





- · 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
- 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

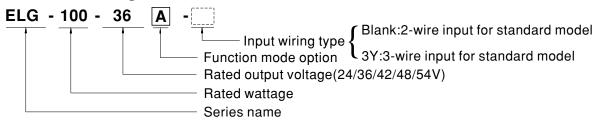
- LED street lighting
- LED architectural lighting
- · LED bay lighting
- · LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

FHI @ CB (€

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 $100\sim360\text{VAC}$ 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 °C \sim +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-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

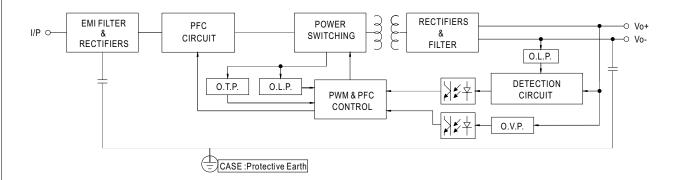


SPECIFICATION

OLTAGE TANT CURRENT REGION Note.2 ED CURRENT D POWER LE & NOISE (max.) Note.3 FAGE ADJ. RANGE RENT ADJ. RANGE FAGE TOLERANCE Note.4 REGULATION D REGULATION P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR CHARMONIC DISTORTION CHENCY (Typ.)	4.0A 200VAC ~ 305VAC 96W 100VAC ~ 180VAC 70W 200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 88%	is/230VAC 142 ~ 431VDC contin C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 R FACTOR (PF) CHARA	37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC 1.2/277VAC@full load CTERISTIC" section) 1/230VAC; @load≥75%/27		54V 27 ~ 54V 1.78A 96.12W 70W 350mVp-p 48.6 ~ 59.4V 0.89 ~ 1.78A ±2.0% ±0.5% ±0.5%		
D CURRENT D POWER LE & NOISE (max.) Note.3 FAGE ADJ. RANGE RENT ADJ. RANGE FAGE TOLERANCE Note.4 REGULATION D REGULATION IP, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	4.0A 200VAC ~ 305VAC 96W 100VAC ~ 180VAC 70W 200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 88%	2.66A 95.76W 70W 250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	2.28A 95.76W 70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% consection) 2/2/277VAC@full load CTERISTIC" section) //230VAC; @load≧75%/27	2A 96W 70W 300mVp-p 43.2 ~ 52.8V 1 ~ 2A ±2.0% ±0.5% ±0.5% 360VAC for 1Hr	1.78A 96.12W 70W 350mVp-p 48.6 ~ 59.4V 0.89 ~ 1.78A ±2.0% ±0.5%		
D CURRENT D POWER LE & NOISE (max.) Note.3 FAGE ADJ. RANGE RENT ADJ. RANGE FAGE TOLERANCE Note.4 REGULATION D REGULATION IP, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	4.0A 200VAC ~ 305VAC 96W 100VAC ~ 180VAC 70W 200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 88%	95.76W 70W 250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC continued to	95.76W 70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC 1.14 ~ 2.4Hrs; section) 1.2/277VAC@full load CTERISTIC" section) 1.230VAC; @load≥75%/27	96W 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%		
LE & NOISE (max.) Note.3 CAGE ADJ. RANGE RENT ADJ. RANGE CAGE TOLERANCE Note.4 REGULATION CO. RE	96W 100VAC ~ 180VAC 70W 1200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥0.97/115VAC, PF: (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	70W 250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	95.76W 70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC 1.14 ~ 2.4Hrs; section) 1.2/277VAC@full load CTERISTIC" section) 1.230VAC; @load≥75%/27	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%		
LE & NOISE (max.) Note.3 CAGE ADJ. RANGE RENT ADJ. RANGE CAGE TOLERANCE Note.4 REGULATION CO. RE	96W 100VAC ~ 180VAC 70W 1200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥0.97/115VAC, PF: (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	70W 250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC nue,320VAC for 24Hrs; section) 12/277VAC@full load CTERISTIC" section) /230VAC; @load≥75%/27	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%		
LE & NOISE (max.) Note.3 CAGE ADJ. RANGE RENT ADJ. RANGE CAGE TOLERANCE Note.4 REGULATION CO. RE	100VAC ~ 180VAC 70W 200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 88%	70W 250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	70W 250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC nue,320VAC for 24Hrs; section) 12/277VAC@full load CTERISTIC" section) /230VAC; @load≥75%/27	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%		
AGE ADJ. RANGE RENT ADJ. RANGE AGE TOLERANCE Note.4 REGULATION D REGULATION IP, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	70W 3 200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA" 88%	250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥0.95/230VAC, PF ≥0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC aue,320VAC for 24Hrs; section) 2/2/277VAC@full load CTERISTIC" section) //230VAC; @load≧75%/27	300mVp-p 43.2 ~ 52.8V 1 ~ 2A	350mVp-p 48.6 ~ 59.4V 0.89 ~ 1.78A ±2.0% ±0.5%		
