







Applications

GTIN CODE

LED street lighting

· LED bay lighting

LED floodlighting

· LED architectural lighting

Type "HL" for use in Class I, Division 2

hazardous (Classified) location.

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

### 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

### 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 ~  $+90^{\circ}$ 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

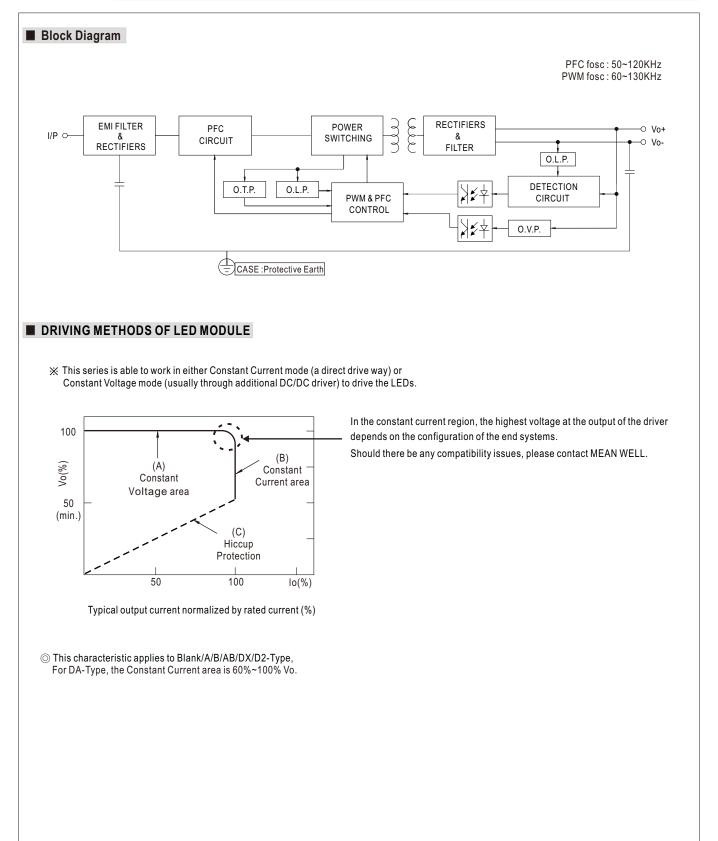
ELG - 100 - 36	A -
	Input wiring type
	Function mode option 3Y:3-wire input for standard model
	——— Rated output voltage(24/36/42/48/54V)
	Rated wattage
	Series name

Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed.	In Stock
A	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

