

ELG-150-48



(for DA-Type only) 🚱 🕞 🤎 W W 🕅 🕼 SELV IP65 IP67 🕼 💩

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
- · IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI; Auxiliary DC output
- Typical lifetime>50000 hours
- 5 years warranty

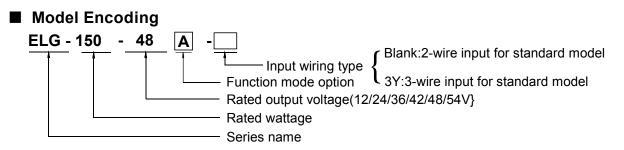
Description



Applications

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

ELG-150-48 is a 150W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-150 operates from $100 \sim 305$ VAC Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40° C $\sim +90^{\circ}$ C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-150 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system



Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance}	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance}	In Stock
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock
BE	IP67	3 in 1 dimming function and Auxiliary DC output	In Security Wholesale

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File Name:ELG-150-SPEC 2018-09-30

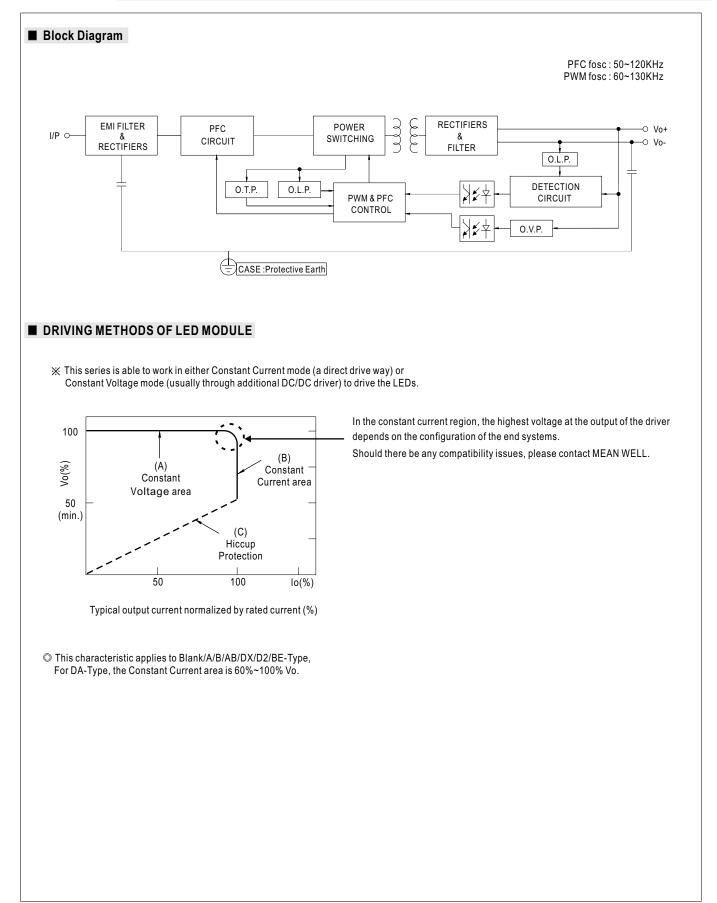


SPECIFICATION

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QUENCY RA VER FACTOR AL HARMON ICIENCY (Ty ICIENCY (Ty CURRENT	ANGE R IC DISTORTION (p.) () (for BE Type only)	(Please refer to "STATIC CHARACTERISTIC" section) 47 ~ 63Hz PF ≥ 0.97/115VAC, PF ≥ 0.95/230VAC, PF ≥ 0.92/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) THD< 20%(@load≧50%/115VC; @load≧60%/230VAC; @load≧75%/277VAC)
VER FACTO AL HARMON ICIENCY (Tyj ICIENCY (Tyj CURRENT	R IC DISTORTION (p.) (for BE Type only)	$\begin{array}{l} 47 \sim 63 \text{Hz} \\ \text{PF} \geq 0.97/115 \text{VAC}, \text{PF} \geq 0.95/230 \text{VAC}, \text{PF} \geq 0.92/277 \text{VAC} @ \text{full load} \\ (\text{Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)} \\ \text{THD} < 20\% (@ \text{load} \geq 50\%/115 \text{VC}; @ \text{load} \geq 60\%/230 \text{VAC}; @ \text{load} \geq 75\%/277 \text{VAC}) \\ (\text{Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)} \end{array}$
VER FACTO AL HARMON ICIENCY (Tyj ICIENCY (Tyj CURRENT	R IC DISTORTION (p.) (for BE Type only)	PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) THD< 20%(@load≧50%/115VC; @load≧60%/230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)
AL HARMON ICIENCY (Ty ICIENCY (Ty CURRENT	IC DISTORTION (p.) (for BE Type only)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC [™] section) THD< 20%(@load≧50%/115VC; @load≧60%/230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)
ICIENCY (Ty ICIENCY (Ty CURRENT	p.) p.)(for BE Type only)	THD< 20%(@load≧50%/115VC; @load≧60%/230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)
ICIENCY (Ty ICIENCY (Ty CURRENT	p.) p.)(for BE Type only)	(Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)
ICIENCY (Typ CURRENT	o.)(for BE Type only)	
ICIENCY (Typ CURRENT	o.)(for BE Type only)	90%
CURRENT		
		88%
JSH CURRE		1.7A / 115VAC 0.9A / 230VAC 0.7A/277VAC
INRUSH CURRENT(Typ.)		COLD START 65A(twidth=550مر) measured at 50% lpeak) at 230VAC; Per NEMA 410