AGE ADJ. RANGE RENT ADJ. RANGE AGE TOLERANCE Note.4 REGULATION D REGULATION IP, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	200mVp-p Adjustable for A/AB-Ty 21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	250mVp-p pe only (via the built-in p 32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥0.95/230VAC, PF ≥0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	250mVp-p otentiometer) 37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC aue,320VAC for 24Hrs; section) 2/2/277VAC@full load CTERISTIC" section) //230VAC; @load≧75%/27	300mVp-p 43.2 ~ 52.8V 1 ~ 2A	350mVp-p 48.6 ~ 59.4V 0.89 ~ 1.78A ±2.0% ±0.5%		
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RENT ADJ. RANGE AGE TOLERANCE Note.4 REGULATION D REGULATION P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	21.6 ~ 26.4V Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	32.4 ~ 39.6V pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	37.8 ~ 46.2V otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC 1.2/277VAC@full load CTERISTIC" section) 1/230VAC; @load≥75%/27	1~2A ±2.0% ±0.5% ±0.5%	0.89 ~ 1.78A ±2.0% ±0.5%		
RENT ADJ. RANGE AGE TOLERANCE Note.4 REGULATION D REGULATION P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	Adjustable for A/AB-Ty 2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥0.97/115VAC, PF: (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 88%	pe only (via the built-in p 1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin IC CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% LL HARMONIC DISTOR	otentiometer) 1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC nue,320VAC for 24Hrs; section) 2/2/277VAC@full load CTERISTIC" section) //230VAC; @load≥75%/27	1~2A ±2.0% ±0.5% ±0.5%	0.89 ~ 1.78A ±2.0% ±0.5%		
AGE TOLERANCE Note.4 REGULATION D REGULATION P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	2 ~ 4A ±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA")	1.33 ~ 2.66A ±2.5% ±0.5% ±1.0% 500ms, 100ms/23 18/230VAC 142 ~ 431VDC continued to CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARACTERISTIC" s %/115VC; @load≥60% AL HARMONIC DISTOR	1.14 ~ 2.28A ±2.5% ±0.5% ±0.5% 0VAC 1.00 × 320 VAC for 24Hrs; section) 1.00 × 320 VAC for 24Hrs; section) 1.00 × 320 VAC for 24Hrs; 1.00 × 320 VAC for 24Hrs; 1.00 × 320 VAC for 24Hrs;	±2.0% ±0.5% ±0.5%	±2.0% ±0.5%		
AGE TOLERANCE Note.4 REGULATION D REGULATION P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	±3.0% ±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA") 88%	±2.5% ±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC continue C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	±2.5% ±0.5% ±0.5% 0VAC nue,320VAC for 24Hrs; section) 2/2/277VAC@full load CTERISTIC" section) //230VAC; @load≥75%/27	±2.0% ±0.5% ±0.5%	±2.0% ±0.5%		
REGULATION D REGULATION P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	±0.5% ±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	±0.5% ±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC continue C CHARACTERISTIC" s ≥0.95/230VAC, PF ≥0.9 iR FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	±0.5% ±0.5% 0VAC nue,320VAC for 24Hrs; section) 12/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27	±0.5% ±0.5%	±0.5%		
D REGULATION IP, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	±1.0% 1000ms, 80ms/115VAC 15ms/115VAC 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF, (Please refer to "POWE THD< 20%(@load≥50) (Please refer to "TOTA") 88%	±1.0% 500ms, 100ms/23 is/230VAC 142 ~ 431VDC continue C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 £R FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	±0.5% 0VAC nue,320VAC for 24Hrs; section) 12/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27	±0.5% 360VAC for 1Hr			
P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	1000ms, 80ms/115VAC 15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF, (Please refer to "POWE THD<20%(@load≥50) (Please refer to "TOTA"	500ms, 100ms/23 is/230VAC 142 ~ 431VDC contin C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% AL HARMONIC DISTOR	ovaC nue,320VAC for 24Hrs; section) 12/277VAC@full load CTERISTIC" section) /230VAC; @load≥75%/27	360VAC for 1Hr	±0.5%		
P, RISE TIME Note.6 D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	IS/230VAC 142 ~ 431VDC continue conti	nue,320VAC for 24Hrs; section) 02/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27				
D UP TIME (Typ.) AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	15ms/115VAC 10m 100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	IS/230VAC 142 ~ 431VDC continue conti	nue,320VAC for 24Hrs; section) 02/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27				
