

ELG-240 series









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
- 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.

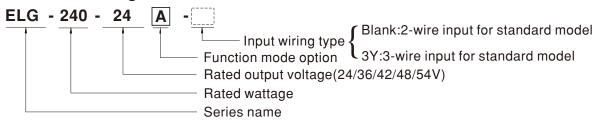
GTIN CODE

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

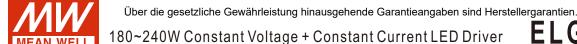
Description

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

DITAGE ANT CURRENT REGION Note.2 DICURRENT DIPOWER E & NOISE (max.) Note.3 AGE ADJ. RANGE ENT ADJ. RANGE AGE TOLERANCE Note.4 REGULATION P. RISE TIME Note.6 UP TIME (Typ.) AGE RANGE HARMONIC DISTORTION ENCY (Typ.) REENT H CURRENT(Typ.) No. of PSUs on 16A BIT BREAKER	10A 200VAC ~ 305VAC 240W 100VAC ~ 180VAC 180W 200mVp-p Adjustable for A/AB-Ty 22.4 ~ 25.6V Adjustable for A/AB-Ty 5 ~ 10A ±2.0% ±0.5% 500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50) (Please refer to "TOTA) 92% 2.2A / 115VAC 1.5A	2 ~ 431VDC C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAG %/115VC,230VAC; @lo LL HARMONIC DISTOR	39 ~ 45V itiometer) 2.86 ~ 5.71A ±2.0% ±0.5% ±0.5% AC ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)	48V 24 ~ 48V 5.0A 240W 180W 250mVp-p 44.8 ~ 51.2V 2.5 ~ 5A ±2.0% ±0.5% ±0.5%	54V 27 ~ 54V 4.45A 240.3W 180.36W 350mVp-p 50 ~ 57V 2.23 ~ 4.45A ±2.0% ±0.5%					
D CURRENT D POWER E & NOISE (max.) Note.3 AGE ADJ. RANGE ENT ADJ. RANGE AGE TOLERANCE Note.4 REGULATION P. RISE TIME Note.6 UP TIME (Typ.) AGE RANGE Note.5 JENCY RANGE R FACTOR HARMONIC DISTORTION IENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	10A 200VAC ~ 305VAC 240W 100VAC ~ 180VAC 180W 200mVp-p Adjustable for A/AB-Ty 22.4 ~ 25.6V Adjustable for A/AB-Ty 5 ~ 10A ±2.0% ±0.5% 500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50) (Please refer to "TOTA) 92% 2.2A / 115VAC 1.5A	180W 250mVp-p 250mVp-p 250mVp-p 33.5 ~ 38.5 V 250mVp-p 33.3 ~ 6.66A ±2.0% ±0.5% ±0.5% ±0.5% ±0.5% 27.000ms, 100ms/115VCC C CHARACTERISTIC" s 2 ~ 431VDC 2 ~ 431VDC 2 ~ 431VDC 2 ~ 431VDC 3 ~	5.71A 239.82W 179.76W 250mVp-p Itiometer) 39 ~ 45V Itiometer) 2.86 ~ 5.71A ±2.0% ±0.5% ±0.5% AC 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)	5.0A 240W 180W 250mVp-p 44.8 ~ 51.2V 2.5 ~ 5A ±2.0% ±0.5%	4.45A 240.3W 180.36W 350mVp-p 50 ~ 57V 2.23 ~ 4.45A ±2.0% ±0.5%					
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AGE TOLERANCE Note.4 REGULATION REGULATION P, RISE TIME Note.6 UP TIME (Typ.) AGE RANGE Note.5 JENCY RANGE HARMONIC DISTORTION JENCY (Typ.) REENT H CURRENT(Typ.) No. of PSUs on 16A	5 ~ 10A ±2.0% ±0.5% ±0.5% 500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 92% 2.2A/115VAC 1.5A	3.33 ~ 6.66A ±2.0% ±0.5% ±0.5% ∴ 1000ms, 100ms/115V 115VAC 2 ~ 431VDC C CHARACTERISTIC" s ≥0.95/230VAC, PF ≥0.9; R FACTOR (PF) CHARAC %/115VC,230VAC; @lo LL HARMONIC DISTOR	2.86 ~ 5.71A ±2.0% ±0.5% ±0.5% AC ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)	±2.0% ±0.5%	±2.0% ±0.5%					
AGE TOLERANCE Note.4 REGULATION REGULATION P, RISE TIME Note.6 UP TIME (Typ.) AGE RANGE Note.5 JENCY RANGE HARMONIC DISTORTION JENCY (Typ.) REENT H CURRENT(Typ.) No. of PSUs on 16A	±2.0% ±0.5% 500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 92% 2.2A / 115VAC 1.5A	±2.0% ±0.5% ±0.5% c, 1000ms, 100ms/115V 115VAC 2 ~ 431VDC C CHARACTERISTIC" s ≥0.95/230VAC, PF≥0.9; R FACTOR (PF) CHARAC %/115VC,230VAC; @lo kL HARMONIC DISTOR: 92%	±2.0% ±0.5% ±0.5% AC ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)	±2.0% ±0.5%	±2.0% ±0.5%					
REGULATION REGULATION P, RISE TIME Note.6 UP TIME (Typ.) GE RANGE Note.5 JENCY RANGE HARMONIC DISTORTION JENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	±0.5% ±0.5% 500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 92% 2.2A / 115VAC 1.5A	±0.5% ±0.5% 2. 1000ms, 100ms/115V 115VAC 2 ~ 431VDC C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAC %/115VC,230VAC; @lo LL HARMONIC DISTOR	±0.5% ±0.5% AC ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)	±0.5%	±0.5%					