MAX. No. of PSUs on 16A		3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC
CIRCUIT BREAKER		
LEAKAGE CURRENT		<0.75mA / 277VAC
NO LOAD / STANDBY POWER CONSUMPTION		No load power consumption <0.5W for Blank / A / Dx / D2-Type
		Standby power consumption <0.5W for B / AB / DA-Type
		95 ~ 108%
OVER CURRENT		Constant current limiting, recovers automatically after fault condition is removed
RT CIRCUIT	•	Hiccup mode, recovers automatically after fault condition is removed
	_	54 ~ 62V
OVER VOLTAGE		Shut down output voltage, re-power on to recover
R TEMPERA	TURE	Shut down output voltage, re-power on to recover
RKING TEMP	».	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)
. CASE TEN	IP.	Tcase=+90°C
RKING HUMI	DITY	20 ~ 95% RH non-condensing
	P., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
IP. COEFFIC		±0.03%/°C (0~60°C)
		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
		UL8750(type"HL")(except for BE-type), CSA C22.2 No. 250.13-12;
		UL8/50(type HL) (except for BE-type), USA C22.2 No. 250.13-12; IEC/EN/AS/NZS 61347-1,IEC/EN/AS/NZS 61347-2-13 independent,
ETY STAND	ARDS	EN62384,BIS IS15885(for 12/12B/12DA/24/24B/24DA/36A/42/42A/48A/54 only),
		EAC TP TC 004,GB19510.1,GB19510.14; IP65 or IP67; KC61347-1,KC61347-2-13 approved
LI STANDA	RDS	Compliance to IEC62386-101,102,207 for DA-Type only
HSTAND VO		I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC
LATION RES		I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
EMISSION		Compliance to EN55015, EN61000-3-2 Class C (@load ≥ 60%) ; EN61000-3-3; GB17743 , GB17625.1, EAC TP TC 020; KCKN15, KN61547
		Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge immunity Line-Earth 6KV, Line-Line 4KV),EAC TP TC 020; KC KN15,KN61547
		219*63*35.5mm (L*W*H)
		0.95Kg ; 16pcs/16.0kg/0.77CUFT
KING	o "DRIVING MI power delivery. e are measured cludes set up to y be needed un t up time is mea considered as a allation, the fina	ETHODS OF LED MODULE". For DA-Type, Constant Current region is 60%~100% of maximum voltage d at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Ider low input voltages. Please refer to "STATIC CHARACTERISTICS" sections for details. Issured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. component that will be operated in combination with final equipment. Since EMC performance will be affected by the l equipment manufacturers must re-qualify EMC Directive on the complete installation again. life expectancy of >50,000 hours of operation when Tcase, particularly to point (or TMP, per DLC), is about 80°C or less. statement on MEAN WELL's website at http://www.meanwell.com. erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(650 mm)
BF	neter efer t ted p nois e : in g mag of set er is o e inst	neters NOT specially efer to "DRIVING ML ted power delivery. noise are measured e : includes set up to g may be needed up of set up time is mea er is considered as a e installation, the fina es meets the typical efer to the warranty s



