

























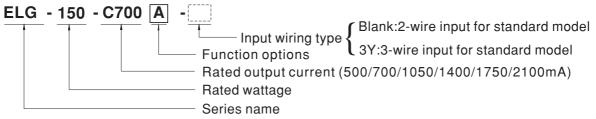
# Features

- · Constant Current mode output
- · Metal housing design with functional Ground
- · Built-in active PFC function
- No load / Standby power consumption < 0.5W</li>
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI; Auxiliary DC output
- Typical lifetime>50000 hours
- 5 years warranty

# Description

ELG-150-C series is a 150W LED AC/DC driver featuring the constant current mode and high voltage output. ELG-150-C operates from 100~360VAC and offers models with different rated current ranging between 500mA and 2100mA. Thanks to the high efficiency up to 92%, with the fanless design, the entire series is able to operate for -40°C ~+85°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-150-C 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	lo fixed.	In Stock
Α	IP65	Io 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 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
BE	IP67	3 in 1 dimming function and Auxiliary DC output	In Stock

# Applications

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



#### **SPECIFICATION**

			ELG-150-C500	ELG-150-C700	ELG-150-C1050	ELG-150-C1400	ELG-150-C1750	ELG-150-C2100	
	RATED CURRENT		500mA	700mA	1050mA	1400mA	1750mA	2100mA	
	TATED COUNTER		100VAC ~ 180VAC	1 1					
		(For All the Types)	105W	105W	105W	105W	105W	105W	
	RATED		200VAC ~ 305VAC						
	POWER	(Except for BE Type)	150W	149.8W	150.15W	149.8W	150.5W	151.2W	
ОИТРИТ		(For BE Type only)	135W	134.4W	134.4W	133W	133W	134.4W	
	CONSTANT CURE	RENT REGION Note.2		107 ~ 214V	72 ~ 143V	54 ~ 107V	43 ~ 86V	36 ~ 72V	
	CONSTANT CURRENT REGION Note.2 (For BE Type only)			107 ~ 192V	72 ~ 128V	54 ~ 95V	43 ~ 76V	36 ~ 64V	
	OPEN CIRCUIT	VOLTAGE(max.)		225V	151V	115V	94V	80V	
	CURRENT ADJ. RANGE CURRENT RIPPLE		Adjustable for A/AB-Type only (via built-in potentiometer)						
			250 ~ 500mA   350 ~ 700mA   525 ~ 1050mA   700 ~ 1400mA   875 ~ 1750mA   1050 ~ 2100mA						
			5.0% max. @rated	current					
	CURRENT TOLERANCE		±5.0%						
	AUXILIARY DC OUTPUT		Nominal 15V(devia	ition 11.5~15.5V)@	0.3A for BF-Type o	nlv			
	SET UP TIME	Note 4	1600ms/115VAC	500ms/230VAC		,			
	OLI OI TIME	14016.4				0.411 0.00\/A.O. f	411-		
	VOLTAGE RA	ANGE Note.3	`	TATIC CHARACTE		24Hrs; 360VAC for	1Hr		
	FREQUENCY	/ RANGE	47 ~ 63Hz						
	POWER FAC	TOR (Typ.)		PF≥0.95/230VAC					
			(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)						
	TOTAL HARMON	NIC DISTORTION	THD<20%(@load≥50%/115VC; @load≥60%/230VAC; @load≥75%/277VAC)						
NPUT	TOTALTIANS	TIO DIOTORTION	(Please refer to "T	OTAL HARMONIC	DISTORTION(TH	D)" section)			
	EFFICIENCY	(Typ.)	92%	92%	92%	91%	91%	91%	
	EFFICIENCY (Typ.)(for BE Type only)		90%	90%	90%	89%	89%	89%	
	AC CURREN	Т (Тур.)	1.7A / 115VAC	0.9A / 230VAC	0.7A/277VAC				
		RUSH CURRENT(Typ.) COLD START 65A(twidth=485µs measured at 50% lpeak)/230VAC; Per NEMA 410							
	INKUSH CUR	RRENT(Typ.)	COLD START 65A	(twidth=485µs mea	sured at 50% Ipeak	)/230VAC; Per NEM	1A 410		
		PSUs on 16A		<u> </u>	<u> </u>	)/230VAC; Per NEM r of type C) at 230VA			
	MAX. No. of	PSUs on 16A EAKER		aker of type B) / 6 u	<u> </u>				
	MAX. No. of CIRCUIT BR LEAKAGE C	PSUs on 16A EAKER URRENT	3 units (circuit brea <0.75mA / 277VAC	aker of type B) / 6 u	nits (circuit breake	r of type C) at 230V/			
	MAX. No. of CIRCUIT BR	PSUs on 16A EAKER URRENT TANDBY	3 units (circuit brea <0.75mA / 277VAC No load power con	aker of type B) / 6 u	nits (circuit breake	r of type C) at 230V/			
