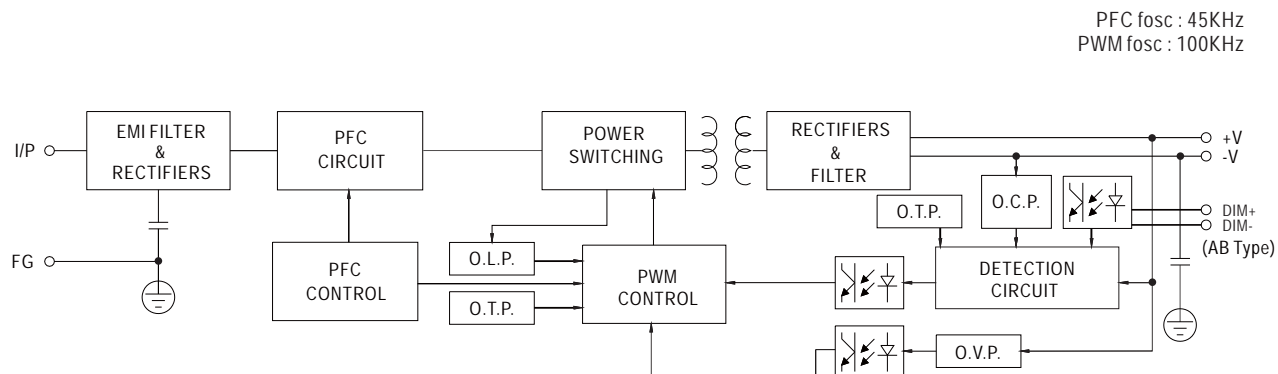
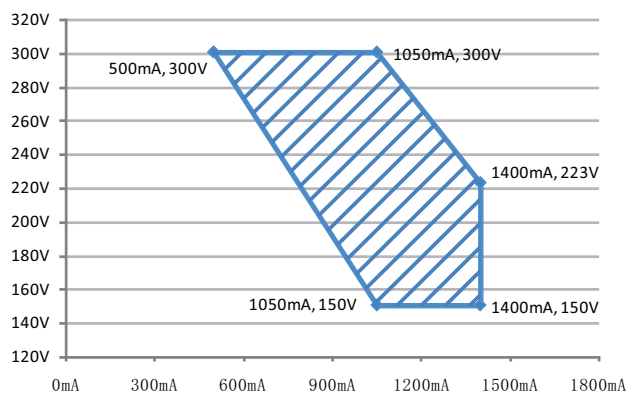