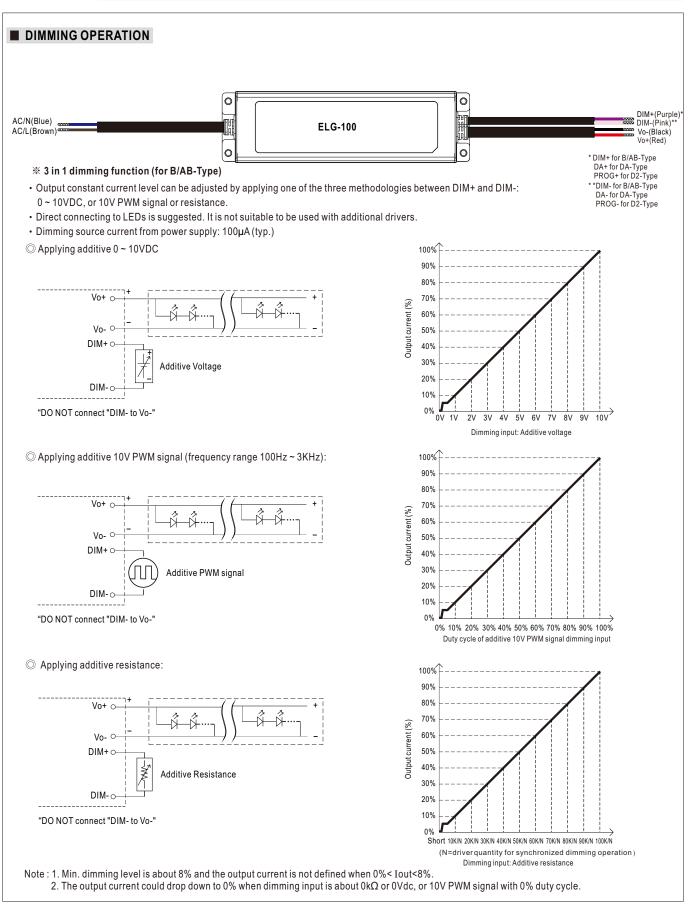


MODEL	ATION	ELG-100-24	ELG-100-36	ELG-100-42	ELG-100-48	ELG-100-54		
	DC VOLTAGE	24V	36V	42V	48V	54V		
	CONSTANT CURRENT REGION Note.		18 ~ 36V	21~42V	24 ~ 48V	27 ~ 54V		
	RATED CURRENT	4.0A	2.66A	2.28A	2A	1.78A		
		200VAC ~ 305VAC	1					
	RATED POWER	96W	95.76W	95.76W	96W	96.12W		
	NATED TOWER	100VAC ~ 180VAC						
		70W	70W	70W	70W	70W		
		200mVp-p	250mVp-p	250mVp-p	300mVp-p			
	RIPPLE & NOISE (max.) Note.3				30011vp-p	350mVp-p		
	VOLTAGE ADJ. RANGE	Adjustable for A/AB-Type	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	,				
OUTPUT		21.6 ~ 26.4V	32.4 ~ 39.6V	37.8 ~ 46.2V	43.2 ~ 52.8V	48.6 ~ 59.4V		
UUIPUI		Adjustable for A/AB-Type	only (via the built-in pote	entiometer)				
	CURRENT ADJ. RANGE	2~4A	1.33~2.66A	1.14 ~ 2.28A	1 ~ 2A	0.89 ~ 1.78A		
	VOLTAGE TOLERANCE Note.4	±3.0%	±2.5%	±2.5%	±2.0%	±2.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
			±1.0%					
	LOAD REGULATION	±1.0%		±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME Note.6	1000ms, 80ms/115VAC 500ms, 100ms/230VAC						
	HOLD UP TIME (Typ.)	15ms/115VAC 10ms/	/230VAC					
		100 ~ 305VAC 14	42~431VDC continu	e,320VAC for 24Hrs; 3	60VAC for 1Hr			
	VOLTAGE RANGE Note.5	(Please refer to "STATIC	CHARACTERISTIC" sec	tion)				
	FREQUENCY RANGE	47 ~ 63Hz						
		PF≧0.97/115VAC, PF≧	0 95/230\/AC PE>0 92	/277\/AC@full.load				
	POWER FACTOR	(Please refer to "POWEF						
			. ,	*	24.02			
	TOTAL HARMONIC DISTORTION			30VAC; @load≧75%/277	VAC)			
		(Please refer to "TOTAL	HARMONIC DISTORT	ON(THD)" section)				
INPUT	EFFICIENCY (Typ.)	88%	89%	90%	90%	91%		
	AC CURRENT	1.1A / 115VAC 0.6A /	230VAC 0.5A/277VA	C				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth	n=850µs measured at 509	// Ipeak) at 230VAC; Per M	NEMA 410			
	MAX. No. of PSUs on 16A			1 / /				
	CIRCUIT BREAKER	3 units (circuit breaker of	f type B) / 6 units (circuit	breaker of type C) at 230\	/AC			
		<0.75mA (077)/AC						
	LEAKAGE CURRENT	<0.75mA/277VAC						
	NO LOAD / STANDBY	No load power consumpt	tion <0.5W for Blank / A /	Dx / D2-Type				
	POWER CONSUMPTION	Standby power consump	tion <0.5W for B / AB / DA	<b>\-</b> Туре				
		95 ~ 108%						
	OVER CURRENT	Constant current limiting,	recovers automatically aft	er fault condition is remove	ed			
	SHORT CIRCUIT	Hiccup mode, recovers a						
PROTECTION		28 ~ 34V	41~48V	47 ~ 54V	54 ~ 62V	62~72V		
ROLOHON	OVER VOLTAGE				54~02V	02~72V		
		Shut down output voltag						
	OVER TEMPERATURE	Shut down output voltag						
	WORKING TEMP.	Tcase=-40 ~ +90°C (Plea	ase refer to " OUTPUT LO	AD vs TEMPERATURE" s	section)			
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 95% RH non-conder	nsing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% R	Н					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	VIBRATION	. ,	avala pariad for 72min	ach clong V. V. 7 oyog				
	VIDICATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), CSA C22.2 No. 250.13-12; IEC/BS EN/EN/AS/NZS 61347-1, IEC/BS EN/EN/AS/NZS 61347-2-13 independent,						
	SAFETY STANDARDS					2S 61347-2-13 independent, B/48/48B/54/54A/54ADA/54E		
	SAFETT STANDARDS			61347-1, KC61347-2-13				
OAFET!	DALI STANDARDS	Compliance to IEC6238		,	••			
SAFETY &	WITHSTAND VOLTAGE			, ,, ,				
EMC		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 Compliance to BS EN/EN55015,BS EN/EN61000-3-2 Class C (@load ≥60%); BS EN/EN61000-3-3;GB17743, GB17625.1;						
				3-2 Class C (@load $\geq$ 60	%); BS EN/EN61000-3-3;G	GB17743, GB17625.1;		
	EMC EMISSION	EAC TP TC 020; KC KN15,KN61547						
	EMC EMISSION	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)						
	EMC EMISSION EMC IMMUNITY							
	EMC IMMUNITY	EAC TP TC 020; KC KN1	15, KN61547					
	EMC IMMUNITY MTBF	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord	15, KN61547 ia SR-332 (Bellcore)	282.9Khrs min. MIL-H	HDBK-217F (25℃)			
OTHERS	EMC IMMUNITY	EAC TP TC 020; KC KN1	15, KN61547 ia SR-332 (Bellcore)	282.9Khrs min. MIL-H	HDBK-217F (25℃)			
OTHERS	EMC IMMUNITY MTBF	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord	15, KN61547 ia SR-332 (Bellcore) )	282.9Khrs min. MIL-H	HDBK-217F (25℃)			
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a	I5, KN61547 ia SR-332 (Bellcore) ) '2CUFT t 230VAC input, rated cur	rent and 25 $^\circ\!\!\mathbb C$ of ambient	temperature.			
OTHERS	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a	I5, KN61547 ia SR-332 (Bellcore) ) '2CUFT t 230VAC input, rated cur	rent and 25 $^\circ\!\!\mathbb C$ of ambient	temperature.			