	MAX. No. of CIRCUIT BR LEAKAGE CO NO LOAD / S POWER CON	PSUs on 16A EAKER URRENT TANDBY ISUMPTION	3 units (circuit brea <0.75mA / 277VAC No load power con Standby power cor	aker of type B) / 6 u sumption <0.5W for sumption <0.5W for	r Blank / A / Dx / D2 or B / AB / DA-Type	r of type C) at 230V/			
	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S	PSUs on 16A EAKER URRENT TANDBY ISUMPTION	3 units (circuit brea <0.75mA / 277VAC No load power con Standby power cor Hiccup mode, reco	aker of type B) / 6 u sumption <0.5W for nsumption <0.5W for vers automatically	nits (circuit breake r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition	r of type C) at 230V/	AC	82 ~ 02\/	
ROTECTION	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC	PSUs on 16A EAKER URRENT TANDBY ISUMPTION	3 units (circuit bread <0.75mA / 277VAC No load power con Standby power con Hiccup mode, reco 320 ~ 360V	aker of type B) / 6 u  sumption <0.5W for sumption <0.5W for vers automatically 230 ~ 265V	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V	r of type C) at 230V/		82~92V	
ROTECTION	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLTA	PSUs on 16A EAKER URRENT TANDBY ISUMPTION CUIT	3 units (circuit brea <0.75mA / 277VAC No load power con Standby power cor Hiccup mode, reco 320 ~ 360V Shut down o/p vol	aker of type B) / 6 u  sumption <0.5W for a sumptio	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/	AC	82~92V	
ROTECTION	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/	PSUs on 16A EAKER URRENT TANDBY ISUMPTION CUIT AGE ERATURE	3 units (circuit brea <0.75mA / 277VAC No load power con Standby power cor Hiccup mode, reco 320 ~ 360V Shut down o/p vol Shut down o/p vol	aker of type B) / 6 u  sumption <0.5W for the	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/ Type is removed 128 ~ 150V	AC 96~106V	82 ~ 92V	
ROTECTION	MAX. No. of CIRCUIT BR LEAKAGE CON NO LOAD / S POWER CON SHORT CIRC OVER VOLTA OVER TEMPE WORKING TI	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION CUIT  AGE ERATURE EMP.	3 units (circuit bread <0.75mA / 277VAC No load power constandby power c	aker of type B) / 6 u  sumption <0.5W for the	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/	AC 96~106V	82 ~ 92V	
ROTECTION	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION CUIT  AGE ERATURE EMP.	3 units (circuit bread <0.75mA / 277VAC No load power constandby power c	aker of type B) / 6 u sumption <0.5W for the sum of the	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/ Type is removed 128 ~ 150V	AC 96~106V	82~92V	
	MAX. No. of CIRCUIT BR LEAKAGE CON NO LOAD / S POWER CON SHORT CIRC OVER VOLTA OVER TEMPE WORKING TI	PSUs on 16A EAKER URRENT TANDBY ISUMPTION CUIT AGE ERATURE EMP. TEMP.	3 units (circuit bread <0.75mA / 277VAC No load power constandby power c	aker of type B) / 6 u sumption <0.5W for the sum of the	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/ Type is removed 128 ~ 150V	AC 96~106V	82~92V	
	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLTA OVER TEMPE WORKING TI MAX. CASE	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION  CUIT  AGE  ERATURE  EMP.  TEMP.  UMIDITY	3 units (circuit bread <0.75mA / 277VAC No load power constandby power c	aker of type B) / 6 u  sumption <0.5W for the	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/ Type is removed 128 ~ 150V	AC 96~106V	82~92V	