AGE RANGE Note.5 RUENCY RANGE ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	100 ~ 305VAC (Please refer to "STATI 47 ~ 63Hz PF ≥ 0.97/115VAC, PF (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA"	142 ~ 431VDC continued to the continued	ection) 2/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27				
ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	(Please refer to "STATI 47 ~ 63Hz PF≥0.97/115VAC, PF: (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 88%	C CHARACTERISTIC" s ≥ 0.95/230VAC, PF ≥ 0.9 ER FACTOR (PF) CHARA %/115VC; @load≥60% LL HARMONIC DISTOR	ection) 2/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27				
ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	47 ~ 63Hz PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA")	≥ 0.95/230VAC, PF ≥ 0.9 R FACTOR (PF) CHARA %/115VC; @load≧60% LL HARMONIC DISTOR	l2/277VAC@full load CTERISTIC" section) /230VAC; @load≧75%/27				
ER FACTOR HARMONIC DISTORTION CIENCY (Typ.)	PF≥0.97/115VAC, PF; (Please refer to "POWE THD< 20%(@load≥50 (Please refer to "TOTA 88%	ER FACTOR (PF) CHARA %/115VC; @load≧60% AL HARMONIC DISTOR	CTERISTIC" section) /230VAC; @load≧75%/27				
HARMONIC DISTORTION	(Please refer to "POWE THD< 20%(@load≧50 (Please refer to "TOTA 88%	ER FACTOR (PF) CHARA %/115VC; @load≧60% AL HARMONIC DISTOR	CTERISTIC" section) /230VAC; @load≧75%/27				
CIENCY (Typ.)	THD< 20%(@load≧50 (Please refer to "TOTA 88%	%/115VC; @load≧60% AL HARMONIC DISTOR					
CIENCY (Typ.)	(Please refer to "TOTA 88%	AL HARMONIC DISTOR	. •				
CIENCY (Typ.)	88%			77VAC)			
,	1070	89%					
IDDENT	1 1 A / 115VAC 0.6		90%	90%	91%		
URRENT	1.1A / 115VAC 0.6A / 230VAC 0.5A / 277VAC						
SH CURRENT(Typ.)	COLD START 60A(twidth=850µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
No. of PSUs on 16A UIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC						
AGE CURRENT	<0.75mA/277VAC						
	No load power consumption <0.5W for Blank / A / Dx / D2-Type						
DAD / STANDBY ER CONSUMPTION	Standby power consumption <0.5W for B / AB / DA-Type						
CURRENT	95 ~ 108%						
	Constant current limiting, recovers automatically after fault condition is removed						
RT CIRCUIT	Hiccup mode, recovers	automatically after fault	condition is removed				
RVOLTAGE	28 ~ 34V	41 ~ 48V	47 ~ 54V	54 ~ 62V	62 ~ 72V		
VOLIAGE	Shut down output voltage, re-power on to recover						
TEMPERATURE	Shut down output voltage, re-power on to recover						
KING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
CASE TEMP.	Tcase=+90°C						
KING HUMIDITY	20 ~ 95% RH non-condensing						
AGE TEMP., HUMIDITY	20 ~ 95% RA Hon-condensing -40 ~ +80℃, 10 ~ 95% RH						
	UL8750(type"HL"), CSA C22.2 No. 250.13-12; IEC/EN/AS/NZS 61347-1, IEC/EN/AS/NZS 61347-2-13 independent, EN62384;						
	EAC TP TC 004;BIS IS15885(for 24/24B/36/36A/42/42A/48/48B/54/54A only);GB19510.1, GB19510.14; IP65 or IP67 approved						
	Compliance to IEC62386-101, 102, 207 for DA-Type only						
STAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC						
ATION RESISTANCE	I/P-O/P, I/P-FG, O/P-F	G:100M Ohms / 500VD	0C / 25°C / 70% RH				
MISSION	Compliance to EN55015,EN61000-3-2 Class C (@load ≥ 60%); EN61000-3-3;GB17743, GB17625.1;EAC TP TC 020						
IMMUNITY							
	978.2K hrs min. Telcordia SR-332 (Bellcore) 282.9Khrs min. MIL-HDBK-217F (25°C)						
	199*63*35.5mm (L*W*H)						
	,	,					
NSION	1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. Please refer to "DRIVING METHODS OF LED MODULE". For DA-Type, Constant Current region is 60%~100% of maximum voltage under rated power delivery. 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf 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. 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.						
BALI STANDARDS Compliance to IEC62386-101, 102, 207 for DA-Type only WITHSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55015,EN61000-3-2 Class C (@load ≥ 60%); EN61000-3-3;GB17743, GB17625.1;EAC TP TC 020 EMC IMMUNITY Compliance to EN55015,EN61000-3-2 Class C (@load ≥ 60%); EN61000-3-3;GB17743, GB17625.1;EAC TP TC 020 EMC IMMUNITY 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 010 MTBF 978.2K hrs min. Telcordia SR-332 (Bellcore) 282.9Khrs min. MIL-HDBK-217F (25°C) DIMENSION 199*63*35.5mm (L*W*H) PACKING 0.85kg; 16pcs/14.2kg/0.72CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. Please refer to "DRIVING METHODS OF LED MODULE". For DA-Type, Constant Current region is 60%~100% of maximum voltage under rated power delivery. 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf 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. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the							

