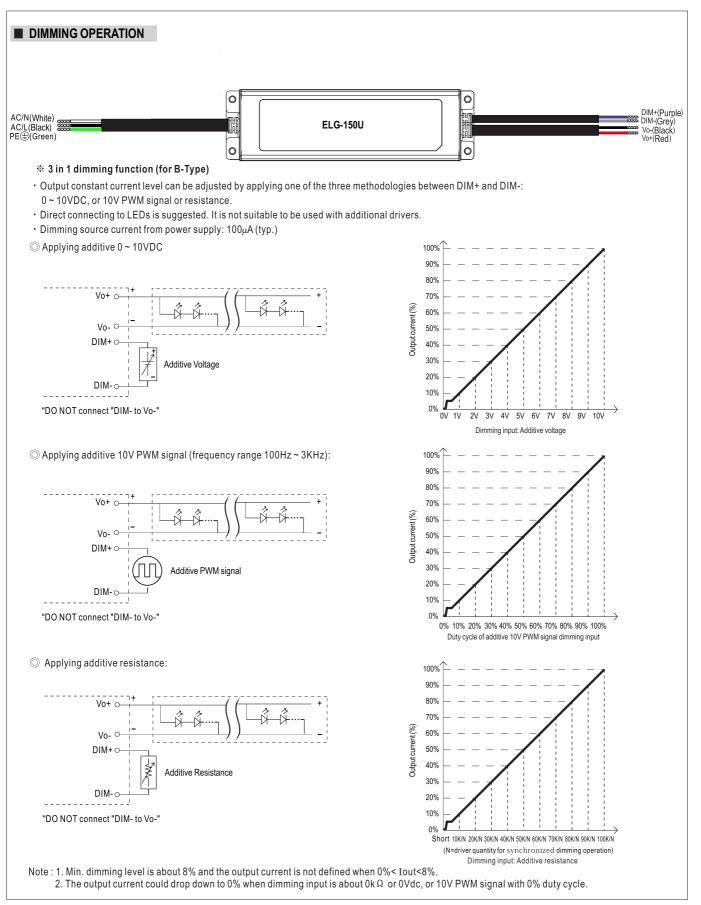
In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.

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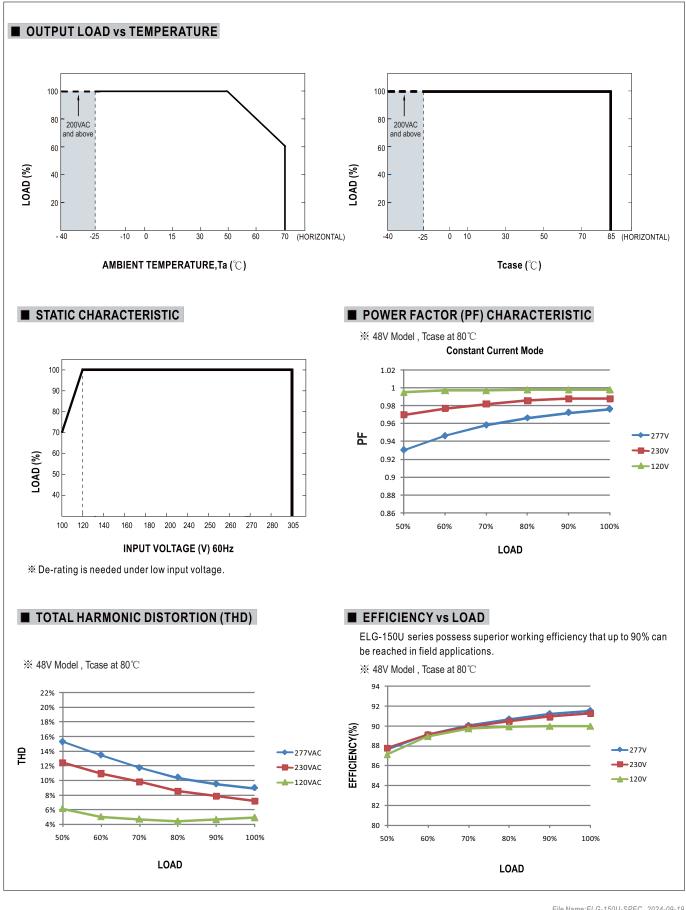
ELG-150U series



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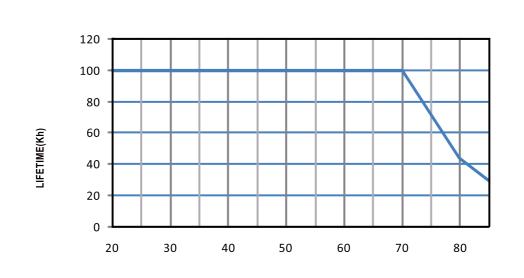


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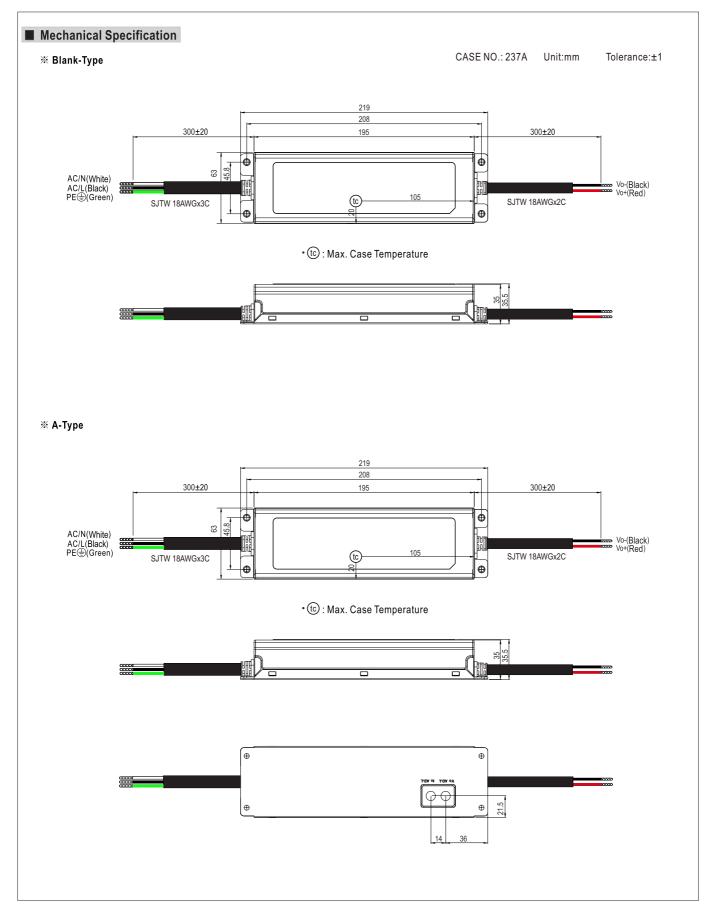
LIFE TIME



Tcase ($^{\circ}\!C$)



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