

# Alimentatore Led



## Alimentatore 24V 240 W IP65 A-ELG IP65

Cod. 112215



Alimentatore adatto ad installazioni in esterno. Corpo in alluminio Classi di protezione I, MM 110. Tensione e corrente regolabili mediante potenziometro

## Caratteristiche tecniche





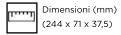








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## ■ Features

- · Constant Voltage + Constant Current mode output
- · Metal housing design with functional Ground
- · Built-in active PFC function
- No load / Standby power consumption < 0.5W</li>
- 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
- Typical lifetime>50000 hours
- 5 years warranty

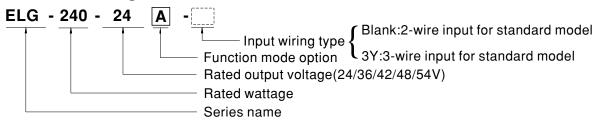
# **Applications**

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

## Description

ELG-240 series is a 240W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-240 operates from 100~305VAC and offers models with different rated voltage ranging between 24V and 54V. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40 °C ~ +90 °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-240 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

# Model Encoding



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
Α	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



#### **SPECIFICATION**

		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				
	TOTAL DI GWENT	100VAC ~ 180VAC		-	-	-				
ОИТРИТ		180W	180W	179.76W	180W	180.36W				
	RIPPLE & NOISE (max.) Note.3		250mVp-p	250mVp-p	250mVp-p	350mVp-p				
		Adjustable for A/AB-Type only (via built-in potentiometer)								
	VOLTAGE ADJ. RANGE	22.4 ~ 25.6V	33.5 ~ 38.5V	39 ~ 45V	44.8 ~ 51.2V	50 ~ 57V				
			pe only (via built-in poten		44.0 31.21	30 37 V				
	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%				
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
	LOAD REGULATION				±0.5%	±0.5%				
	SETUP, RISE TIME Note.6		C, 1000ms, 100ms/115V	AC						
	HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/								
	VOLTAGE RANGE Note.5		2 ~ 431VDC							
		(Please refer to "STAT	IC CHARACTERISTIC" s	ection)						
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR	$ \begin{array}{l} \text{PF} \geqq 0.97/115 \text{VAC}, \text{PF} \geqq 0.95/230 \text{VAC}, \text{PF} \geqq 0.92/277 \text{VAC} \textcircled{m} \text{full load} \\ \text{(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)} \end{array} $								
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧50%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)								
NPUT	EFFICIENCY (Typ.)	92%	92%	92.5%	93%	93%				
	AC CURRENT	2.2A / 115VAC 1.5A	/ 230VAC 1.2A/277VA	/C		•				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=510µs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA/277VAC								
	NO LOAD / STANDBY POWER CONSUMPTION Note.7	No load power consumption <0.5W for Blank / A / Dx / D-Type								
	TOTIZA CONCOMI TION NOW.	Ctanazy poner concar	IIPIIOII \0.5W IOI B / AB /	DA-Type						
	OVER CURRENT	95 ~ 108%		6 6 11 111 1						
			<u> </u>	y after fault condition is ren	noved					
	SHORT CIRCUIT		s automatically after fault		I					
PROTECTION	OVER VOLTAGE	27 ~ 34V	42 ~ 49V	47 ~ 54V	54 ~ 63V	60 ~ 67V				
		Shut down output voltage, re-power on to recover								
	OVER TEMPERATURE	Shut down output volt	age, re-power on to reco	ver						
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)								
	WORKING ILWIF.	10000 10 10000 (1	lease relei to OOTI OTI	EO/ID TO TEIMI ETT/TOTAL	Tcase=+90°C					
	MAX. CASE TEMP.	,	lease refer to COTT OTT	TO TE IIII ETO TOTAL						
		,		TO NO TERM ENTROLE						
ENVIRONMENT	MAX. CASE TEMP.	Tcase=+90°C	densing	10110 TO TEMP EIGHT ONE						
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY	Tcase=+90°C 20 ~ 95% RH non-cond	densing							
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Tcase=+90°C $20 \sim 95\%$ RH non-cond $-40 \sim +90$ °C, $10 \sim 95\%$ $\pm 0.03\%$ 7°C $(0 \sim 60$ °C)	densing RH	n. each along X, Y, Z axes						