REGULATION P, RISE TIME Note.6 UP TIME (Typ.) GE RANGE Note.5 JENCY RANGE HARMONIC DISTORTION JENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	±0.5% 500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 92% 2.2A / 115VAC 1.5A	±0.5% 2, 1000ms, 100ms/115V 115VAC 2 ~ 431VDC C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9: R FACTOR (PF) CHARAC %/115VC,230VAC; @lo LL HARMONIC DISTOR 92%	±0.5% AC ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)							
P, RISE TIME Note.6 UP TIME (Typ.) GE RANGE Note.5 JENCY RANGE HARMONIC DISTORTION JENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	500ms, 100ms/230VAC 10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 92% 2.2A / 115VAC 1.5A	C, 1000ms, 100ms/115V 115VAC 2 ~ 431VDC C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9: R FACTOR (PF) CHARAC %/115VC,230VAC; @Io \u00bbL HARMONIC DISTOR	ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)	±0.5%	±0.5%					
UP TIME (Typ.) GE RANGE Note.5 JENCY RANGE R FACTOR HARMONIC DISTORTION JENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	10ms/ 230VAC 10ms/ 100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥ 0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 92% 2.2A / 115VAC 1.5A	115VAC 2 ~ 431VDC C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAC %/115VC,230VAC; @lo LL HARMONIC DISTOR 92%	ection) 2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)							
GE RANGE Note.5 JENCY RANGE R FACTOR HARMONIC DISTORTION IENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	100 ~ 305VAC 14 (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA" 92% 2.2A / 115VAC 1.5A	2 ~ 431VDC C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAG %/115VC,230VAC; @lo LL HARMONIC DISTOR	2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)							
GE RANGE Note.5 JENCY RANGE R FACTOR HARMONIC DISTORTION IENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	(Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 92% 2.2A / 115VAC 1.5A	C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAC %/115VC,230VAC; @lo kL HARMONIC DISTOR 92%	2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)							
JENCY RANGE R FACTOR HARMONIC DISTORTION JENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	(Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF≥ (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 92% 2.2A / 115VAC 1.5A	C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAC %/115VC,230VAC; @lo kL HARMONIC DISTOR 92%	2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)							
R FACTOR HARMONIC DISTORTION IENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	47 ~ 63Hz PF ≥ 0.97/115VAC, PF ≥ (Please refer to "POWE THD< 20% (@load≥50 (Please refer to "TOTA") 92% 2.2A / 115VAC 1.5A	≥ 0.95/230VAC, PF ≥ 0.9; R FACTOR (PF) CHARAG %/115VC,230VAC; @lo LL HARMONIC DISTOR 92%	2/277VAC@full load CTERISTIC" section) ad≧75%/277VAC)							
R FACTOR HARMONIC DISTORTION IENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	PF≥0.97/115VAC, PF₂ (Please refer to "POWE THD<20%(@load≥50 (Please refer to "TOTA 92% 2.2A / 115VAC 1.5A	R FACTOR (PF) CHARAG %/115VC,230VAC; @lo LL HARMONIC DISTOR 92%	CTERISTIC" section) ad≧75%/277VAC)							
HARMONIC DISTORTION ENCY (Typ.) RRENT H CURRENT(Typ.) No. of PSUs on 16A	(Please refer to "POWE THD< 20%(@load≧50 (Please refer to "TOTA 92% 2.2A / 115VAC 1.5A	R FACTOR (PF) CHARAG %/115VC,230VAC; @lo LL HARMONIC DISTOR 92%	CTERISTIC" section) ad≧75%/277VAC)							
