

### 70~100W Constant Voltage + Constant Current LED Driver **E L G - 100**

























#### Features

- · Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- · Built-in active PFC function
- · Class 2 power unit
- 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.

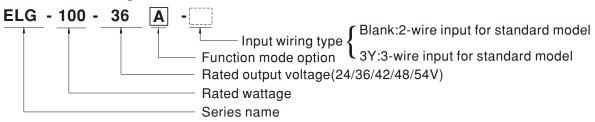
#### GTIN CODE

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

### Description

ELG-100 series is a 100W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-100 operates from 100~360VAC and offers models with different rated voltage ranging between 24V and 54V. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40 $^{\circ}$ 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-100 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



Adjustable for A/AB- 2 × 4A  ANCE Note.4 ±3.0%  1 ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115V  p.) 15ms/115VAC 1  Note.5 (Please refer to "ST/OBE refer to "PO  DISTORTION THD CITYP.) 20%(@load≥ (Please refer to "TO 88%  1.1A/115VAC 0  CITYP.) COLD START 60A(to 16A)  3 units (circuit break)  NT < 0.75mA/277VAC	0ms/230VAC  142 ~ 431VDC contin  ATIC CHARACTERISTIC" s  PF≥ 0.95/230VAC, PF≥ 0.95/230VAC	37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A  ±2.5%  ±0.5%  ±0.5%  00VAC  nue,320VAC for 24Hrs; 3  section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27' ITION(THD)" section)  90%  /AC  50% lpeak) at 230VAC; Per	7VAC) 90% NEMA 410	54V 27 ~ 54V 1.78A  96.12W  70W 350mVp-p  48.6 ~ 59.4V  0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
4.0A   200VAC ~ 305VAC   96W   100VAC ~ 180VAC   70W   200mVp-p   NGE   Adjustable for A/AB-21.6 ~ 26.4V   Adjustable for A/AB-2 ~ 4A   ±3.0%   ±0.5%   Note.6   1000ms, 80ms/115V   Pp.)   15ms/115VAC   1   100 ~ 305VAC   (Please refer to "ST/AGE   47 ~ 63Hz   PF ≥ 0.97/115VAC, (Please refer to "PO   200   20	2.66A	2.28A  95.76W  70W 250mVp-p  otentiometer)  37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A  ±2.5%  ±0.5%  ±0.5%  ±0.5%  ovac  dection)  92/277VAC@full load ACTERISTIC" section)  92/277VAC@full load ACTERISTIC" section)  99%  //AC  50% lpeak) at 230VAC; Per	2A  96W  70W 300mVp-p  43.2 ~ 52.8V  1 ~ 2A ±2.0% ±0.5% ±0.5%  260VAC for 1Hr  7VAC)  90%  NEMA 410	1.78A  96.12W  70W  350mVp-p  48.6 ~ 59.4V  0.89 ~ 1.78A  ±2.0%  ±0.5%  ±0.5%			
4.0A   200VAC ~ 305VAC   96W   100VAC ~ 180VAC   70W   200mVp-p   NGE   Adjustable for A/AB-21.6 ~ 26.4V   Adjustable for A/AB-2 ~ 4A   ±3.0%   ±0.5%   Note.6   1000ms, 80ms/115V   Pp.)   15ms/115VAC   1   100 ~ 305VAC   (Please refer to "ST/AGE   47 ~ 63Hz   PF ≥ 0.97/115VAC, (Please refer to "PO   200   20	95.76W  70W 250mVp-p  Type only (via the built-in policy of the bu	95.76W  70W 250mVp-p  otentiometer)  37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A ±2.5% ±0.5% ±0.5%  i0VAC  nue,320VAC for 24Hrs; 3  ection)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27* ITION(THD)" section)  90%  /AC 50% lpeak) at 230VAC; Per	96W  70W 300mVp-p  43.2 ~ 52.8V  1 ~ 2A ±2.0% ±0.5% ±0.5%  70W 200	96.12W  70W 350mVp-p  48.6 ~ 59.4V  0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