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery.	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE	15, KN61547 ia SR-332 (Bellcore) ) /2CUFT t 230VAC input, rated cur ". For DA-Type, Constant	rent and 25℃ of ambient Current region is 60%~10	temperature. 00% of maximum voltage			
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and	15, KN61547 ia SR-332 (Bellcore) ) /2CUFT t 230VAC input, rated cur '''. For DA-Type, Constant using a 12" twisted pair-w load regulation.	rent and 25°C of ambient Current region is 60%~10 vire terminated with a 0.1u	temperature. 00% of maximum voltage f & 47uf parallel capacitor.			
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H; 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas	15, KN61547 ia SR-332 (Bellcore) ) '2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF	rent and 25°C of ambient Current region is 60%~10 ire terminated with a 0.1u RACTERISTIC" sections for	temperature. )0% of maximum voltage f & 47uf parallel capacitor. or details.			
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni	15, KN61547 ia SR-332 (Bellcore) ) /2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF ing ON/OFF the driver ma	rent and 25°C of ambient Current region is 60%~10 vire terminated with a 0.1u RACTERISTIC" sections for ay lead to increase of the s	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time.	cted by the		
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni component that will be ope	15, KN61547 ia SR-332 (Bellcore) ) 72CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF ing ON/OFF the driver ma rated in combination with	rent and 25°C of ambient : Current region is 60%~10 rire terminated with a 0.1u RACTERISTIC" sections for ay lead to increase of the s final equipment. Since EM	temperature. 00% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe	cted by the		
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meass 7. The driver is considered as a complete installation, the final 8. This series meets the typical	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H; 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni component that will be ope equipment manufacturers r fe expectancy of >50,000 h	15, KN61547 ia SR-332 (Bellcore) ) '2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF ing ON/OFF the driver ma rated in combination with must re-qualify EMC Direc ours of operation when T	rent and 25°C of ambient Current region is 60%~10 ire terminated with a 0.1u RACTERISTIC" sections for ay lead to increase of the final equipment. Since EM tive on the complete insta case, particularly (ic) point	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe llation again.			
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. The driver is considered as a complete installation, the final 8. This series meets the typical I 9. Please refer to the warranty s	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni component that will be oper equipment manufacturers r fe expectancy of >50,000 h atement on MEAN WELL's	I5, KN61547 ia SR-332 (Bellcore) / /2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF ing ON/OFF the driver mar rated in combination with nust re-qualify EMC Direc ours of operation when T website at http://www.me	rent and 25°C of ambient Current region is 60%~10 vire terminated with a 0.1u RACTERISTIC" sections for ay lead to increase of the final equipment. Since EM titve on the complete insta case, particularly (c) point sanwell.com	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe Illation again. t (or TMP, per DLC), is abc	out 80°C or less.		
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meass 7. The driver is considered as a complete installation, the final 8. This series meets the typical I 9. Please refer to the warranty s 10. The ambient temperature de	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni component that will be ope equipment manufacturers r fe expectancy of >50,000 H atement on MEAN WELL's rating of 3.5°C/1000m with	I5, KN61547 ia SR-332 (Bellcore) ) /2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAR ing ON/OFF the driver ma rated in combination with must re-qualify EMC Director ours of operation when T swebsite at http://www.me fanless models and of 5"C	rent and 25°C of ambient : Current region is 60%~10 vire terminated with a 0.1u RACTERISTIC" sections for ay lead to increase of the s final equipment. Since EN tive on the complete insta icase, particularly (c) point sanwell.com C/1000m with fan models	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe Ilation again. t (or TMP, per DLC), is abc for operating altitude higher	out 80°C or less.		