RRENT H CURRENT(Typ.) No. of PSUs on 16A	(Please refer to "TOTA" 92% 2.2A / 115VAC 1.5A	AL HARMONIC DISTOR 92%								
RRENT H CURRENT(Typ.) No. of PSUs on 16A	(Please refer to "TOTA" 92% 2.2A / 115VAC 1.5A	AL HARMONIC DISTOR 92%			THD< 20%(@load≥50%/115VC,230VAC; @load≥75%/277VAC)					
RRENT H CURRENT(Typ.) No. of PSUs on 16A	92% 2.2A / 115VAC 1.5A	92%								
RRENT H CURRENT(Typ.) No. of PSUs on 16A	2.2A / 115VAC 1.5A		92.5%	93%	93%					
H CURRENT(Typ.) No. of PSUs on 16A				93%	93%					
No. of PSUs on 16A	I COLD START MARKING									
	COLD START 60A(twidth=510µs measured at 50% Ipeak) at 230VAC; Per NEMA 410									
III DREAKEK	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC									
AGE CURRENT	<0.75mA/277VAC									
NO LOAD / STANDBY POWER CONSUMPTION Note.7	No load power consumption <0.5W for Blank / A / Dx / D-Type									
	95 ~ 108%									
CURRENT	Constant current limiting, recovers automatically after fault condition is removed									
T OLD OLLIT		•	•	noved						
T CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed									
VOLTAGE	27 ~ 34V	42~49V	47 ~ 54V	54 ~ 63V	60 ~ 67V					
ING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)									
CASE TEMP.	Tcase=+90°C									
ING HUMIDITY	20 ~ 95% RH non-cond	lensing								
AGE TEMP., HUMIDITY	-40 ~ +90°C, 10 ~ 95% RH									
COEFFICIENT	±0.03%/°C (0~60°C)									
TION	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									
Y STANDARDS	BS EN/EN62384; EAC TP TC 004;BIS IS15885(for 24/24A/24B/24DA/36/36A/36B/42/42A/42B/48A/48B/54/54A/54ADA/54B only GB19510.14,GB19510.1; IP65 or IP67;KC61347-1,KC61347-2-13 approved									
STANDARDS										
	1/P-0/P, 1/P-FG, 0/P-FG:100M Onms / 500VDC / 25 C / 70% RH									
		•	•	duotry lovel (curse imperior	ity Line Earth SVV					
	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level (surge immunity Line-Earth 6KV, Line-Line 4KV); EAC TP TC 02; KC KN15,KN61547									
MMUNITY	2391.4K hrs min. Telcordia SR-332 (Bellcore); 190.7K hrs min. MIL-HDBK-217F (25°C)									
	2391.4K hrs min. Te	244*71*37.5mm (L*W*H)								
		H)		1.22Kg; 12pcs / 15.2Kg / 0.72CUFT						
TINCA	EMPERATURE NG TEMP. ASE TEMP. NG HUMIDITY GE TEMP., HUMIDITY COEFFICIENT TION T STANDARDS TANDARDS TANDARDS TANDARDS TAND VOLTAGE ION RESISTANCE	Shut down output volta EMPERATURE	Shut down output voltage, re-power on to recompliance to BS EN/ENG2384; EAC TP TC 004;BIS IS1888(f GB19510.14, GB19510.1; IP65 or IP67;KC61347	Shut down output voltage, re-power on to recover	Shut down output voltage, re-power on to recover Shut down output voltage, re-power on to recover NG TEMP. Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) ASE TEMP. Tcase=+90°C NG HUMIDITY 20 ~ 95% RH non-condensing GE TEMP., HUMIDITY -40 ~ +90°C, 10 ~ 95% RH COEFFICIENT ±0.03%/°C (0 ~ 60°C) ION 10 ~ 500Hz, 56 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/N BS EN/EN62384; EAC TP TC 004;BIS IS15885(for 24/24A/24B/24DA/36/36A/36B/42/42A/42B/48A/4GB19510.14; IB65 or IP67;KC61347-1,KC61347-2-13 approved TANDARDS Compliance to IEC62386-101,102,(207 by request) for DA Type only TAND VOLTAGE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Compliance to BS EN/EN65015,BS EN/EN61000-3-2 Class C (@load ≥ 50%); BS EN/EN61000-3-3 GB17625.1,GB17743;EAC TP TC 020; KC KN15,KN61547 MUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level (surge immuni Line-Line 4KV);EAC TP TC 02; KC KN15,KN61547 2391.4K hrs min. Telcordia SR-332 (Bellcore); 190.7K hrs min. MIL-HDBK-217F (25°C) SION 244*71*37.5mm (L*W*H)					