96W 100VAC ~ 180VAC 70W  nax.) Note.3 200mVp-p  NGE Adjustable for A/AB- 21.6 ~ 26.4V  ANGE ±3.0%  1 ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115V p.) 15ms/115VAC 1  Note.5 (Please refer to "ST/OBE To "PO  DISTORTION (Please refer to "TO 88% 1.1A/115VAC 0  (T(Typ.) COLD START 60A(t)	70W 250mVp-p  Type only (via the built-in position of the state of type B) / 6 units (circular to the state	95.76W  70W 250mVp-p  otentiometer)  37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A ±2.5% ±0.5% ±0.5%  i0VAC  nue,320VAC for 24Hrs; 3  ection)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27* ITION(THD)" section)  90%  /AC 50% lpeak) at 230VAC; Per	70W 300mVp-p 43.2 ~ 52.8V 1 ~ 2A ±2.0% ±0.5% ±0.5% 360VAC for 1Hr	96.12W  70W 350mVp-p  48.6 ~ 59.4V  0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
96W 100VAC ~ 180VAC 70W  nax.) Note.3 200mVp-p  NGE Adjustable for A/AB- 21.6 ~ 26.4V  ANGE ±3.0%  1 ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115V p.) 15ms/115VAC 1  Note.5 (Please refer to "ST/OBE To "PO  DISTORTION (Please refer to "TO 88% 1.1A/115VAC 0  (T(Typ.) COLD START 60A(t)	70W 250mVp-p  Type only (via the built-in position of the state of type B) / 6 units (circular to the state	70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% i0VAC  nue,320VAC for 24Hrs; 3 section)  92/277VAC@full load ACTERISTIC" section) /230VAC; @load≧75%/27 iTION(THD)" section) 90% /AC 50% lpeak) at 230VAC; Per	70W 300mVp-p 43.2 ~ 52.8V 1 ~ 2A ±2.0% ±0.5% ±0.5% 360VAC for 1Hr	70W 350mVp-p 48.6 ~ 59.4V 0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
100VAC ~ 180VAC   70W   70W   70W   200mVp-p   Adjustable for A/AB-21.6 ~ 26.4 V   Adjustable for A/AB-2 ~ 4A   ±3.0%   ±0.5%   Note.6   1000ms, 80ms/115 V   P.)   15ms/115VAC   100 ~ 305VAC   (Please refer to "ST/ABB   PF ≥ 0.97/115VAC, (Please refer to "PO   Please refer to "TO   88%   1.1A/115VAC   00   16A   R   3   units (circuit break   NT   <0.75mA/277VAC   100   10	70W 250mVp-p  Type only (via the built-in position of the state of type B) / 6 units (circular to the state	70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% i0VAC  nue,320VAC for 24Hrs; 3 section)  92/277VAC@full load ACTERISTIC" section) /230VAC; @load≧75%/27 iTION(THD)" section) 90% /AC 50% lpeak) at 230VAC; Per	70W 300mVp-p 43.2 ~ 52.8V 1 ~ 2A ±2.0% ±0.5% ±0.5% 360VAC for 1Hr	70W 350mVp-p 48.6 ~ 59.4V 0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
70W  max.) Note.3 200mVp-p  Adjustable for A/AB- 21.6 ~ 26.4V  Adjustable for A/AB- 2 ~ 4A  ANCE Note.4 ±3.0%  I ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115V p.) 15ms/115VAC 1  Note.5 100 ~ 305VAC (Please refer to "ST/ABC)  GE 47 ~ 63Hz  PF ≥ 0.97/115VAC, (Please refer to "PO  DISTORTION THD< 20%(@load≥ (Please refer to "TO 88% 1.1A/115VAC 0  (T(Typ.) COLD START 60A(to 16A) R 3 units (circuit break) NT < 0.75mA/277VAC	250mVp-p    32.4 ~ 39.6V   Type only (via the built-in position of the pos	250mVp-p  otentiometer)  37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A  ±2.5%  ±0.5%  ±0.5%  inue,320VAC for 24Hrs; 3 section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27  itTION(THD)" section)  90%  /AC  50% lpeak) at 230VAC; Per	300mVp-p  43.2 ~ 52.8V  1 ~ 2A	350mVp-p  48.6 ~ 59.4V  0.89 ~ 1.78A  ±2.0%  ±0.5%  ±0.5%			
Note.3   200mVp-p	250mVp-p    32.4 ~ 39.6V   Type only (via the built-in position of the pos	250mVp-p  otentiometer)  37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A  ±2.5%  ±0.5%  ±0.5%  inue,320VAC for 24Hrs; 3 section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27  itTION(THD)" section)  90%  /AC  50% lpeak) at 230VAC; Per	300mVp-p  43.2 ~ 52.8V  1 ~ 2A	350mVp-p  48.6 ~ 59.4V  0.89 ~ 1.78A  ±2.0%  ±0.5%  ±0.5%			