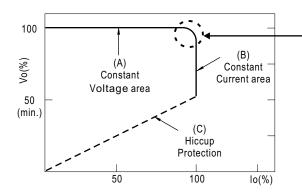
■ Block Diagram

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.



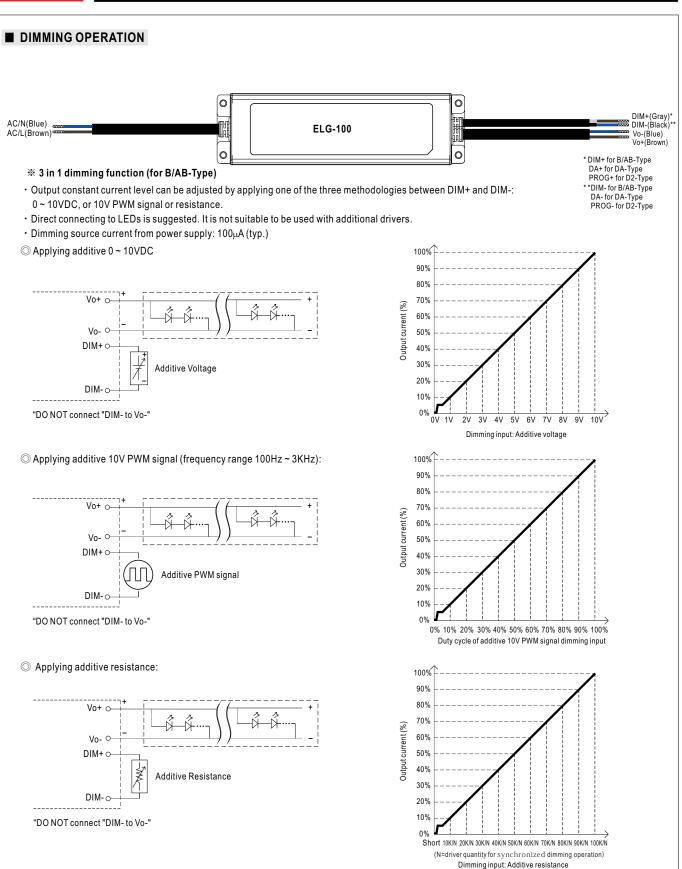
Typical output current normalized by rated current (%)

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.

© This characteristic applies to Blank/A/B/AB/DX/D2-Type, For DA-Type, the Constant Current area is 60%∼100% 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.