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. The driver is considered as a complete installation, the final 8. This series meets the typical I 9. Please refer to the warranty s	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H, 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turm component that will be ope equipment manufacturers r fe expectancy of >50,000 h atement on MEAN WELL's rating of 3.5°C/1000m with IP water proof function inst	I5, KN61547 ia SR-332 (Bellcore) ) /2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAR ing ON/OFF the driver ma rated in combination with must re-qualify EMC Director ours of operation when T swebsite at http://www.me fanless models and of 5"C	rent and 25°C of ambient : Current region is 60%~10 vire terminated with a 0.1u RACTERISTIC" sections for ay lead to increase of the s final equipment. Since EN tive on the complete insta icase, particularly (c) point sanwell.com C/1000m with fan models	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe Ilation again. t (or TMP, per DLC), is abc for operating altitude higher	out 80°C or less.		
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. The driver is considered as a complete installation, the final 8. This series meets the typical I 9. Please refer to the warranty s 10. The ambient temperature de 11. For any application note and https://www.meanwell.com/U 12. D2 models need to be progr	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni component that will be ope equipment manufacturers r fe expectancy of >50,000 atterment on MEAN WELL's rating of 3.5°C/1000m with IP water proof function inst pload/PDF/LED_EN.pdf ammed in the state of loadi	I5, KN61547 ia SR-332 (Bellcore) //2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF ing ON/OFF the driver ma rated in combination with must re-qualify EMC Direc iours of operation when T website at http://www.me fanless models and of 5°C tallation caution, please re- ng.	rent and 25°C of ambient Current region is 60%~10 ire terminated with a 0.1u RACTERISTIC" sections fr ay lead to increase of the final equipment. Since EN titve on the complete insta case, particularly (c) point sanwell.com C/1000m with fan models fer our user manual befor	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe Illation again. t (or TMP, per DLC), is abo for operating altitude higher e using.	but 80°C or less. r than 2000m(6500ft).		
	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME under rated power delivery. 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. The driver is considered as a complete installation, the final 8. This series meets the typical 19. Please refer to the warranty s 10. The ambient temperature de 11. For any application note and https://www.meanwell.com/U	EAC TP TC 020; KC KN1 2920.8K hrs min. Telcord 199*63*35.5mm (L*W*H) 0.85kg; 16pcs/14.2kg/0.7 mentioned are measured a THODS OF LED MODULE at 20MHz of bandwidth by erance, line regulation and er low input voltages. Pleas ured at first cold start. Turni component that will be ope equipment manufacturers r fe expectancy of >50,000 atterment on MEAN WELL's rating of 3.5°C/1000m with IP water proof function inst pload/PDF/LED_EN.pdf ammed in the state of loadi	I5, KN61547 ia SR-332 (Bellcore) //2CUFT t 230VAC input, rated cur ". For DA-Type, Constant using a 12" twisted pair-w load regulation. se refer to "STATIC CHAF ing ON/OFF the driver ma rated in combination with must re-qualify EMC Direc iours of operation when T website at http://www.me fanless models and of 5°C tallation caution, please re- ng.	rent and 25°C of ambient Current region is 60%~10 ire terminated with a 0.1u RACTERISTIC" sections fr ay lead to increase of the final equipment. Since EN titve on the complete insta case, particularly (c) point sanwell.com C/1000m with fan models fer our user manual befor	temperature. 20% of maximum voltage f & 47uf parallel capacitor. or details. set up time. IC performance will be affe Illation again. t (or TMP, per DLC), is abo for operating altitude higher e using.	put 80 °C or less. r than 2000m(6500ft).		