Adjustable for A/AB- 21.6 ~ 26.4 V  Adjustable for A/AB- 2 ~ 4A  LNCE Note.4 ±3.0%  ■ ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115 V  P.) 15ms/115 VAC (Please refer to "ST/QPLEASE refer to "ST/QPLEASE refer to "PO  DISTORTION  THD< 20%(@load≧ (Please refer to "TO 88%  1.1A/115 VAC  (Typ.) COLD START 60A(to 10 16 A R)  VO.75mA/277 VAC	Type only (via the built-in position of type only (via the built-in position only only only only only only only on	otentiometer)  37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A  ±2.5%  ±0.5%  ±0.5%  bovAC  ovection)  92/277VAC@full load ACTERISTIC" section)  92/230VAC; @load≧75%/27' CTION(THD)" section)  90%  /AC  50% lpeak) at 230VAC; Per	43.2 ~ 52.8V   1 ~ 2A   ±2.0%   ±0.5%   ±0.5%   360VAC for 1Hr	48.6 ~ 59.4V   0.89 ~ 1.78A   ±2.0%   ±0.5%   ±0.5%			
Adjustable for A/AB- 2 × 4A  ANCE Note.4 ±3.0%  1 ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115V  p.) 15ms/115VAC 1  Note.5 (Please refer to "ST/OBE refer to "PO  DISTORTION THD CITYP.) 20%(@load≥ (Please refer to "TO 88%  1.1A/115VAC 0  CITYP.) COLD START 60A(to 16A)  3 units (circuit break)  NT < 0.75mA/277VAC	32.4 ~ 39.6V  Type only (via the built-in point of the state of type B) / 6 units (circular in the state of	37.8 ~ 46.2V  otentiometer)  1.14 ~ 2.28A  ±2.5%  ±0.5%  ±0.5%  00VAC  nue,320VAC for 24Hrs; 3  section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27' ITION(THD)" section)  90%  /AC  50% lpeak) at 230VAC; Per	1 ~ 2A ±2.0% ±0.5% ±0.5% 360VAC for 1Hr 7VAC) 90% NEMA 410	0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
Adjustable for A/AB- 2 ~ 4A  LNCE Note.4 ±3.0%  1 ±0.5%  N ±1.0%  Note.6 1000ms, 80ms/115V  p.) 15ms/115VAC 1  100 ~ 305VAC (Please refer to "ST/AGE  47 ~ 63Hz  PF ≥ 0.97/115VAC, (Please refer to "PO  DISTORTION  THD< 20%(@load≥ (Please refer to "TO 88%  1.1A/115VAC 0  C(Typ.) COLD START 60A(to 16A)  3 units (circuit break)  NT < 0.75mA/277VAC	Type only (via the built-in port of type only (via the built-in port of type only (via the built-in port only only only only only only only only	1.14 ~ 2.28A   ±2.5%   ±0.5%   ±0.5%   ±0.5%   ±0.5%   ovac	1 ~ 2A ±2.0% ±0.5% ±0.5% 360VAC for 1Hr 7VAC) 90% NEMA 410	0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%			
2 ~ 4A   ±3.0%   1   ±0.5%   Note.6   1000ms, 80ms/115\  p.)   15ms/115\  VAC   100 ~ 305\  VAC   (Please refer to "ST/OBE erefer to "PO   100 ~ 305\  VAC   (Please refer to "TO   100 ~ 305\  VAC	1.33 ~ 2.66A   ±2.5%   ±0.5%   ±1.0%   230VAC   142 ~ 431VDC continuation   240 continuation   250 conti	1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% :0VAC :0VAC :0VAC for 24Hrs; 3 :ection)   92/277VAC@full load ACTERISTIC" section) /230VAC; @load≧75%/27' :TION(THD)" section)   90% /AC :00% lpeak) at 230VAC; Per	±2.0% ±0.5% ±0.5% ±0.5% 360VAC for 1Hr 7VAC) 90% NEMA 410	±2.0% ±0.5% ±0.5%			
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±0.5%     N ±1.0%     Note.6   1000ms, 80ms/115V     p.)   15ms/115VAC   1     Note.5   100 ~ 305VAC     (Please refer to "ST/OBE     47 ~ 63Hz     PF ≥ 0.97/115VAC     (Please refer to "PO     DISTORTION   THD< 20% (@load≥ (Please refer to "TO     88%     1.1A / 115VAC   0     (Typ.)   COLD START 60A(to     R   3 units (circuit break     NT   <0.75mA / 277VAC     100   100     200   200   200     20	±0.5% ±1.0%  /AC 500ms, 100ms/23  0ms/230VAC  142 ~ 431VDC continent of the continent of	±0.5% ±0.5%  i0VAC  nue,320VAC for 24Hrs; 3 ection)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27 iTION(THD)" section)  90%  /AC 50% lpeak) at 230VAC; Per	±0.5% ±0.5% 360VAC for 1Hr 7VAC) 90%	±0.5% ±0.5%			