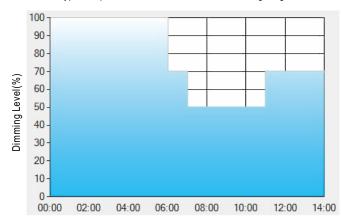
* DALI Interface (primary side; for DA-Type)

- · 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:

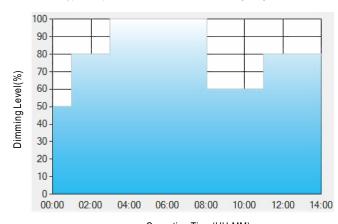
	T1	T2	Т3	T4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

Operating Time(HH:MM)

- $\hbox{\ensuremath{}^{**}:} {\sf TIME} \ {\sf matches} \ {\sf Operating} \ {\sf Time} \ {\sf in} \ {\sf the} \ {\sf diagram} \ {\sf whereas} \ {\sf LEVEL} \ {\sf matches} \ {\sf Dimming} \ {\sf Level}.$
 - 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:

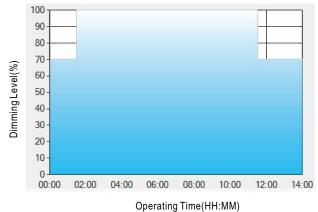
	T1	T2	Т3	T4	T5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

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%

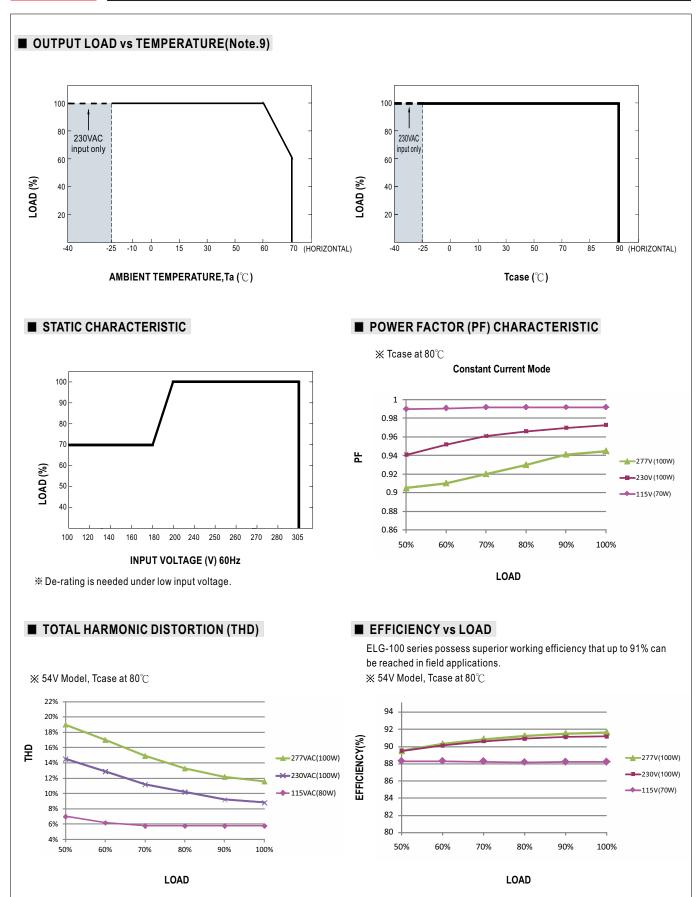
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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

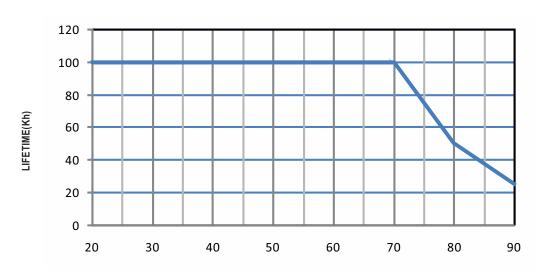
- [1] The power supply will switch to the constant current level at 70% starting from 4:30pm.
- [2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.
- [3] The power supply will switch to the constant current 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 $6:30\,\mathrm{am}$, which is 14:00 after the power supply turns on.