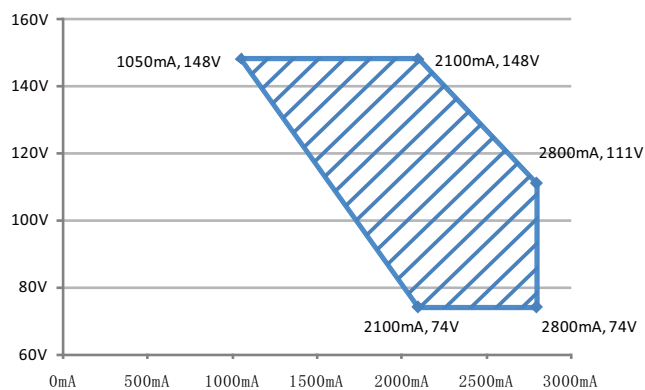
MODEL	XLG-320-L-□	XLG-320-M-□	XLG-320-H-□	XLG-320-V-□	
OUTPUT	RATED CURRENT (Default)	1400mA	2800mA	5600mA	13A/24V
	RATED POWER <small>Note.10</small>	315W	310.8W	312W	24V/312W, 12V/216W
	CONSTANT CURRENT REGION	150~300V	74 ~ 148V	30 ~ 56V	NC
	OUTPUT VOLTAGE ADJ. RANGE	NC	NC	NC	24V or 12V
	FULL POWER CURRENT RANGE	1050~1400mA	2100~2800mA	5570~7420mA	13~18A(24V/13A,12V/18A)
	OPEN CIRCUIT VOLTAGE (max.)	340V	180V	60V	NC
	CURRENT ADJ. RANGE	500~1400mA	1050~2800mA	2800~7420mA	NC
	CURRENT RIPPLE	5.0% max. @rated current	5.0 max. @rated current	5.0% max. @rated current	NC
	CURRENT TOLERANCE	±5%	±5%	±5%	NC
	RIPPLE & NOISE(max.)	NC	NC	NC	240mV p-p
	VOLTAGE TOLERANCE	NC	NC	NC	±3%
	LINE REGULATION	NC	NC	NC	±0.5%
	LOAD REGULATION	NC	NC	NC	±2%
	SET UP TIME <small>Note.9</small>	500ms/230VAC, 1200ms/115VAC			
RISE TIME,HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC(only for V-type)				
INPUT	VOLTAGE RANGE <small>Note.2</small>	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF ≥ 0.98 / 115VAC, PF ≥ 0.95 / 230VAC, PF ≥ 0.92 / 277VAC at full load (Please refer to "Power Factor Characteristic" section)			
	TOTAL HARMONIC DISTORTION	THD < 10% @ load ≥ 50% at 115VAC/230VAC, THD < 15% @ Load > 75% at 277VAC; Please refer to "TOTAL HARMONIC DISTORTION (THD)" section			
	EFFICIENCY (Typ.)	94.5%	93.5%	92.5%	93%
	AC CURRENT (Typ.)	3A / 120VAC	1.6A / 230VAC	1.3A / 277VAC	
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=1200µs measured at 50% Ipeak) at 230VAC; Per NEMA 410			
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	<0.75mA / 277VAC			
	STANDBY POWER CONSUMPTION <small>Note.5</small>	Standby power consumption <0.5W for AB-Type(Dimming OFF)			
PROTECTION	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	350 ~ 380V	190 ~ 220V	63 ~ 78V	27 ~ 34V
	OVER TEMPERATURE <small>Note.11</small>	L/M/H-Type: Tcase>85°C ±5°C ,derate power automatically V-Type: Shut down output voltage, re-power on to recover			
	OVER LOAD <small>Note.10</small>	108~135%(only for V-type) Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed			
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+85°C			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)			
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384; GB19510.1, GB19510.14;EAC TP TC 004; IP67; IS15885(Part2/Sec13)(except for blank type), KC61347-1,KC61347-2-13 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC 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	Parameter	Standard	Test Level / Note	
		Conducted	BS EN/EN55015(CISPR15), GB/T17743	-----	
		Radiated	BS EN/EN55015(CISPR15),GB/T17743	-----	
		Harmonic Current	BS EN/EN61000-3-2, GB/T17625.1	Class C @load≥50%	
	Voltage Flicker	BS EN/EN61000-3-3	-----		
	EMC IMMUNITY	BS EN/EN61547			
		Parameter	Standard	Test Level / Note	
ESD		BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact		
Radiated		BS EN/EN61000-4-3	Level 2		
EFT / Burst		BS EN/EN61000-4-4	Level 3		
Surge		BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth		
Conducted		BS EN/EN61000-4-6	Level 2		
Magnetic Field		BS EN/EN61000-4-8	Level 4		
Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
OTHERS	MTBF	1476.4K hrs min. Telcordia SR-332(Bellcore) ; 168.1 K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	246*77*39.5mm (L*W*H)			
	PACKING	1.45Kg;9pcs/14Kg/0.76CUFT			