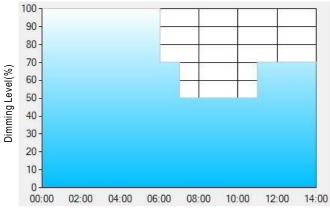
#### **※ DALI Interface (primary side; for DA-Type)**

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

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

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

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



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

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

#### Operating Time(HH:MM)

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

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

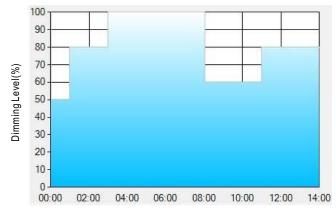
[1] The power supply will switch to the constant current level at 100% starting from 6:00pm.

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

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

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

Ex: O D02-Type: the profile recommended for street lighting



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

	T1	T2	Т3	T4	Τ5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

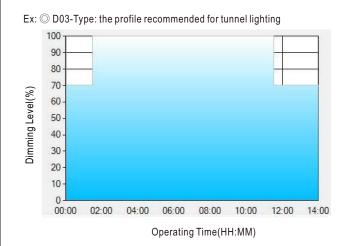
#### Operating Time(HH:MM)

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

- Example: If a street lighting application adopts D02-Type, when turning on the power supply at 5:00pm, for instance:
- [1] The power supply will switch to the constant current level at 50% starting from 5:00pm.
- [2] The power supply will switch to the constant current level at 80% in turn, starting from 6:00pm, which is 01:00 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 100% in turn, starting from 8:00pm, which is 03:00 after the power supply turns on.
- [4] The power supply will switch to the constant current level at 60% in turn, starting from 1:00am, which is 08:00 after the power supply turns on.

