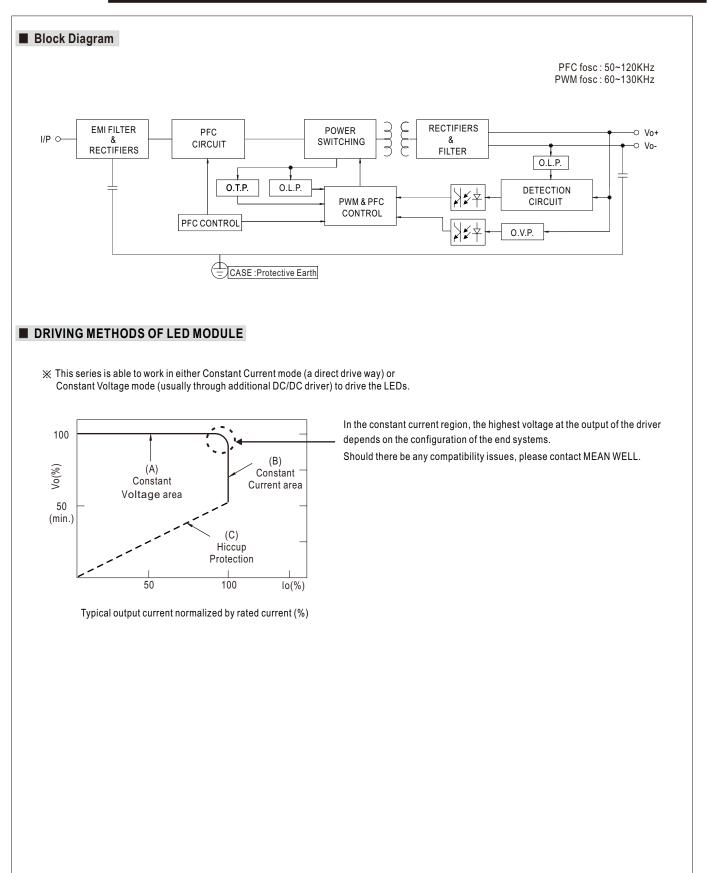


ZARA LE 180~240W Constant Voltage + Constant Current LED Driver ELG-240 series

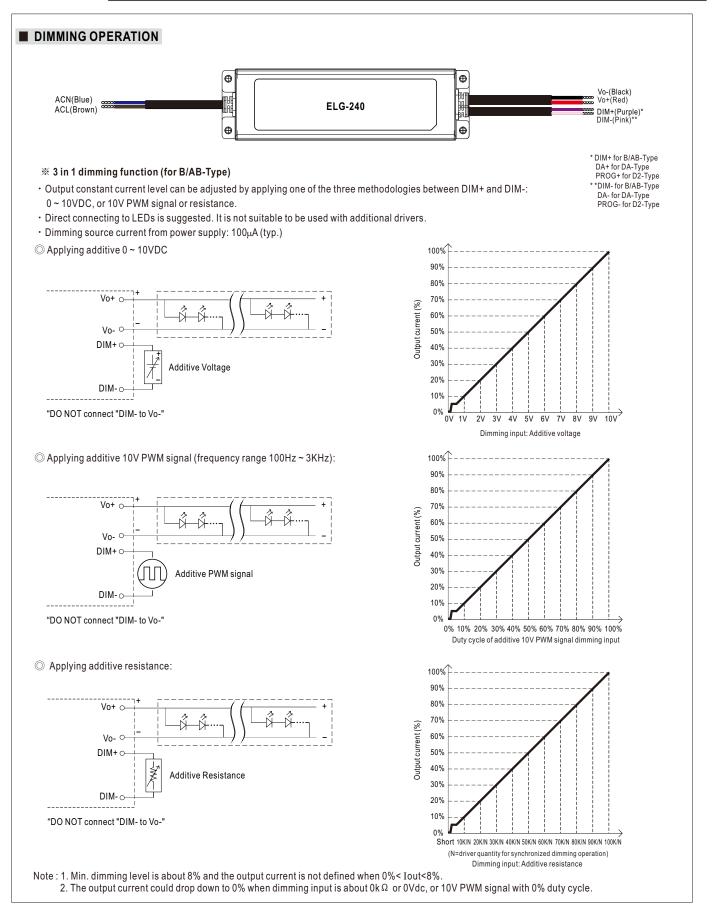
MODEL		ELG-240-24	ELG-240-36	ELG-240-42	ELG-240-48	ELG-240-54	
	DC VOLTAGE	24V	36V	42V	48V	54V	
	CONSTANT CURRENT REGION Note.2	12 ~ 24V	18 ~ 36V	21~42V	24 ~ 48V	27 ~ 54V	
	RATED CURRENT	10A	6.66A	5.71A	5.0A	4.45A	
		200VAC ~ 305VAC					
	RATED POWER	240W	239.76W	239.82W	240W	240.3W	
	RAILDFOWLK	100VAC ~ 180VAC			2.000		
			10014/	470 7014	100\\	190.26\	
		180W	180W	179.76W	180W	180.36W	
	RIPPLE & NOISE (max.) Note.3	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p	
	VOLTAGE ADJ. RANGE	Adjustable for A/AB-Typ	e only (via built-in poten	iometer)			
OUTDUT	VOLIAGE ADJ. KANGE	22.4 ~ 25.6V	33.5 ~ 38.5V	39 ~ 45V	44.8 ~ 51.2V	50 ~ 57V	
OUTPUT		Adjustable for A/AB-Typ	e only (via built-in potent	iometer)			
	CURRENT ADJ. RANGE	5~10A 3.33~6.66A 2.86~5.71A 2.5~5A 2.23~4.45A					
	VOLTAGE TOLERANCE Note.4	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
					±0.3%	±0.3%	
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1000ms, 100ms/115VAC					
	HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/ 115VAC					
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC					
	I DEMOLINATOL NOLE.D	(Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
		PF ≥ 0.97/115VAC, PF ≥ 0.95/230VAC, PF ≥ 0.92/277VAC@full load					
	POWER FACTOR	(Please refer to "POWEF	R FACTOR (PF) CHARAC	TERISTIC" section)			
		THD< 20%(@load≧50%/115VC,230VAC; @load≧75%/277VAC)					
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)					
INPUT	EFFICIENCY (Typ.)	92%	92%	92.5%	93%	93%	
	AC CURRENT				0070	0070	
	INRUSH CURRENT(Typ.)						
		COLD START 60A(twidth=510µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	NO LOAD / STANDBY	No load power consumption <0.5W for Blank / A / Dx / D-Type					
	POWER CONSUMPTION Note.7						
		95 ~ 108%					
	OVER CURRENT						
		Constant current limiting, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed					
PROTECTION	SHORT CIRCUIT	27 ~ 34V	42 ~ 49V	47 ~ 54V	54 ~ 621/	60~67V	
	OVER VOLTAGE				54 ~ 63V	00-070	
			ige, re-power on to reco				
	OVER TEMPERATURE		ge, re-power on to reco				
	WORKING TEMP.	Tcase=-40 ~ +90°C (Ple	ease refer to " OUTPUT L	OAD vs TEMPERATURE"	section)		
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20 ~ 95% RH non-cond	ensing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +90°C , 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
	VIBRATION		1cvcle, period for 72min	, each along X, Y 7 axes			