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS	Jensing RH ./1cycle, period for 72min A C22.2 No. 250.13-12;IE 315885(for 24/24B/36/36/							
	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Tcase=+90 $^{\circ}$ C 20 ~ 95% RH non-cond -40 ~ +90 $^{\circ}$ C, 10 ~ 95% $\pm$ 0.03%/ $^{\circ}$ C (0 ~ 60 $^{\circ}$ C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347	densing RH ./1cycle, period for 72min A C22.2 No. 250.13-12; lE 315885(for 24/24B/36/36/ 2-13 approved	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or						
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62	densing .RH ./1cycle, period for 72mir A C22.2 No. 250.13-12;IE 615885(for 24/24B/36/36/ 2-13 approved 386-101,102,(207 by rec	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only						
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62 I/P-O/P:3.75KVAC	densing .RH ./1cycle, period for 72mir A C22.2 No. 250.13-12;IE 315885(for 24/24B/36/36/ 2-13 approved 386-101,102,(207 by red	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only FG:1.5KVAC						
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P-	densing .RH ./1cycle, period for 72mir A C22.2 No. 250.13-12;IE 315885(for 24/24B/36/36/ 2-13 approved 386-101,102,(207 by red I/P-FG:2.0KVAC O/P- FG:100M Ohms / 500VD	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only FG:1.5KVAC C / 25°C/70% RH	nly);GB19510.14,GB19510	1.1; IP65 or IP67;				
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Tcase=+90°C 20 ~ 95% RH non-cone -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN550	densing ./1cycle, period for 72min A C22.2 No. 250.13-12;IE S15885(for 24/24B/36/36/ 2-13 approved 386-101,102,(207 by red I/P-FG:2.0KVAC O/P- FG:100M Ohms / 500VD I5,EN61000-3-2 Class C (	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only FG:1.5KVAC C / 25°C / 70% RH @load ≥ 50%); EN61000-3-	nly);GB19510.14,GB19510	1.1; IP65 or IP67; TP TC 020; KC KN15,KN61				
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN550° Compliance to EN61000-4	densing ./1cycle, period for 72min A C22.2 No. 250.13-12; lt S15885(for 24/24B/36/36/ 2-13 approved 386-101,102,(207 by red I/P-FG:2.0KVAC O/P- FG:100M Ohms / 500VD 15,EN61000-3-2 Class C ( -2,3,4,5,6,8,11; EN61547, ligh	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only FG:1.5KVAC C / 25℃ / 70% RH @load ≥ 50%); EN61000-3-it industry level (surge immunity	nly);GB19510.14,GB19510 3;GB17625.1,GB17743;EAC Line-Earth 6KV, Line-Line 4KV)	1.1; IP65 or IP67; TP TC 020; KC KN15,KN61:				
SAFETY & EMC	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN550° Compliance to EN61000-4 826.7K hrs min. Tel	densing RH  ./1cycle, period for 72min A C22.2 No. 250.13-12; lt S15885(for 24/24B/36/36/ 2-13 approved 386-101,102,(207 by red I/P-FG:2.0KVAC O/P- FG:100M Ohms / 500VD 15,EN61000-3-2 Class C ( -2,3,4,5,6,8,11; EN61547, light cordia SR-332 (Bellcore)	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only FG:1.5KVAC C / 25℃ / 70% RH @load ≥ 50%); EN61000-3-it industry level (surge immunity	nly);GB19510.14,GB19510	1.1; IP65 or IP67; TP TC 020; KC KN15,KN61				
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	Tcase=+90°C 20 ~ 95% RH non-cond -40 ~ +90°C, 10 ~ 95% ±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min UL8750(type"HL"), CS EAC TP TC 004;BIS IS KC61347-1,KC61347- Compliance to IEC62 I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/P- Compliance to EN550° Compliance to EN61000-4	densing RH  ./1cycle, period for 72min A C22.2 No. 250.13-12; lt S15885(for 24/24B/36/36/2-13 approved 386-101,102,(207 by red I/P-FG:2.0KVAC O/P-FG:100M Ohms / 500VD 15,EN61000-3-2 Class C ( -2,3,4,5,6,8,11; EN61547, light cordia SR-332 (Bellcore)	n. each along X, Y, Z axes EC/EN/AS/NZS 61347-1, IE A/42/42A/48/48A/54/54A or quest) for DA Type only FG:1.5KVAC C / 25℃ / 70% RH @load ≥ 50%); EN61000-3-it industry level (surge immunity	nly);GB19510.14,GB19510 3;GB17625.1,GB17743;EAC Line-Earth 6KV, Line-Line 4KV)	1.1; IP65 or IP67; TP TC 020; KC KN15,KN61				