<sup>[5]</sup> 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:

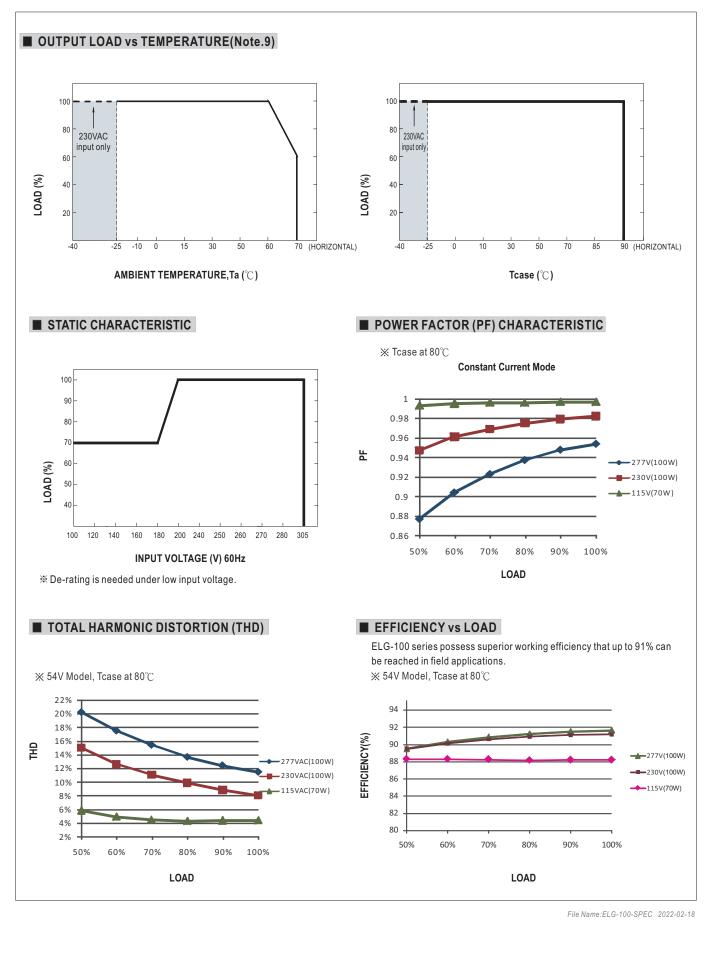
[1] The power supply will switch to the constant current level at 70% starting from 4:30pm.

[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 6:30am, which is 14:00 after the power supply turns on.



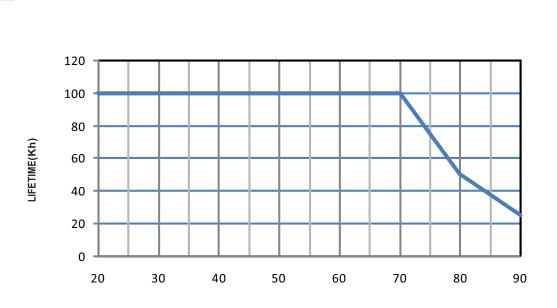
70~100W Constant Voltage + Constant Current LED Driver ELG-100 series