- 1. All parameters NO1 specially mentioned are measured at 230 VAC input, rated current and 25 °C of ambient temperature.

 2. Please refer to "DRIVING METHODS OF LED MODULE".

 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47 uf parallel capacitor.

 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 230 VAC 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 equipment manufacturers must re-qualify EMC Directive on the complete installation again.
 This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (tc) 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).

 12. 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

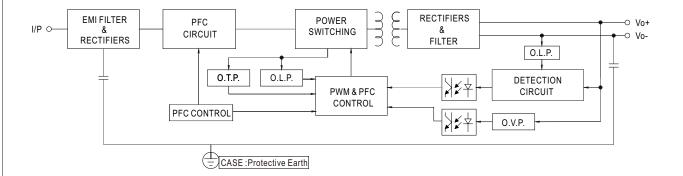
 13. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the major.
- connected to the mains.
- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



ELG-240 series

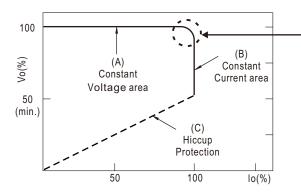
■ Block Diagram

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.

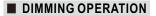


ELG-240 series

* DIM+ for B/AB-Type DA+ for DA-Type

PROG+ for D2-Type
*DIM- for B/AB-Type

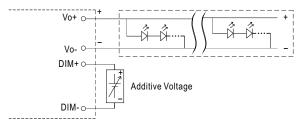
DA- for DA-Type PROG- for D2-Type





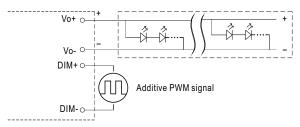
※ 3 in 1 dimming function (for B/AB-Type)

- 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: 100µA (typ.)
- O Applying additive 0 ~ 10VDC



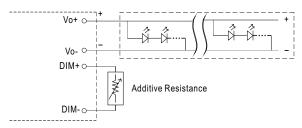
"DO NOT connect "DIM- to Vo-"

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

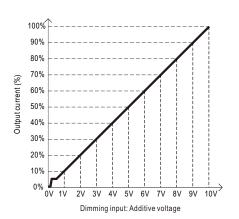


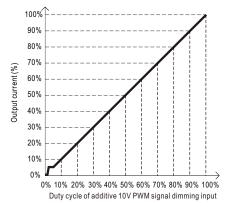
"DO NOT connect "DIM- to Vo-"

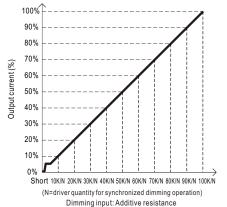
Applying additive resistance:



"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 $0k\Omega$ or 0Vdc, or 10V PWM signal with 0% duty cycle.