	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/ OVER TEMP! WORKING TI MAX. CASE T	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION  CUIT  AGE  ERATURE  EMP.  TEMP.  UMIDITY  MP., HUMIDITY	3 units (circuit bread <0.75mA / 277VAC No load power constandby power cord Hiccup mode, recostand y power cord 320 ~ 360V Shut down o/p volth your down o/p volth down o/p volth your down o/p	aker of type B) / 6 u  sumption <0.5W for the sum	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover	r of type C) at 230V/ Type is removed 128 ~ 150V	AC 96~106V	82~92V	
ROTECTION	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/ OVER TEMPE WORKING TI MAX. CASE WORKING HI STORAGE TEI	PSUs on 16A EAKER URRENT TANDBY ISUMPTION CUIT AGE ERATURE EMP. TEMP. UMIDITY MP., HUMIDITY	3 units (circuit bread <0.75mA / $277$ VAC No load power constandby power constandby power constandby power constandby power constandby power constands and $<0.320 \sim 360$ V Shut down o/p volution of $<0.320 \sim 360$ V Shut down o/p volution of $<0.320 \sim 360$ V Tcase= $-40 \sim +90$ °C $<0.320 \sim 95$ % RH non- $-40 \sim +80$ °C, $<0.320 \sim 95$ % RH non- $-40 \sim +80$ °C, $<0.320 \sim 95$ % C ( $<0.320 \sim 95$ %	aker of type B) / 6 u  sumption <0.5W for the sum	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover our recover	r of type C) at 230V/ Type is removed 128 ~ 150V	AC 96~106V	82 ~ 92V	
	MAX. No. of CIRCUIT BR LEAKAGE CON DOLOAD / SPOWER CON SHORT CIRCUIT OVER TEMPE WORKING TO MAX. CASE WORKING HISTORAGE TEMP. COEF	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION  CUIT  AGE  ERATURE  EMP.  TEMP.  UMIDITY  MP., HUMIDITY  FICIENT	3 units (circuit bread of the control of the contr	aker of type B) / 6 u  sumption <0.5W for the sum	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover to recover DUTPUT LOAD vs  for 72min. each al SA C22.2 No. 250.13	r of type C) at 230V/ Type is removed 128 ~ 150V  TEMPERATURE" se	AC 96~106V	47-2-13 independe	
	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/ OVER TEMPE WORKING TEMPE WORKING HI STORAGE TEI TEMP. COEF	PSUS ON 16A EAKER  URRENT  TANDBY ISUMPTION  CUIT  AGE  ERATURE  EMP.  TEMP.  UMIDITY  MP., HUMIDITY  FICIENT	3 units (circuit bread <0.75mA / 277VAC No load power constandby power c	aker of type B) / 6 u  sumption <0.5W for the sum	r Blank / A / Dx / D2 r B / AB / DA-Type after fault condition 155 ~ 180V to recover o recover DUTPUT LOAD vs  for 72min. each al SA C22.2 No. 250.13 c TP TC 004,BIS ISed	r of type C) at 230V/ Type is removed 128 ~ 150V  TEMPERATURE" se	96 ~ 106V ection)	47-2-13 independe	
NVIRONMENT	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/ OVER TEMPE WORKING TI MAX. CASE TO	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION  CUIT  AGE  ERATURE  EMP.  TEMP.  UMIDITY  MP., HUMIDITY  FICIENT  NDARDS  ARDS	3 units (circuit bread <0.75mA / 277VAC No load power constandby power c	aker of type B) / 6 u  sumption <0.5W for the	r Blank / A / Dx / D2 r B / AB / DA-Type after fault condition 155 ~ 180V to recover OUTPUT LOAD vs  for 72min. each al SA C22.2 No. 250.13 C TP TC 004,BIS IS ed 7 for DA-Type only	r of type C) at 230V/ Type is removed 128 ~ 150V  TEMPERATURE" se ong X, Y, Z axes -12;EN/AS/NZS 6134 815885(for 700A, 105)	96 ~ 106V ection)	47-2-13 independe	
NVIRONMENT	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLTA OVER TEMPE WORKING TI MAX. CASE WORKING HI STORAGE TEMP. COEF VIBRATION SAFETY STAIL DALI STANDA WITHSTAND	PSUs on 16A EAKER  URRENT  TANDBY ISUMPTION  CUIT  AGE  ERATURE EMP.  TEMP.  UMIDITY  MP., HUMIDITY  FICIENT  ARDS  VOLTAGE	3 units (circuit bread of the compliance to IEC I/P-O/P:3.75KVAC	aker of type B) / 6 u  sumption <0.5W for the	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover OUTPUT LOAD vs  for 72min. each al SA C22.2 No. 250.13 of TP TC 004,BIS Is ed 7 for DA-Type only of O/P-FG:1.5K	r of type C) at 230V/ r of type C) at 230V/ Type  is removed  128 ~ 150V  TEMPERATURE" se  ong X, Y, Z axes  1-12;EN/AS/NZS 6134 615885(for 700A, 108	96 ~ 106V ection)	47-2-13 independe	