- 4. Tolerance: includes set up tolerance, line regulation and load regulation.
- 5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.
  6. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.
- 7. No load/standby power consumption is specified for 230VAC input.
- 8. 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 equipment manufacturers must re-qualify EMC Directive on the complete installation again.

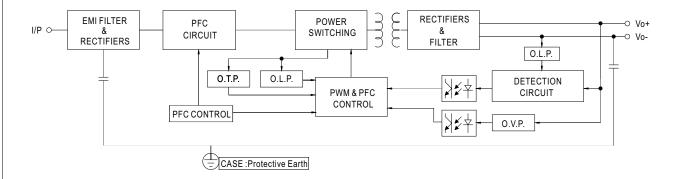
  9. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 70°C or less.

  10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com

- 11. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED\_EN.pdf

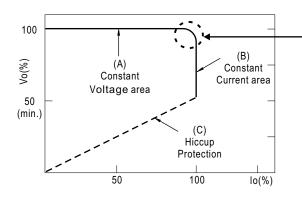
## ■ Block Diagram

PFC fosc: 50~120KHz PWM fosc: 60~130KHz



## ■ DRIVING METHODS OF LED MODULE

X This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.



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.

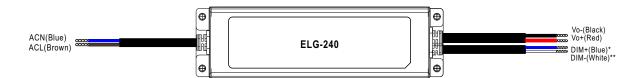
Should there be any compatibility issues, please contact MEAN WELL.

\* DIM+ for B/AB-Type DA+ for DA-Type PROG+ for D2-Type \* \*DIM- for BA-Type

DA- for DA-Type PROG- for D2-Type

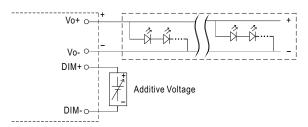


## **■** DIMMING OPERATION



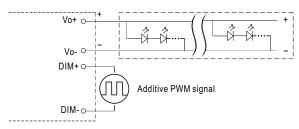
## **※** 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:  $0 \sim 10 \text{VDC}$ , or 10 V PWM signal or resistance.
- · Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply:  $100\mu A$  (typ.)
- O Applying additive 0 ~ 10VDC



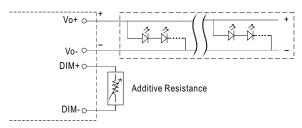
"DO NOT connect "DIM- to Vo-"

O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

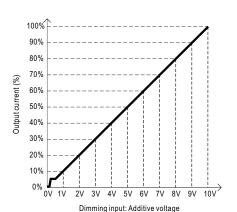


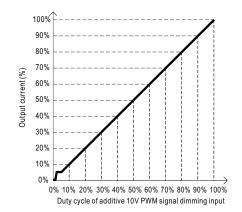
"DO NOT connect "DIM- to Vo-"

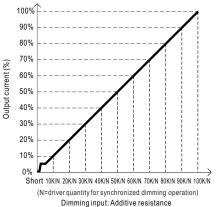
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"







Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%.

2. The output current could drop down to 0% when dimming input is about 0k Ω or 0Vdc, or 10V PWM signal with 0% duty cycle.

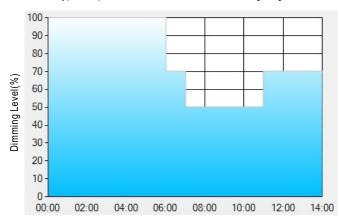
#### DALI Interface (primary side; for DA-Type)

- · Apply DALI signal between DA+ and DA-.
- · DALI protocol comprises 16 groups and 64 addresses.
- · First step is fixed at 8% of output.