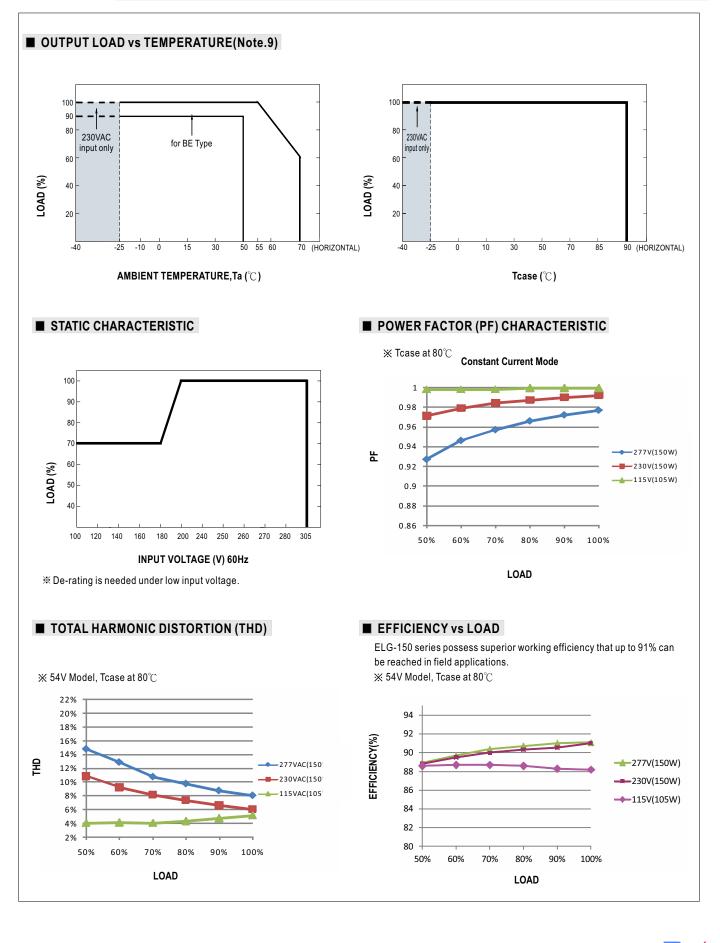
84~150W Constant Voltage + Constant Current LED Driver ELG-150-48