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	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRCO OVER VOLT/ OVER TEMPE WORKING TI MAX. CASE TO STORAGE TEI TEMP. COEF VIBRATION SAFETY STAI DALI STANDA WITHSTAND ISOLATION F	PSUS ON 16A EAKER URRENT TANDBY ISUMPTION CUIT AGE ERATURE EMP. TEMP. UMIDITY MP., HUMIDITY FICIENT NDARDS ARDS VOLTAGE RESISTANCE N	3 units (circuit bread of the control of the contro	aker of type B) / 6 u  sumption <0.5W for the sum for the sumption <0.5W for the sum f	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover to recover DUTPUT LOAD vs.  for 72min. each al SA C22.2 No. 250.13 oc TP TC 004,BIS IS ed 7 for DA-Type only C O/P-FG:1.5K' S / 500VDC / 25°C/	r of type C) at 230V/ -Type  is removed  128 ~ 150V  TEMPERATURE" se  ong X, Y, Z axes -12;EN/AS/NZS 6134 615885(for 700A, 105)  /AC  70% RH 60%); EN61000-3-	96 ~ 106V ection)  77-1,EN/AS/NZS 6134 50A,700DA only),IP6	47-2-13 independe 55 or IP67; 525.1;	
NVIRONMENT	MAX. No. of CIRCUIT BR LEAKAGE CI NO LOAD / S POWER CON SHORT CIRC OVER VOLT/ OVER TEMPE WORKING TI MAX. CASE TO	PSUS ON 16A EAKER URRENT TANDBY ISUMPTION CUIT AGE ERATURE EMP. TEMP. UMIDITY MP., HUMIDITY FICIENT NDARDS ARDS VOLTAGE RESISTANCE N	3 units (circuit bread of the compliance to ENG EAC TP TC 020; KC	aker of type B) / 6 u  sumption <0.5W for the sum for the sumption <0.5W for the sum f	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover to recover DUTPUT LOAD vs.  for 72min. each al SA C22.2 No. 250.13 oc TP TC 004,BIS IS ed 7 for DA-Type only C O/P-FG:1.5K' S / 500VDC / 25°C/ C Class C (@load ≥ EN61547, light indus	r of type C) at 230V/ Type is removed 128 ~ 150V  TEMPERATURE" se ong X, Y, Z axes -12;EN/AS/NZS 6134 615885(for 700A, 105 //AC 70% RH 60%); EN61000-3- try level (surge immur	96 ~ 106V ection)  17-1,EN/AS/NZS 6134 50A,700DA only),IP6	47-2-13 independe 55 or IP67; 525.1;	
NVIRONMENT	MAX. No. of CIRCUIT BRILEAKAGE CONDUCTOR ON SHORT CIRCUIT BRILEAKAGE CONDUCTOR OVER VOLTOUR TEMPE WORKING TO MAX. CASE WORKING HISTORAGE TEMP. COEF VIBRATION SAFETY STAIL DALI STANDAWITHSTAND ISOLATION FEMC EMISSION EMC IMMUNITURE BRILEAKAGE TEMP.	PSUS ON 16A EAKER URRENT TANDBY ISUMPTION CUIT AGE ERATURE EMP. TEMP. UMIDITY MP., HUMIDITY FICIENT NDARDS ARDS VOLTAGE RESISTANCE N	3 units (circuit bread of the compliance to ENG EAC TP TC 020; KC	aker of type B) / 6 u sumption <0.5W for sumption <0.5W for sumption <0.5W for vers automatically substituted in the sumption <0.5W for vers automatically substituted in the sumption <0.5W for vers automatically substituted in the sumption <0.5W for each of the sumption in the sum in	r Blank / A / Dx / D2 or B / AB / DA-Type after fault condition 155 ~ 180V to recover to recover DUTPUT LOAD vs.  for 72min. each al SA C22.2 No. 250.13 oc TP TC 004,BIS IS ed 7 for DA-Type only C O/P-FG:1.5K' S / 500VDC / 25°C/ C Class C (@load ≥ EN61547, light indus	r of type C) at 230V/ Type is removed 128 ~ 150V  TEMPERATURE" se ong X, Y, Z axes -12;EN/AS/NZS 6134 615885(for 700A, 105 //AC 70% RH 60%); EN61000-3- try level (surge immur	96 ~ 106V ection)  17-1,EN/AS/NZS 6134 50A,700DA only),IP6	47-2-13 independe 55 or IP67; 525.1;	