N ±1.0%  Note.6 1000ms, 80ms/115V p.) 15ms/115VAC 1 100 ~ 305VAC (Please refer to "ST/ GE 47 ~ 63Hz  PF ≥ 0.97/115VAC, (Please refer to "PO  DISTORTION THD< 20%(@load≥ (Please refer to "TC) 88% 1.1A / 115VAC (Typ.) COLD START 60A(t) 0 16A R 3 units (circuit break) NT <0.75mA / 277VAC	±1.0%  AC 500ms, 100ms/23  0ms/230VAC  142 ~ 431VDC continum to the continum	±0.5%  nue,320VAC for 24Hrs; 3  nue,320VAC for 24Hrs; 3  section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27  TION(THD)" section)  90%  /AC  50% lpeak) at 230VAC; Per	±0.5%  860VAC for 1Hr  7VAC)  90%  NEMA 410	±0.5%			
Note.6 1000ms, 80ms/115V p.) 15ms/115VAC 1 100 ~ 305VAC (Please refer to "ST/ GE 47 ~ 63Hz PF ≥ 0.97/115VAC, (Please refer to "PO DISTORTION THD< 20%(@load≧ (Please refer to "TC 88% 1.1A / 115VAC (Typ.) COLD START 60A(t) on 16A R 3 units (circuit break) NT < 0.75mA / 277VAC	MAC 500ms, 100ms/23 0ms/230VAC 142 ~ 431VDC contine the contine that the	nue,320VAC for 24Hrs; 3 section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27' TION(THD)" section)  90%  /AC 50% lpeak) at 230VAC; Per	7VAC) 90% NEMA 410				
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p.) 15ms/115VAC 1  Note.5 100 ~ 305VAC (Please refer to "ST, QF ≥ 0.97/115VAC, (Please refer to "PO  DISTORTION THD< 20%(@load≧ (Please refer to "TC)  88% 1.1A / 115VAC (Typ.) COLD START 60A(t) On 16A R 3 units (circuit break) R < 0.75mA / 277VAC	0ms/230VAC  142 ~ 431VDC contin  ATIC CHARACTERISTIC" s  PF≥ 0.95/230VAC, PF≥ 0.95/230VAC	nue,320VAC for 24Hrs; 3 section)  92/277VAC@full load ACTERISTIC" section)  /230VAC; @load≧75%/27' TION(THD)" section)  90%  /AC 50% lpeak) at 230VAC; Per	7VAC) 90% NEMA 410	91%			
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GE 47 ~ 63Hz  PF ≥ 0.97/115VAC, (Please refer to "PO  DISTORTION THD< 20%(@load≧ (Please refer to "TO  88%  1.1A / 115VAC  COLD START 60A(t)  on 16A  R 3 units (circuit break)  NT < 0.75mA / 277VAC	PF≥ 0.95/230VAC, PF≥ 0. WER FACTOR (PF) CHARA 250%/115VC; @load≥60%, DTAL HARMONIC DISTOR 89% 1.6A / 230VAC 0.5A/277V width=850μs measured at 5 ser of type B) / 6 units (circu	92/277VAC@full load ACTERISTIC" section) /230VAC; @load≧75%/27' ITION(THD)" section)	90% NEMA 410	91%			
PF ≥ 0.97/115VAC, (Please refer to "PO (Please refer to "PO (Please refer to "TO 88% 1.1A / 115VAC 0 COLD START 60A(to 16A R 3 units (circuit break 177VAC)	WER FACTOR (PF) CHAR/ 250%/115VC; @load≧60%. DTAL HARMONIC DISTOR 89% 1.6A / 230VAC 0.5A/277V width=850µs measured at 5 ser of type B) / 6 units (circu	ACTERISTIC" section)  /230VAC; @load≧75%/27  'TION(THD)" section)  90%  /AC  50% Ipeak) at 230VAC; Per	90% NEMA 410	91%			
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(Please refer to "TC 88% 1.1A / 115VAC 0 COLD START 60A(t on 16A R 4.075mA / 277VAC	DTAL HARMONIC DISTOR    89%   .6A / 230VAC	(TION(THD)" section) 90%  /AC 50% Ipeak) at 230VAC; Per	90% NEMA 410	91%			
88% 1.1A / 115VAC 0 (Typ.) COLD START 60A(t on 16A R 3 units (circuit break NT <0.75mA / 277VAC	89% 0.6A / 230VAC 0.5A/277V width=850µs measured at 5 der of type B) / 6 units (circu	90% /AC 50% Ipeak) at 230VAC; Per	NEMA 410	91%			
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(Typ.) COLD START 60A(t on 16A R 3 units (circuit break NT <0.75mA / 277VAC	width=850µs measured at 5 er of type B) / 6 units (circu	50% Ipeak) at 230VAC; Per					
3 units (circuit break	er of type B) / 6 units (circu	, ,					