#### **X** 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: OD01-Type: the profile recommended for residential lighting



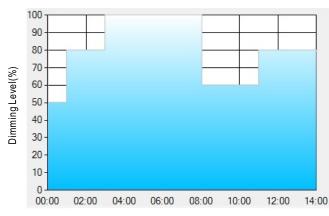
Set up for D01-Type in Smart timer dimming software program:

	T1	T2	Т3	T4
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: O D02-Type: the profile recommended for street lighting



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

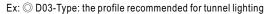
	T1	T2	Т3	T4	T5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

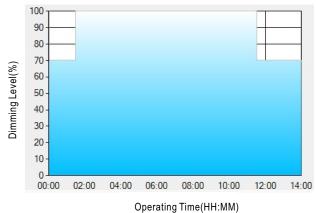
#### Operating Time(HH:MM)

- \*\*: 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.

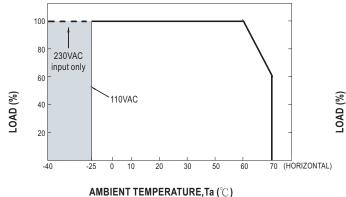
Example: If a tunnel lighting application adopts D03-Type, when turning on the power supply at 4:30pm, for instance:

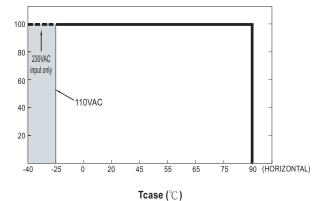
- [1] The power supply will switch to the constant current level at 70% starting from 4:30pm.
- [2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 70% in turn, starting from 5:00 am, which is 11:00 after the power supply turns on.

The constant current level remains till  $6:30\,\mathrm{am}$ , which is 14:00 after the power supply turns on.



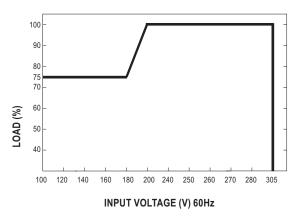
## ■ OUTPUT LOAD vs TEMPERATURE(Note.10)





 If ELG-240 operates in Constant Current mode with the rated current, the maximum workable Ta is 60°C.

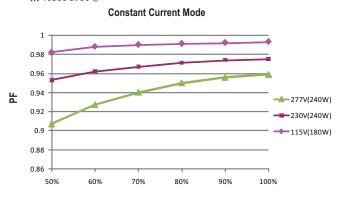
## ■ STATIC CHARACTERISTIC



\* De-rating is needed under low input voltage.

# ■ POWER FACTOR (PF) CHARACTERISTIC

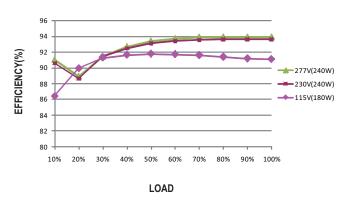




## ■ EFFICIENCY vs LOAD

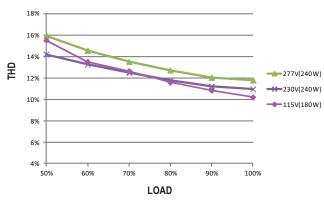
ELG-240 series possess superior working efficiency that up to 93% can be reached in field applications.

LOAD



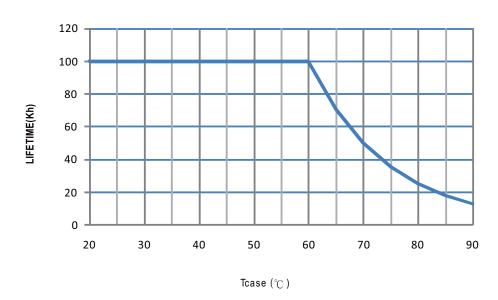
## ■ TOTAL HARMONIC DISTORTION (THD)