BLOCK DIAGRAM**DRIVING METHODS OF LED MODULE**

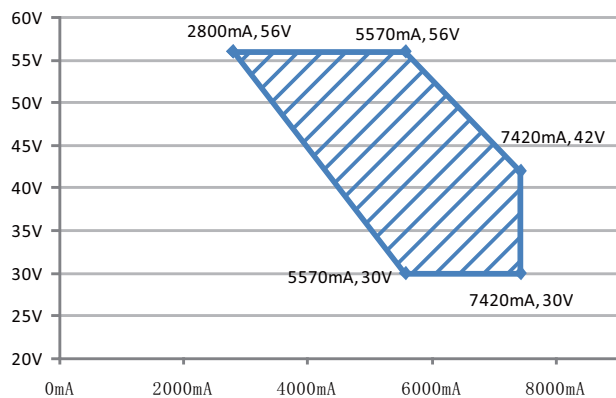
◎ XLG-320-L



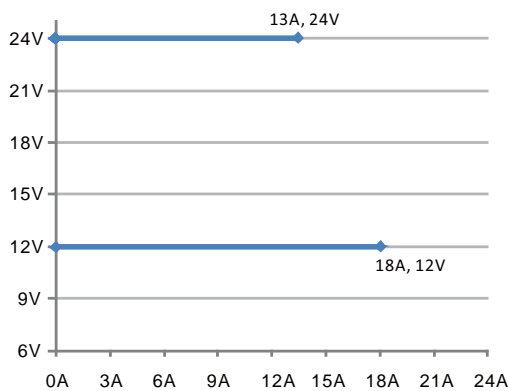
◎ XLG-320-M



◎ XLG-320-H

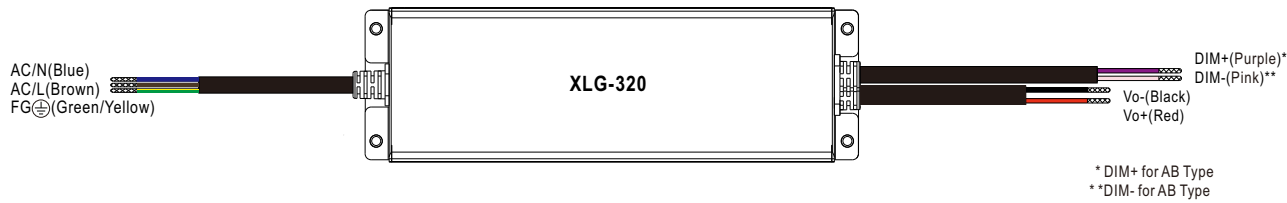


◎ XLG-320-V



※ V type output voltage adjustable via built-in potentiometer

DIMMING OPERATION

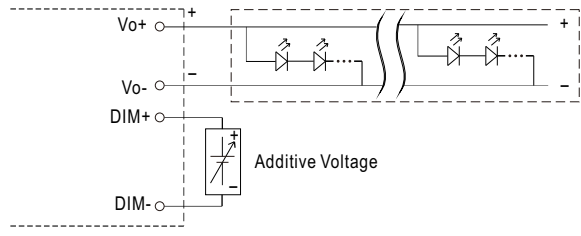


* DIM+ for AB Type
** DIM- for AB Type

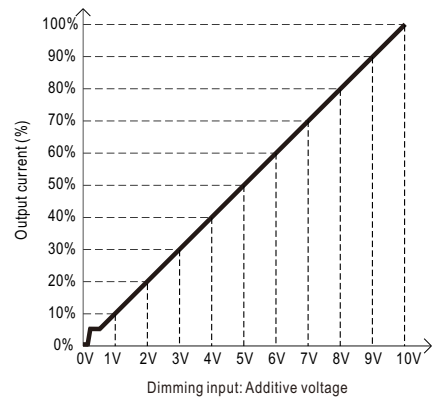
※ 3 in 1 dimming function (for AB-Type)

- 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: 100 μ A (typ.)

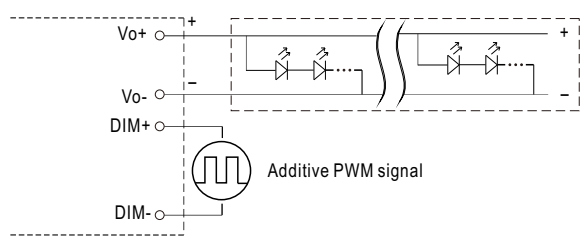
◎ Applying additive 0 ~ 10VDC



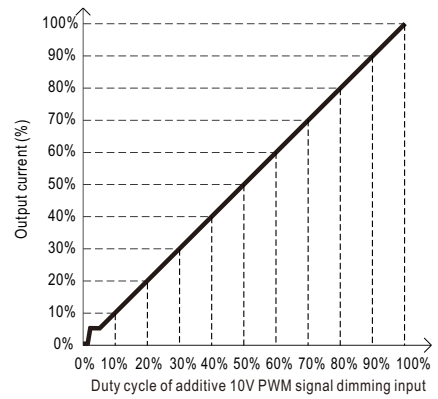
“DO NOT connect "DIM- to Vo-”



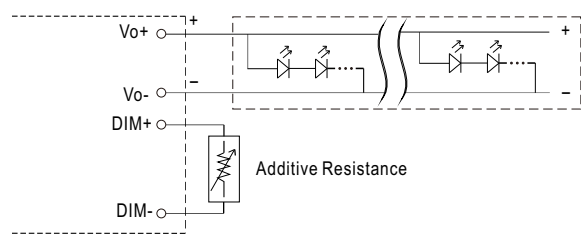
◎ Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):