		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), CSA C22.2 No. 250.13-12;IEC/BS EN/EN/AS/NZS 61347-1, IEC/BS EN/EN/AS/NZS 61347-2-13 independent,					
	SAFETY STANDARDS						
		BS EN/EN62384; EAC TP TC 004;BIS IS15885(for 24/24A/24B/24DA/36/36A/36B/42/42A/42B/48/48A/48B/54/54A/54ADA/54B only GB19510.14,GB19510.1; IP65 or IP67;KC61347-1,KC61347-2-13 approved					
SAFETY &	DALI STANDARDS	Compliance to IEC62386-101,102,(207 by request) for DA Type only					
EMC	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC					
LING	ISOLATION RESISTANCE						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Compliance to BS EN/EN55015,BS EN/EN61000-3-2 Class C (@load ≥ 50%) ; BS EN/EN61000-3-3;					
	EMC EMISSION		EN55015,BS EN/EN6100 EAC TP TC 020; KC KN15		J%); BS EN/EN61000-3-3		
	EMC IMMUNITY				dustry level (surge immuni	ty Line-Earth 6KV,	
			TC 02; KC KN15,KN615				
	MTBF		cordia SR-332 (Bellcore)	; 190.7K hrs min.	/IIL-HDBK-217F (25℃)		
OTHERS	DIMENSION	244*71*37.5mm (L*W*I	,				
	PACKING	1.22Kg; 12pcs / 15.2Kg	/ 0.72CUFT				
NOTE	1. All parameters NOT specially r			rrent and 25°C of ambient te	emperature.		
		ATHODS OF LED MODULE". ad at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.					
	4. Tolerance : includes set up tole	tolerance, line regulation and load regulation.					
	5. De-rating may be needed under	nder low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.					
		easured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. Insumption is specified for 230VAC input.					
	No load/standby power consumption is specified for 230VAC input. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the						
	complete installation, the final e	plete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.					
		al life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 70 °C or less. ty statement on MEAN WELL's website at http://www.meanwell.com					
		y statement on MEAN WELL's website at http://www.meanwell.com Jerating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).					
	12. For any application note and	d IP water proof function installation caution, please refer our user manual before using.					
		om/Upload/PDF/LED_EN.pdf f the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently					
	connected to the mains.	natest ETF regulation for lighting lixtures, this LED power supply can only be used benind a switch without permanently					
		or detailed information, pl	ease refer to https://www.	meanwell.com/serviceDiscla	imer.aspx		