- under rated power delivery.

- under rated power delivery.

  3. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.

  4. 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.

  5. 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.

  6. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 75°C or less.

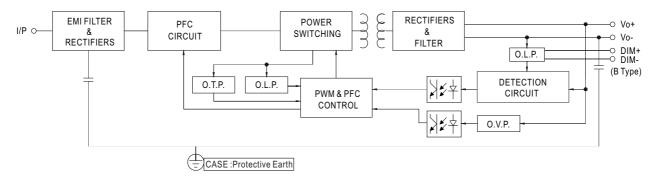
  7. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.

  8.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).



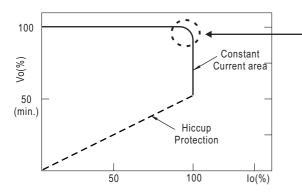
## **■** BLOCK DIAGRAM

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



## ■ DRIVING METHODS OF LED MODULE

 $\divideontimes$  This series works in constant current mode to directly drive the LEDs.



Typical output current normalized by rated current (%)

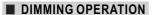
 $\ \ \, \ \ \,$  This characteristic applies to Blank/A/B/AB/DX/D2/BE-Type, For DA-Type, the Constant Current area is  $60\% \sim 100\%$  Vo.

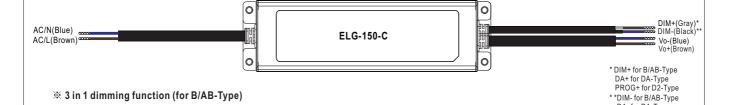
In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

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

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

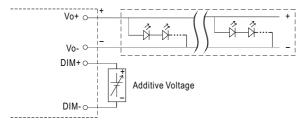






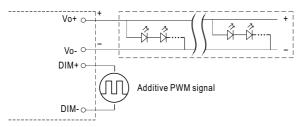
#### \* 3 in 1 dimming function (for B/AB-Type)

- · Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: 0 ~ 10VDC, or 10V 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