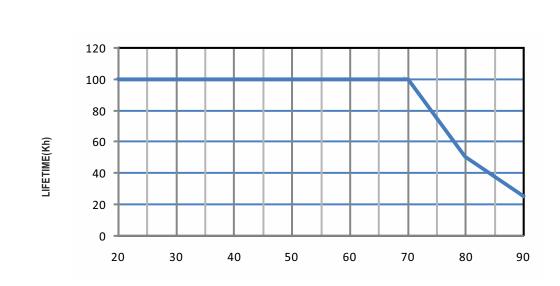
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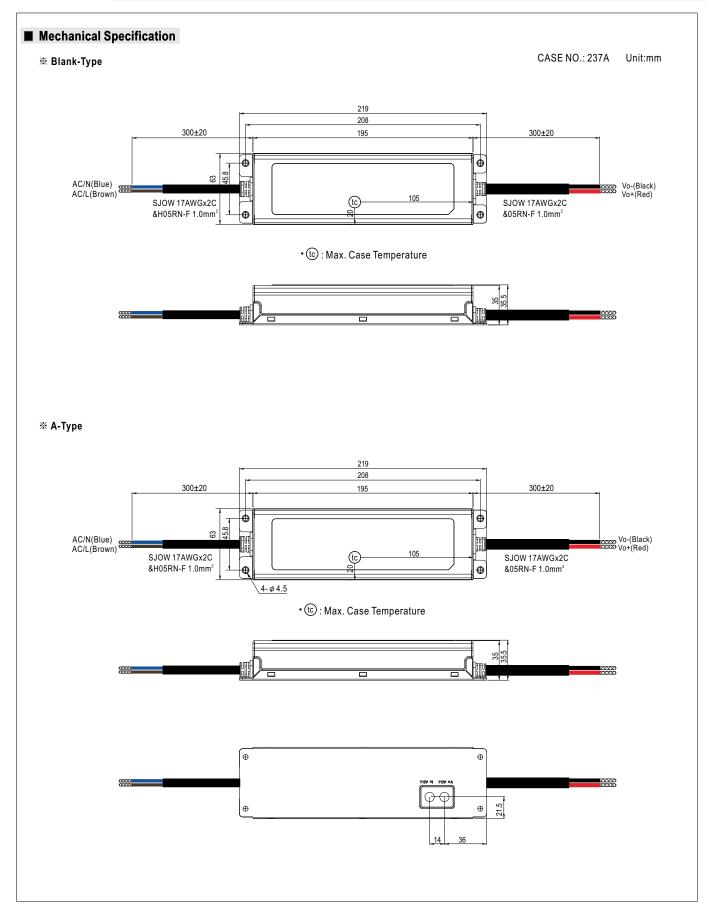
LIFE TIME



Tcase ($^{\circ}C$)



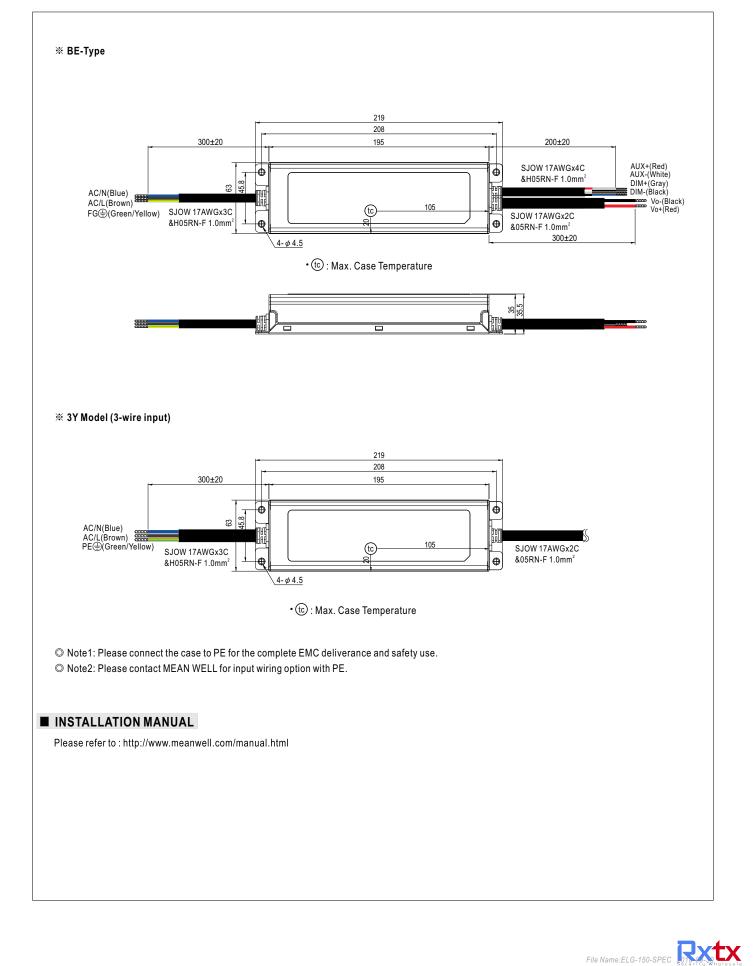








84~150W Constant Voltage + Constant Current LED Driver **ELG-150-48**



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