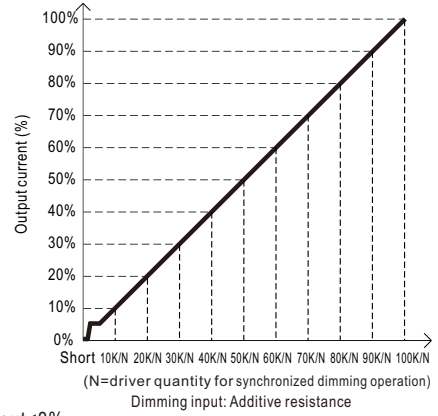
“DO NOT connect "DIM- to Vo-”



◎ Applying additive resistance:

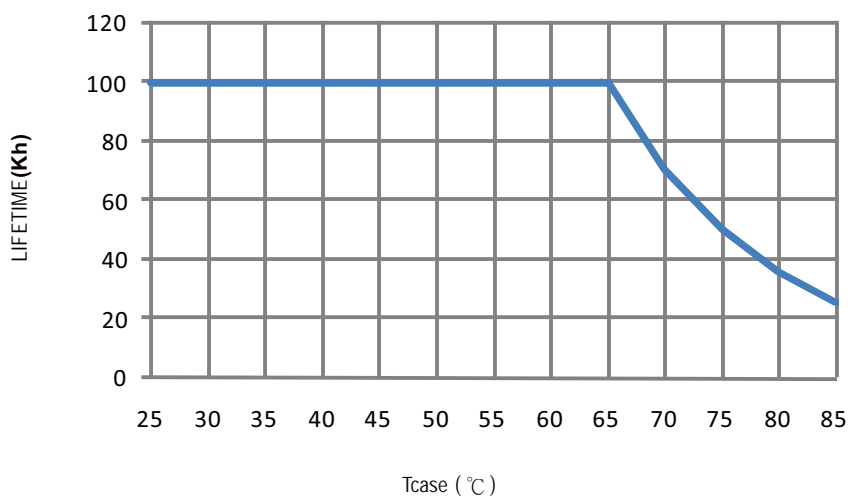


“DO NOT connect "DIM- to Vo-”



Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% < I_{out} < 8%.
2. The output current could drop down to 0% when dimming input is about 0 Ω or 0Vdc, or 10V PWM signal with 0% duty cycle.
3. When PWM frequency >2K HZ, the lighting will be triggered at 10~15% PWM duty .