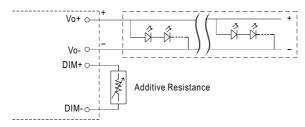
"DO NOT connect "DIM- to Vo-"

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

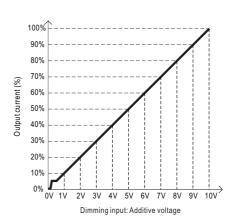


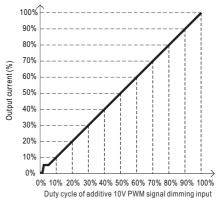
"DO NOT connect "DIM- to Vo-"

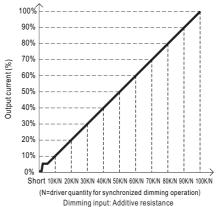
Applying additive resistance:



"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 0kΩ or 0Vdc, or 10V PWM signal with 0% duty cycle.

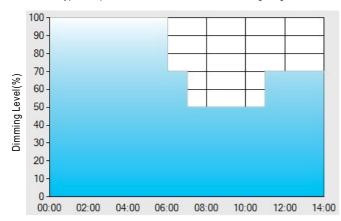
#### **X DALI Interface (primary side; for DA-Type)**

- · 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:

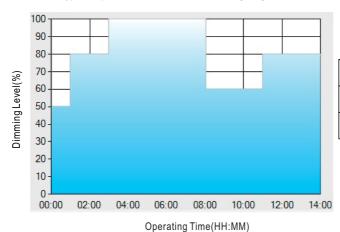
	T1	T2	Т3	T4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

Operating Time(HH:MM)

- - 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:

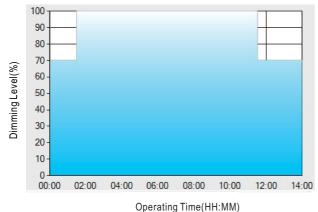
	T1	T2	Т3	T4	T5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

# \*\*: 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.



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%

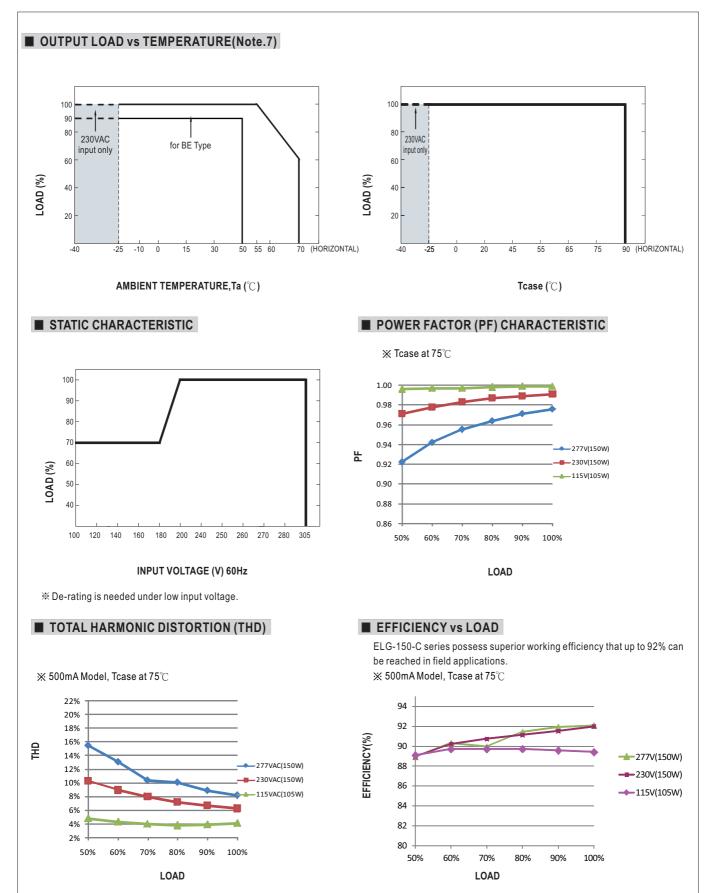
\*\*: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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 5:00 am, which is 11:00 after the power supply turns on.