3 units (circuit break NT <0.75mA / 277VAC	. , .	uit breaker of type C) at 230	VAC				
NT <0.75mA/277VAC	. , .	iii breaker of type 0) at 250	VAC				
BY No load power cons		<0.75mA / 277VAC					
	No load power consumption <0.5W for Blank / A / Dx / D2-Type						
	Standby power consumption < 0.5W for B / AB / DA-Type						
7.	95~108%						
	Constant current limiting, recovers automatically after fault condition is removed						
	Hiccup mode, recovers automatically after fault condition is removed						
28 ~ 34V	41 ~ 48V	47 ~ 54V	54 ~ 62V	62 ~ 72V			
			34 ~ 02 V	02~12V			
· ·	Shut down output voltage, re-power on to recover						
	Shut down output voltage, re-power on to recover						
	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	Tcase=+90°C						
TY 20 ~ 95% RH non-co	20 ~ 95% RH non-condensing						
<b>HUMIDITY</b> -40 ~ +80°€, 10 ~ 95	-40 ~ +80°C, 10 ~ 95% RH						
<b>NT</b> ±0.03%/°C (0 ~ 60°C	±0.03%/°C (0~60°C)						
10 ~ 500Hz, 5G 12m	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
UL8750(type"HL"), C	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,						
	BS EN/EN62384; EAC TP TC 004;BIS IS15885(for 24/24A/24B/24DA/36/36A/36B/42/42A/42ADA/42B/48/48B/54/54ADA/54B						
***	77						
Compliance to IEC6	Compliance to IEC62386-101,102,(207 by request) for DA Type only						
AGE I/P-O/P:3.75KVAC	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC						
TANCE I/P-O/P, I/P-FG, O/F	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 ≥ 60%); BS EN/EN61000-3-3;GB17743, GB17625.1;						
, , , , , , , , , , , , , , , , , , ,	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 020; KC	EAC TP TC 020; KC KN15, KN61547						
	,	282.9Khrs min. MIL-	HDBK-217F (25°C)				
400+00+00	199*63*35.5mm (L*W*H)						
199*63*35.5mm (L*1	0.85kg; 16pcs/14.2kg/0.72CUFT						
,	g, c 2001 1						
5	UL8750(type"HL"), C BS EN/EN62384; EA only); GB19510.1, C Compliance to IEC6 TAGE I/P-O/P:3.75KVAC TANCE I/P-O/P, I/P-FG, O/F Compliance to BS E EAC TP TC 020; KC Compliance to BS EI EAC TP TC 020; KC 2920.8K hrs min. Tel 199*63*35.5mm (L**)	UL8750(type"HL"), CSA C22.2 No. 250.13-12; I BS EN/EN62384; EAC TP TC 004;BIS IS15885 only); GB19510.1, GB19510.14; IP65 or IP67;K Compliance to IEC62386-101,102,(207 by red TAGE I/P-O/P; 3.75KVAC I/P-FG; 2.0KVAC O/P- TANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VD Compliance to BS EN/EN55015,BS EN/EN6100 EAC TP TC 020; KC KN15,KN61547 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11 EAC TP TC 020; KC KN15, KN61547 2920.8K hrs min. Telcordia SR-332 (Bellcore) 199*63*35.5mm (L*W*H)	UL8750(type"HL"), CSA C22.2 No. 250.13-12; IEC/BS EN/EN/AS/NZS 613 BS EN/EN62384; EAC TP TC 004;BIS IS15885(for 24/24A/24B/24DA/36/36/36); GB19510.1, GB19510.14; IP65 or IP67;KC61347-1, KC61347-2-13 Compliance to IEC62386-101,102,(207 by request) for DA Type only IAGE I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC 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 ≥6/EAC TP TC 020; KC KN15,KN61547 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light ind EAC TP TC 020; KC KN15, KN61547 2920.8K hrs min. Telcordia SR-332 (Bellcore) 282.9Khrs min. MIL-199*63*35.5mm (L*W*H)	UL8750(type"HL"), CSA C22.2 No. 250.13-12; IEC/BS EN/EN/AS/NZS 61347-1, IEC/BS EN/EN/AS/AS/NZS 61347-1, IEC/BS EN/EN/AS/AS/NZS 61347-1, IEC/BS EN/EN/AS/AS/AS/NZS 61347-1, IEC/BS EN/EN/AS/AS/AS/AS/NZS 61347-1, IEC/BS EN/EN/AS/AS/AS/AS/AS/AS/AS/AS/AS/AS/AS/AS/AS/			