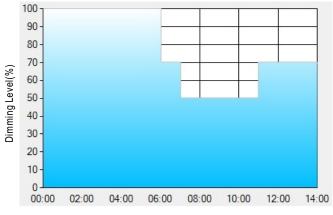
ELG-240 series

- ※ DALI Interface (primary side; for DA-Type)
- · Apply DALI signal between DA+ and DA-.
- · DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

% Smart timer dimming function (for Dxx-Type by User definition)

MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level to perform up to 14 consecutive hours. 3 dimming profiles hereunder are defined accounting for the most frequently seen applications. If other options may be needed, please contact MEAN WELL for details.

Ex : O D01-Type: the profile recommended for residential lighting



Set up for D01-Type in Smart timer dimming software program:

	T1	T2	Т3	Τ4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

Operating Time(HH:MM)

**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

Example: If a residential lighting application adopts D01-Type, when turning on the power supply at 6:00pm, for instance:

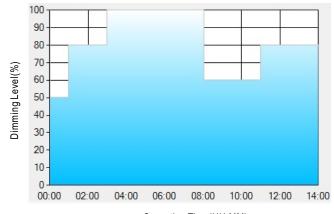
[1] The power supply will switch to the constant current level at 100% starting from 6:00pm.

[2] The power supply will switch to the constant current level at 70% in turn, starting from 0:00am, which is 06:00 after the power supply turns on.

[3] The power supply will switch to the constant current level at 50% in turn, starting from 1:00am, which is 07:00 after the power supply turns on.

[4] The power supply will switch to the constant current level at 70% in turn, starting from 5:00am, which is 11:00 after the power supply turns on. The constant current level remains till 8:00am, which is 14:00 after the power supply turns on.