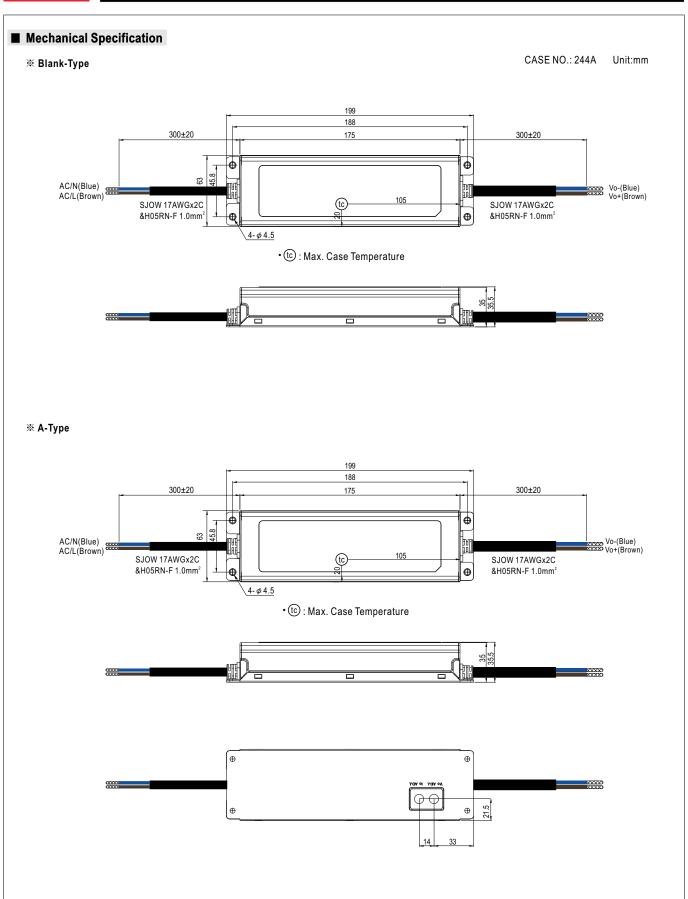




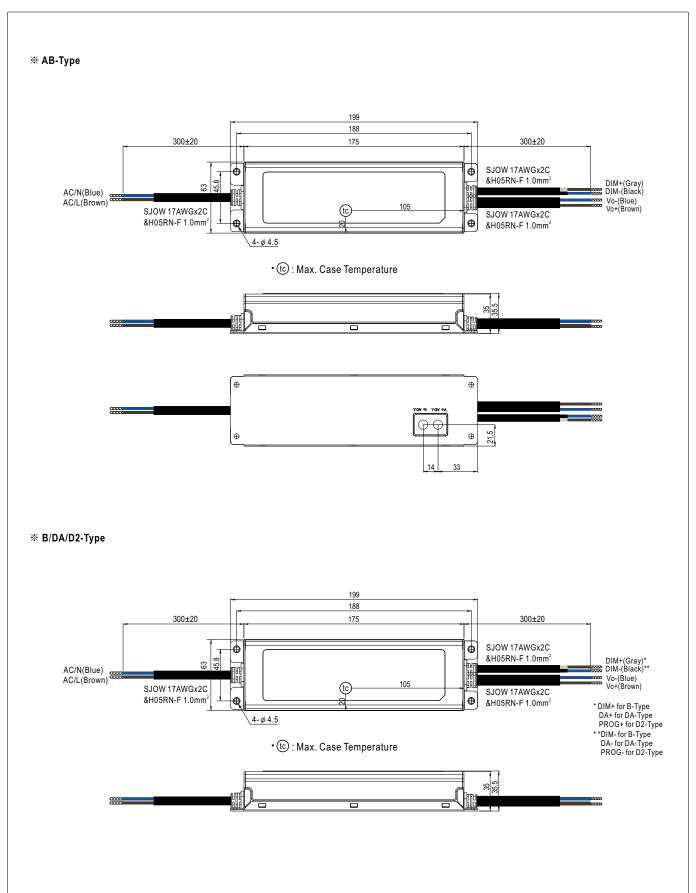
■ LIFE TIME



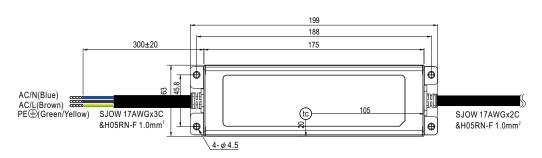








X 3Y Model (3-wire input)



• (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