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

- 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12 twisted pair viril committee and 12 twisted pair viril committee and 12 twisted pair viril committee and 14. 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. 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.

  8. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or life.
- 8. This series meets the typical life expectancy of 550,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80 °C or less. 9. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com
- 10. 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).

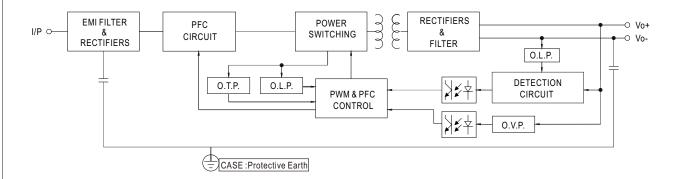
  11. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED\_EN.pdf
- 12. D2 models need to be programmed in the state of loading.

  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 mains.
- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



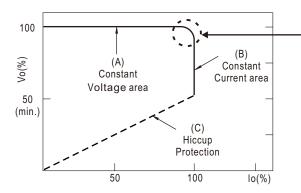
#### ■ Block Diagram

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.

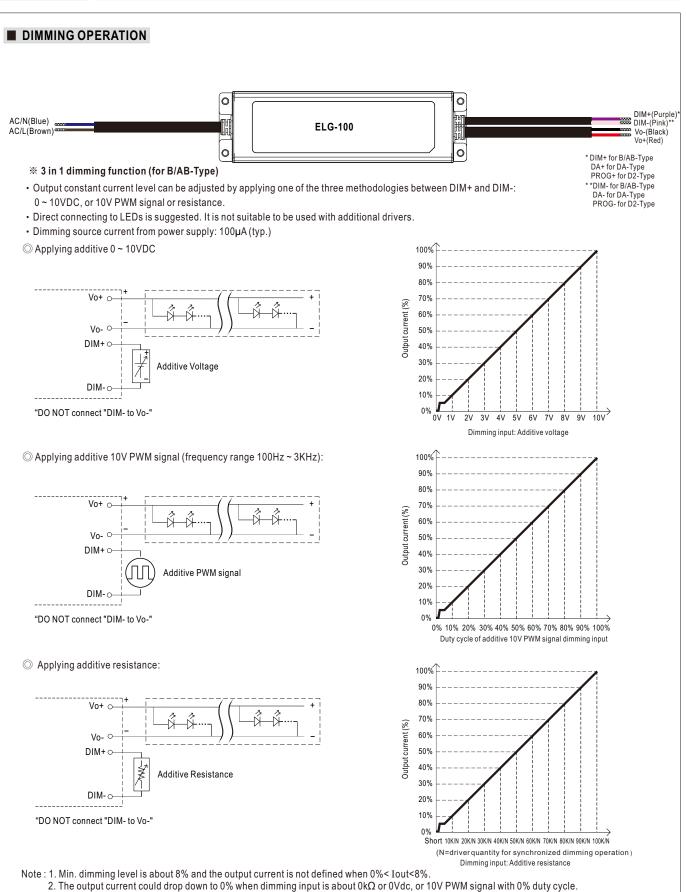


Typical output current normalized by rated current (%)

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.