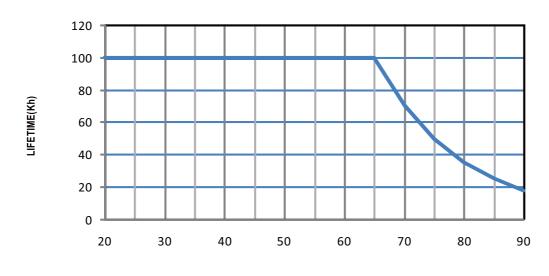
The constant current level remains till  $6:30\,\mathrm{am}$ , which is 14:00 after the power supply turns on.





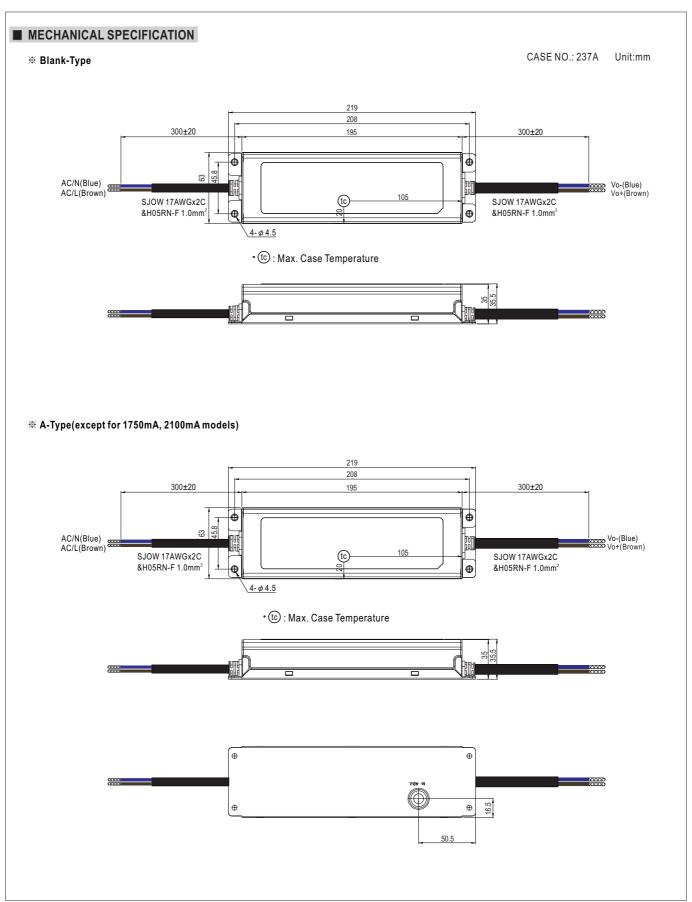


# ■ LIFE TIME

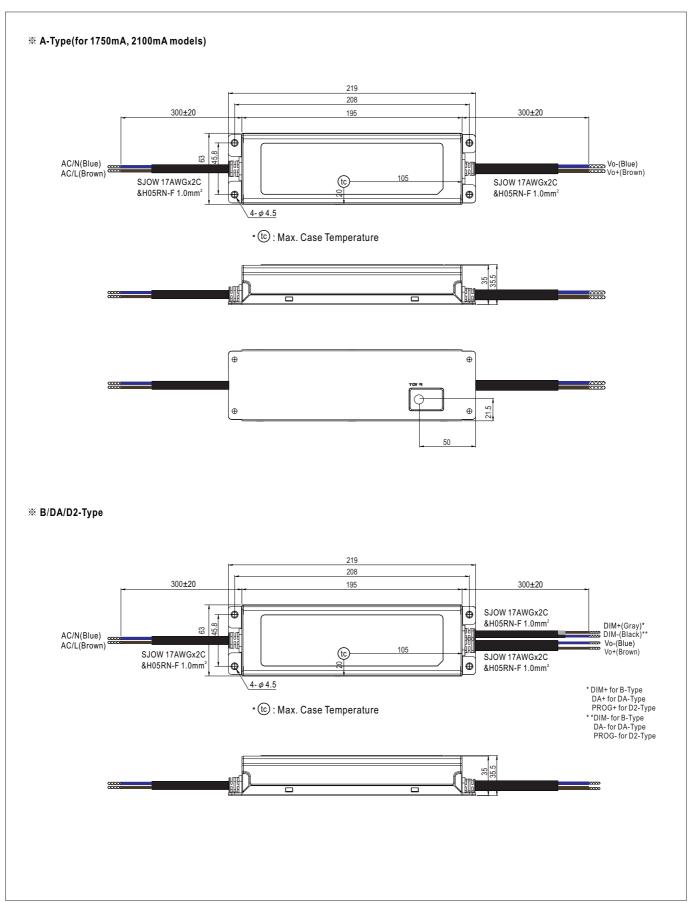


Tcase ( $^{\circ}$ C)

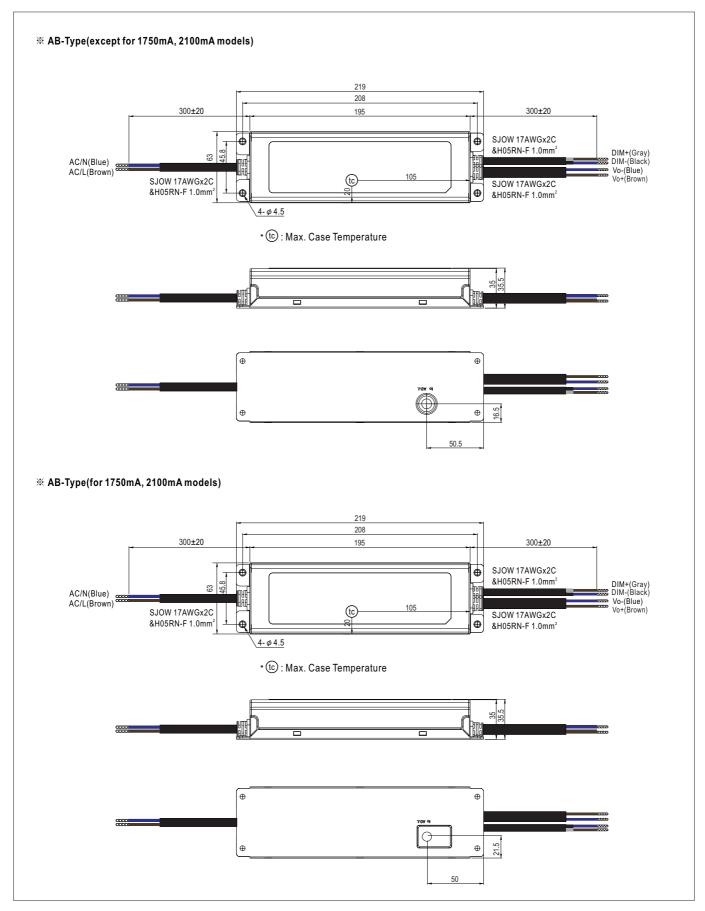






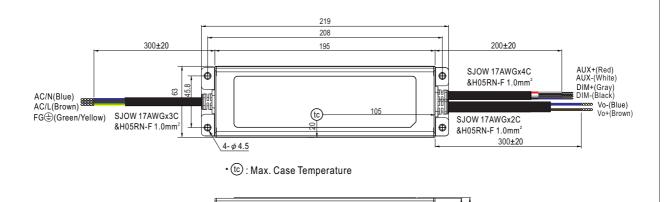




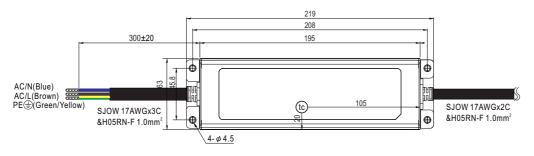




### ※ BE-Type



## **※ 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.
- O Note2: Please contact MEAN WELL for input wiring option with PE.

## ■ INSTALLATION MANUAL

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