 $Ex: \bigcirc D02$ -Type: the profile recommended for street lighting



Set up for D02-Type in Smart timer dimming software program:

	T1	T2	Т3	Τ4	Τ5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

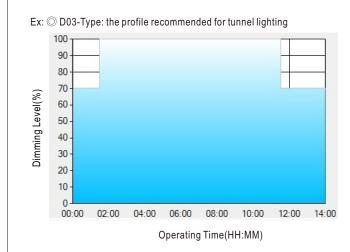
Operating Time(HH:MM)

- **: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.
- Example: If a street lighting application adopts D02-Type, when turning on the power supply at 5:00pm, for instance:
- [1] The power supply will switch to the constant current level at 50% starting from 5:00pm.
- [2] The power supply will switch to the constant current level at 80% in turn, starting from 6:00pm, which is 01:00 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 100% in turn, starting from 8:00pm, which is 03:00 after the power supply turns on.
- [4] The power supply will switch to the constant current level at 60% in turn, starting from 1:00am, which is 08:00 after the power supply turns on.
 [5] The power supply will switch to the constant current level at 80% in turn, starting from 4:00am, which is 11:00 after the power supply turns on. The
- constant current level remains till 6:30am, which is 14:00 after the power supply turns on.





ELG-240 series



Set up for D03-Type in Smart timer dimming software program:

	T1	T2	Т3
TIME**	01:30	11:00	
LEVEL**	70%	100%	70%

**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

Example: If a tunnel lighting application adopts D03-Type, when turning on the power supply at 4:30pm, for instance:

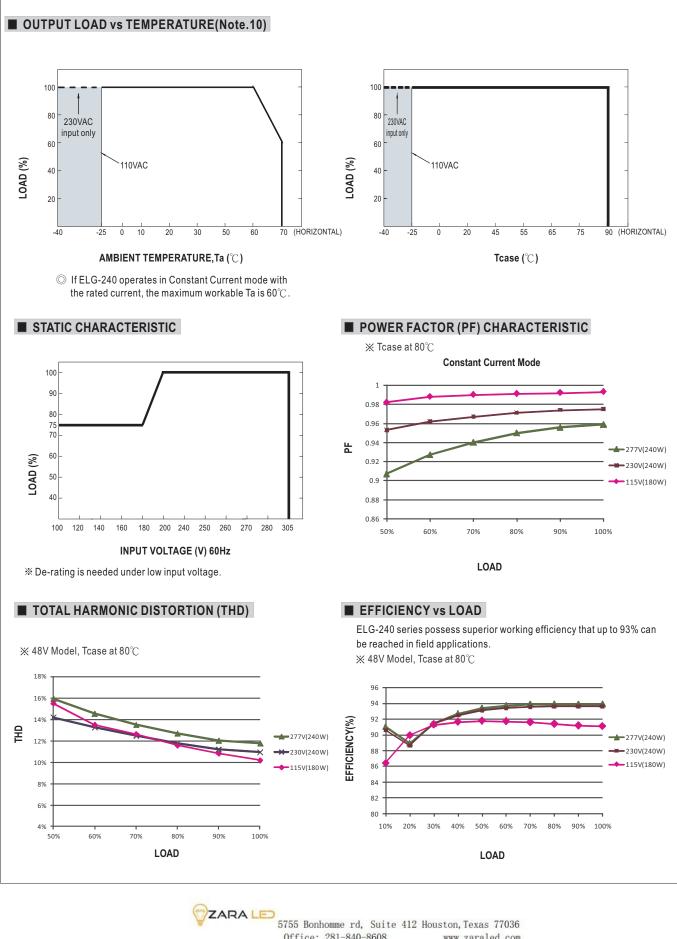
[1] The power supply will switch to the constant current level at 70% starting from 4:30pm.

[2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.

[3] The power supply will switch to the constant current level at 70% in turn, starting from 5:00am, which is 11:00 after the power supply turns on. The constant current level remains till 6:30am, which is 14:00 after the power supply turns on.









ELG-240 series 180~240W Constant Voltage + Constant Current LED Driver