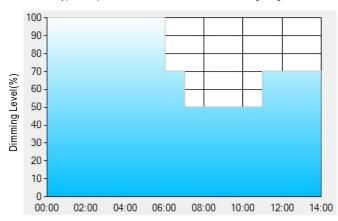
#### DALI Interface (primary side; for DA-Type)

- · 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:

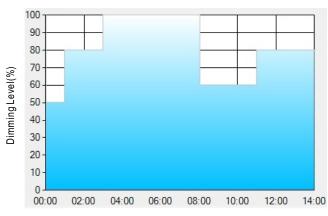
	T1	T2	Т3	T4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

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:

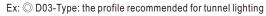
	T1	T2	Т3	T4	T5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

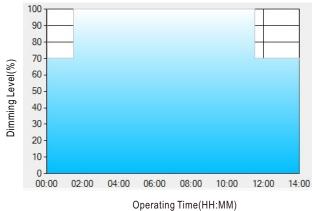
Operating Time(HH:MM)

- \*\*: 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.







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

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

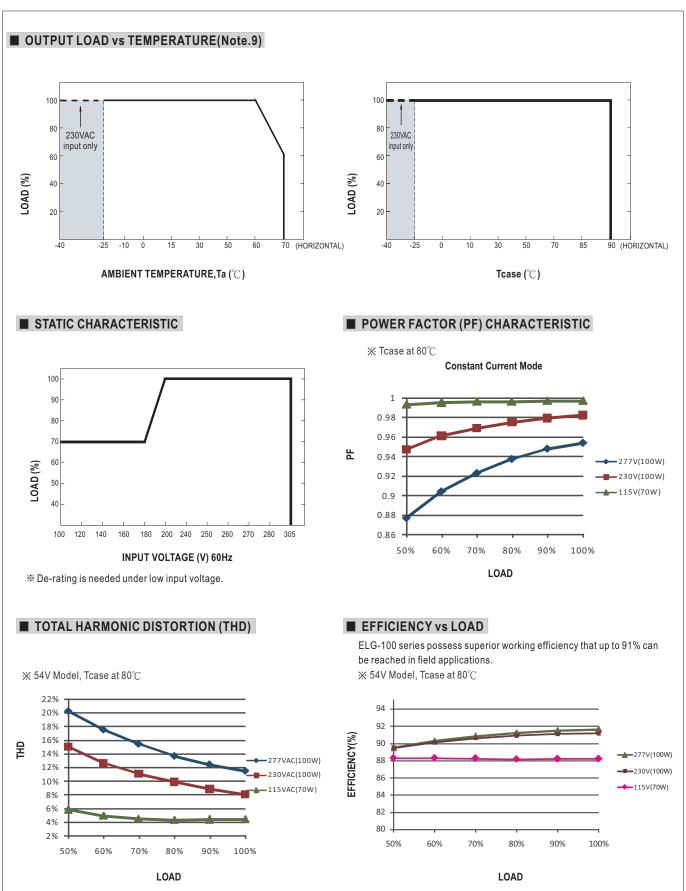
Example: If a tunnel lighting application adopts D03-Type, when turning on the power supply at 4:30pm, for instance:

- [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.

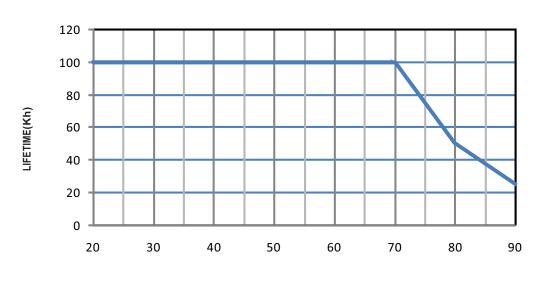
<sup>\*\*:</sup> TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.