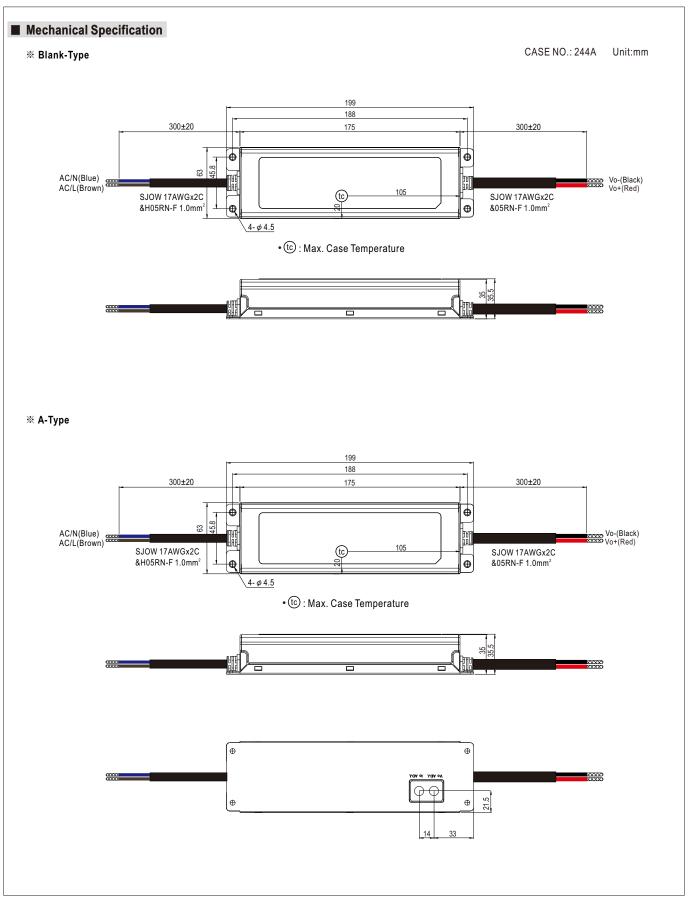
70~100W Constant Voltage + Constant Current LED Driver **ELG-100** series

LIFE TIME

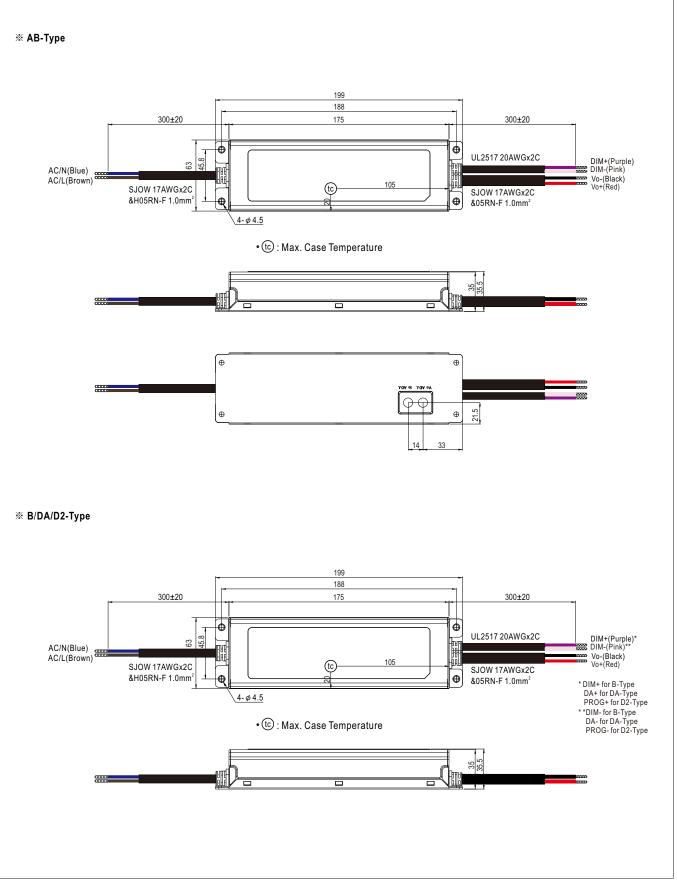


Tcase ( $^\circ\!\mathbb{C}$ )



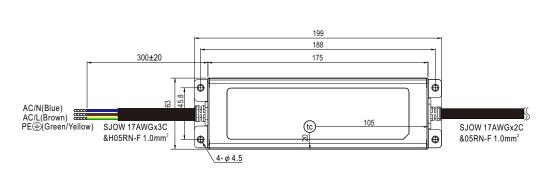








#### ※ 3Y Model (3-wire input)



• 🛈 : Max. Case Temperature

 $\odot$  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