ELG-240 series

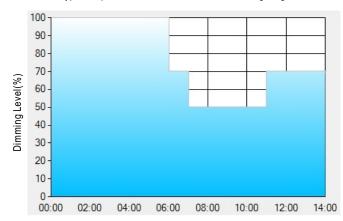
DALI Interface (primary side; for DA-Type)

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

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



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

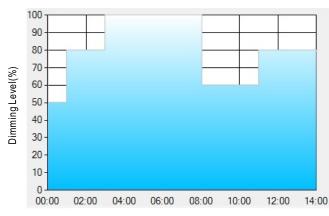
	T1	T2	Т3	T4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

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%

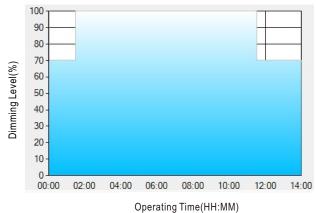
Operating Time(HH:MM)

- **: 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

Ex: O D03-Type: the profile recommended for tunnel lighting



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

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

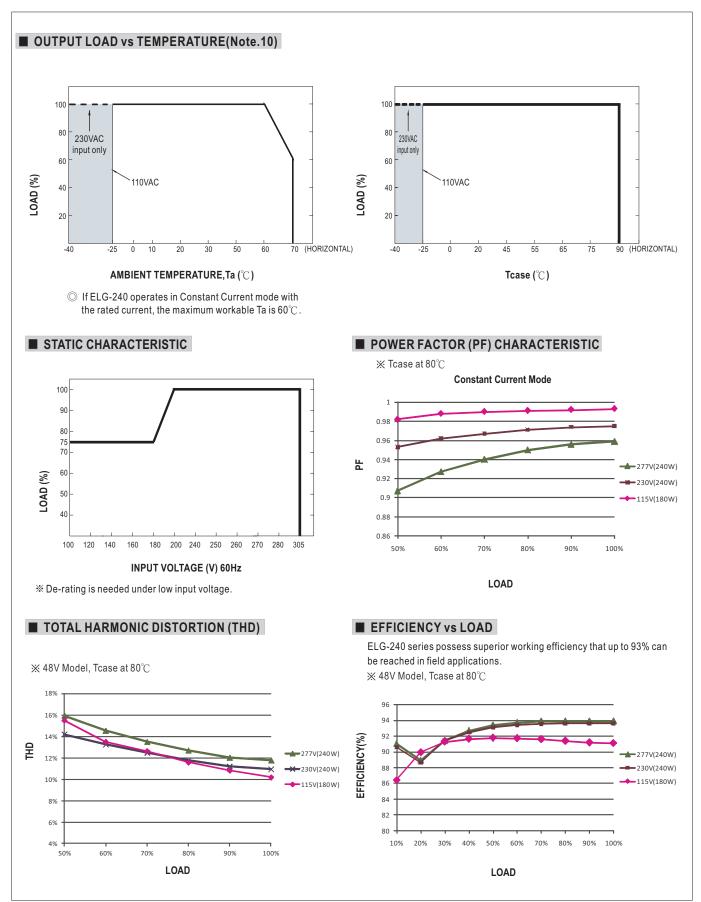
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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.

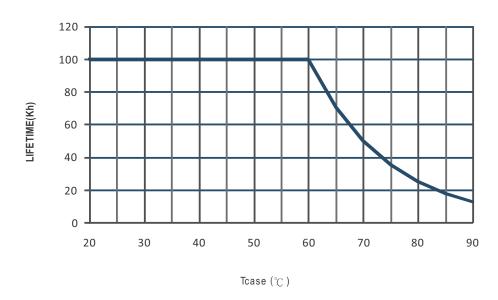
The constant current level remains till 6:30am, which is 14:00 after the power supply turns on.