# 

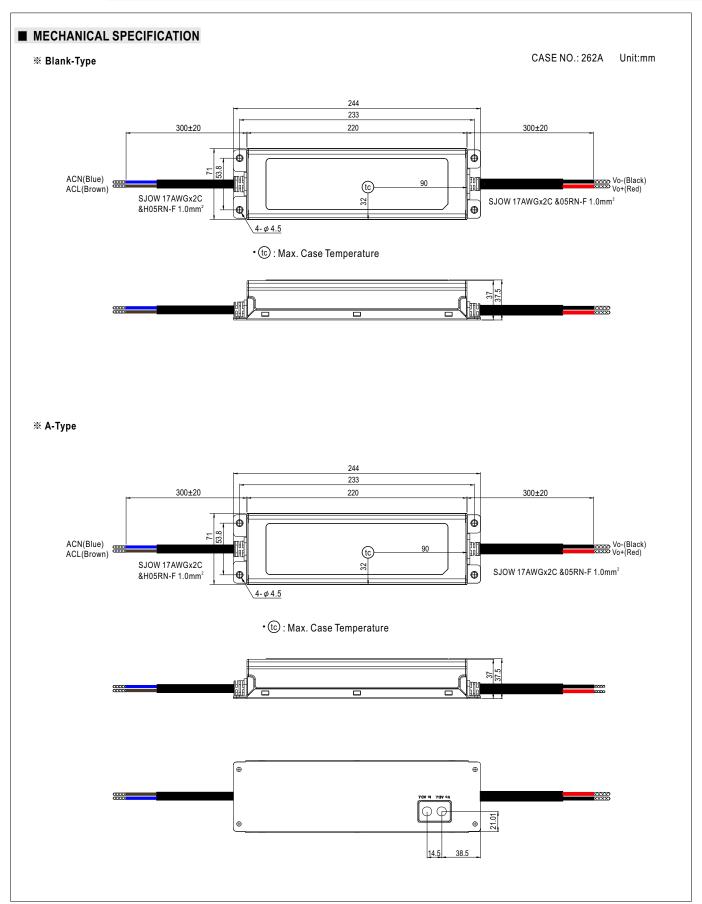




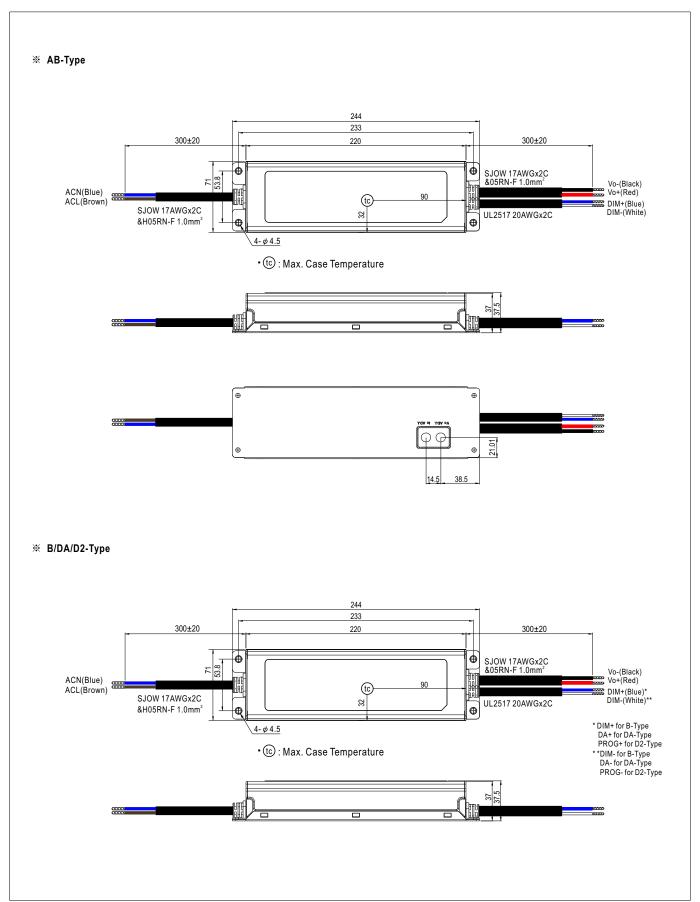
# ■ LIFE TIME





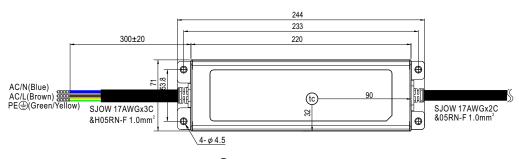








## ※ 3Y Model (3-wire input)



• tc : Max. Case Temperature

- O Note1: Please connect the case to PE for the complete EMC deliverance and safety use.
- $\ \, \bigcirc$  Note2: Please contact MEAN WELL for input wiring option with PE.

## ■ INSTALLATION MANUAL

Please refer to: http://www.meanwell.com/manual.html