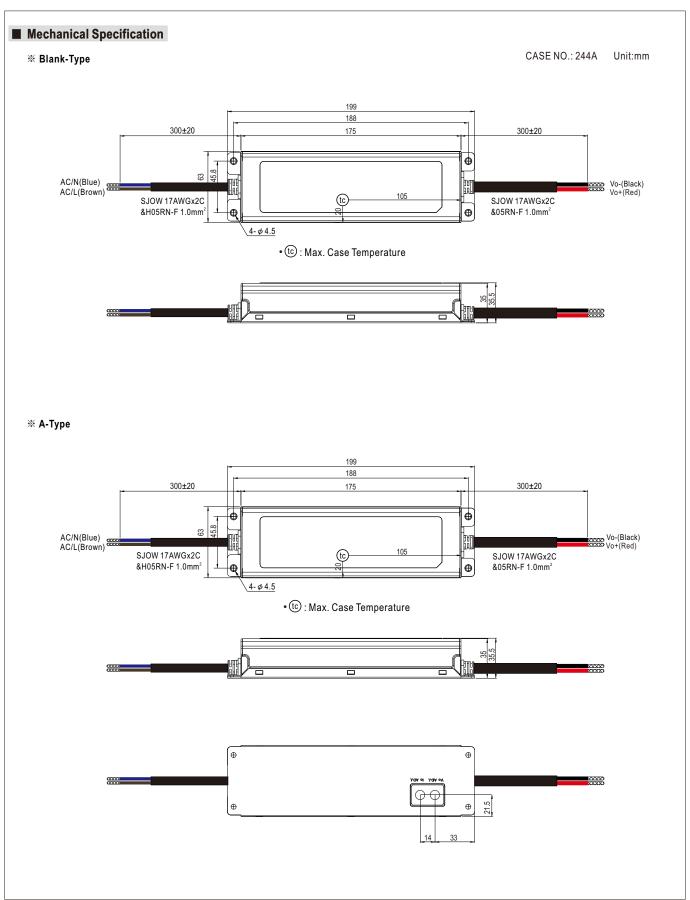




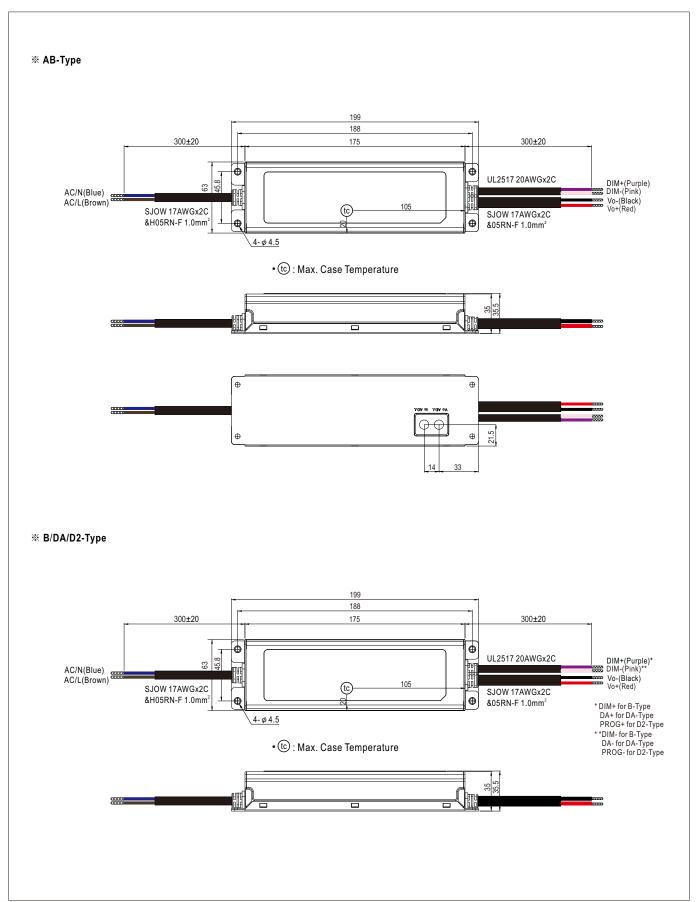


Tcase ( $^{\circ}$ C)



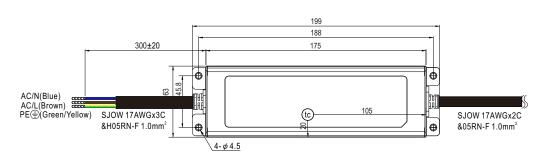








#### **※ 3Y Model (3-wire input)**



• (tc): Max. Case Temperature

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

#### ■ INSTALLATION MANUAL

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