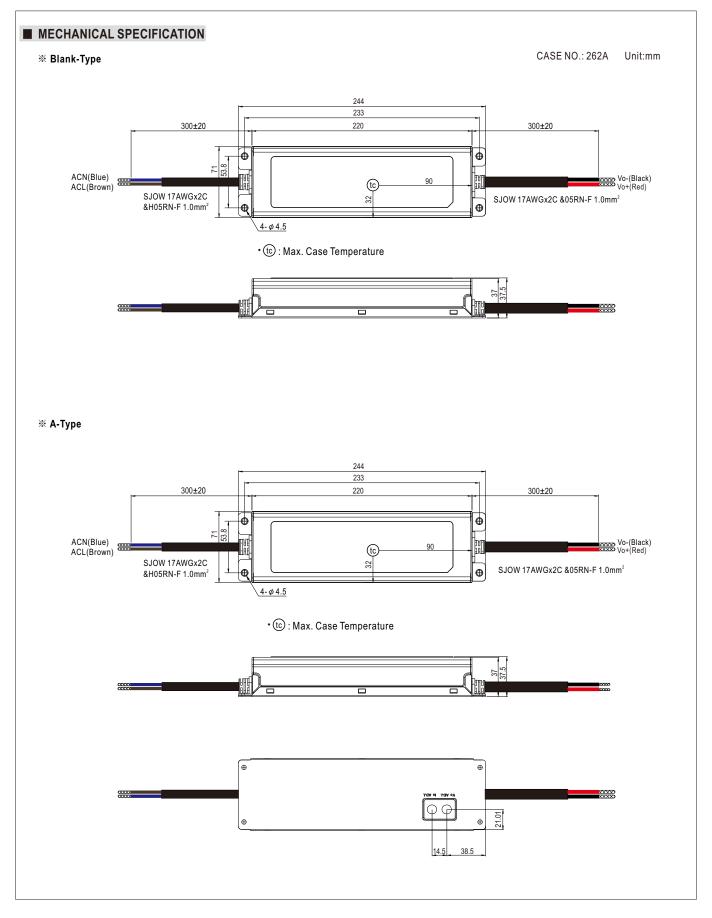




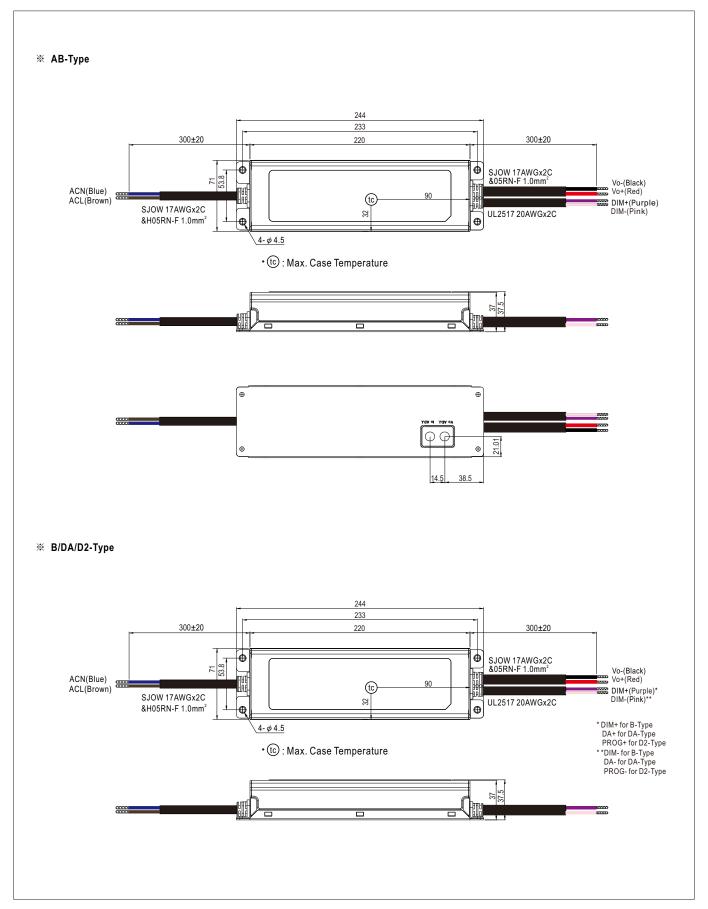








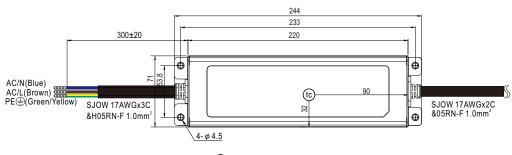






ELG-240 series

※ 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