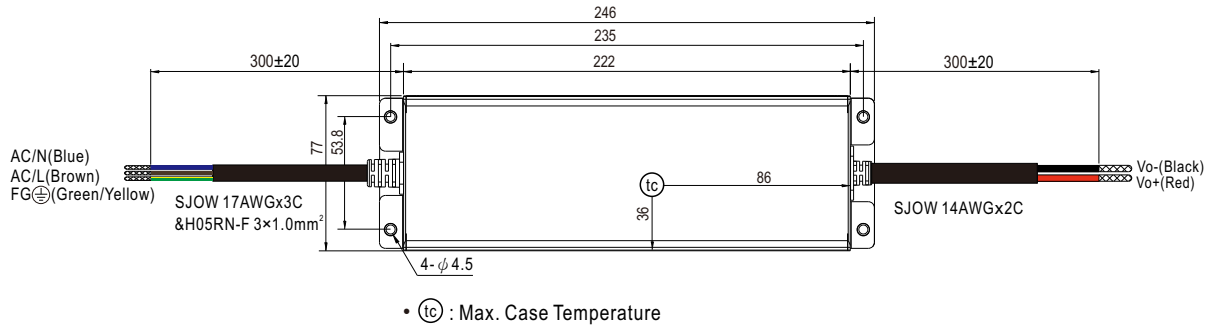
■ LIFE TIME



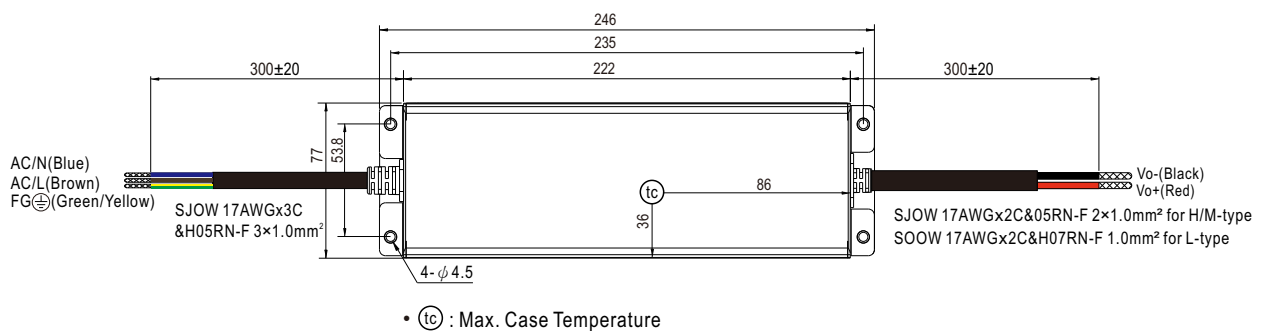
MECHANICAL SPECIFICATION

Case No.:266A Unit:mm

※ V-A-Type



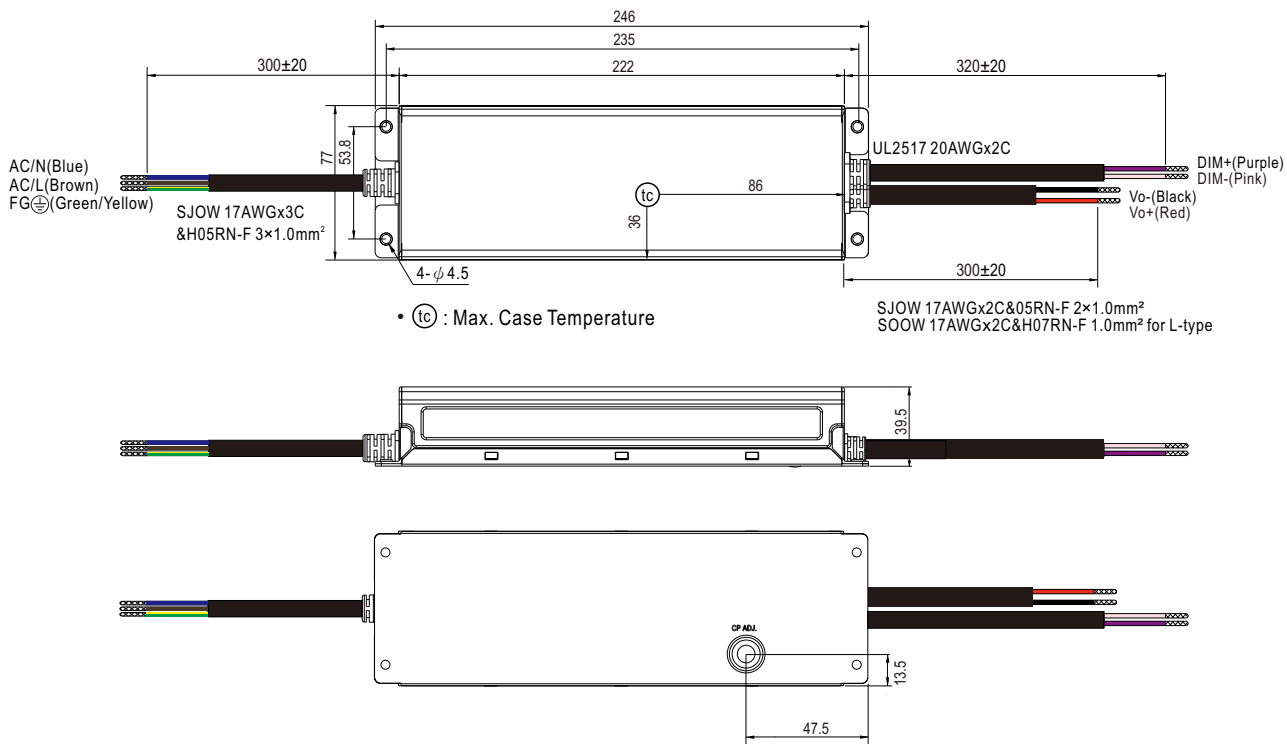
※ H/L/M-A-Type



MECHANICAL SPECIFICATION

Case No.:266A Unit:mm

※ AB-Type

**INSTALLATION MANUAL**Please refer to : <http://www.meanwell.com/manual.html>