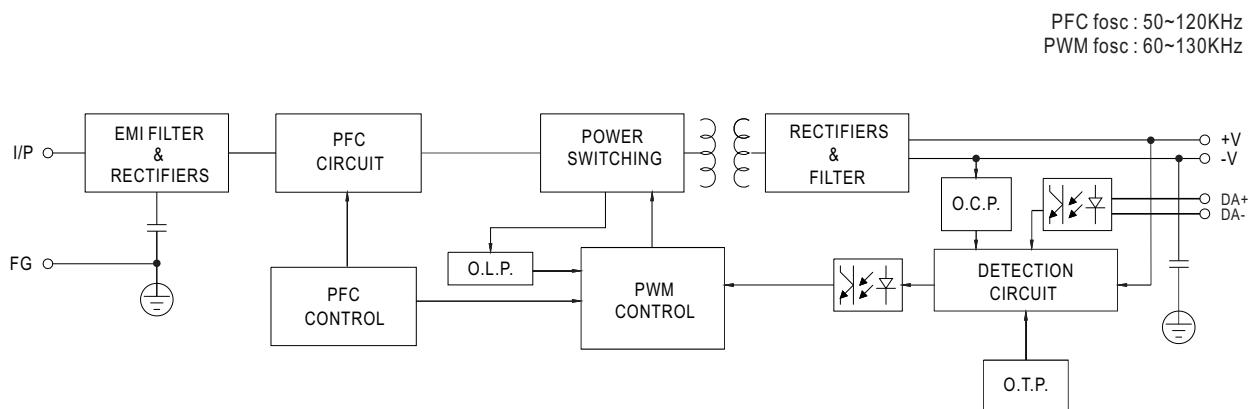


SPECIFICATION

MODEL	XLG-150□-L-□	XLG-150□-M-□	XLG-150□-H-□	
OUTPUT	RATED CURRENT	700mA	1400mA	
	RATED POWER	150W	150W	
	CONSTANT CURRENT REGION Note.2	120 ~214V	60 ~ 107V	
	FULL POWER CURRENT RANGE	700~1050mA	1400~2100mA	
	OPEN CIRCUIT VOLTAGE (max.)	240V	120V	
	CURRENT ADJ. RANGE	(Via the built-in potentiometer)		
		350~1050mA	700~2100mA	
	CURRENT RIPPLE	4.0%(@ full load)		
	CURRENT TOLERANCE	±5%		
INPUT	AUXILIARY DC OUTPUT	12V@250mA tolerance ±10%, ripple 200mVp-p (only for DA2-A-type)		
	SET UP TIME	500ms/230VAC, 1200ms/115VAC		
PROTECTION	VOLTAGE RANGE Note.4	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" and "DRIVING METHODS OF LED MODULE" section)		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF ≥ 0.97 / 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 ,@load ≥ 75% at 277VAC) Please refer to "TOTAL HARMONIC DISTORTION (THD)" section		
	EFFICIENCY (Typ.) Note.14	93%	92.5%	
	AC CURRENT (Typ.)	1.8A / 115VAC 1.0A / 230VAC 0.8A/277VAC		
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=500μs measured at 50% Ipeak) at 230VAC; Per NEMA 410		
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	4 unit(circuit breaker of type B) / 6 units(circuit breaker of type C) at 230VAC		
	LEAKAGE CURRENT	<0.75mA / 277VAC		
ENVIRONMENT	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W (Dimming OFF, Only for standard version DA2-type)		
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed		
	INPUT OVER VOLTAGE Note.7	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage,recovers automatically after fault condition is removed)		
	OVER TEMPERATURE	Stage 1: Derating to 75% loading; stage 2: Derating to 50% loading, recovers automatically after fault condition is removed		
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)		
	MAX. CASE TEMP.	Tcase=+90°C		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing		
	TEMP. COEFFICIENT	± 0.06%/°C (0 ~ 60°C)		
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes		
	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 No. 250.13-12; IEC62386-101,102,207,251,Device type 6(DT6)		
	DALI STANDARDS	Comply with IEC62386-101,102,207,251,Device type 6(DT6)		
	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%
OTHERS	EMC IMMUNITY	Parameter	Standard	Test Level/Note
		Conducted	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
NOTE	MTBF	2316.2Khrs min. Telcordia SR-332 (Bellcore) ; 213.3Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	180*63*35.5mm (L*W*H)		
	PACKING	0.8Kg;16pcs/13.4Kg/0.67CUFT		
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". 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 5. 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. Especially when the temperature inside driver is very high, it will lead to a longer set up time. 6. Based on IEC 62386-101/102 DALI power on timing and interruption regulations, the set up time needs to test with a DALI controller which can support for DALI power on function, otherwise the set up time will be longer than 500ms. 7. Input over voltage only for XLG-150 I series, and I series without UL/CSA certificate. 8. 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. 9. 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). 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com 11. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly $T_{C_{10}}$ point (or TMP, per DLC), is about 75°C or less. 12. Products sourced from the Americas regions may not have the CCC/PSE/BIS/KC logo. Please contact your MEAN WELL sales for more information. 13. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf 14. The efficiency will drop 1% based on auxiliary power version with full load 3W condition. 15. H/M type: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations: L type: RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1 ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx				
File Name:XLG-150-DA2-SPEC 2023-03-28				

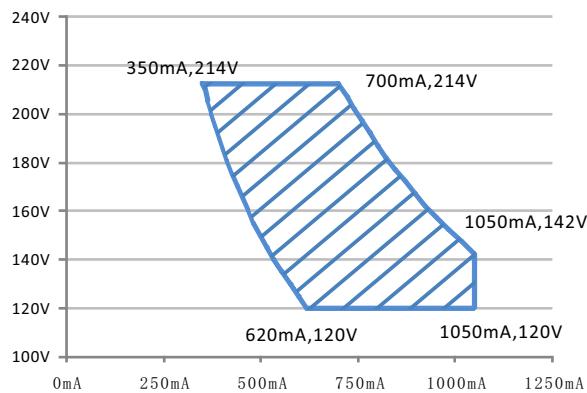
■ BLOCK DIAGRAM



■ DRIVING METHODS OF LED MODULE

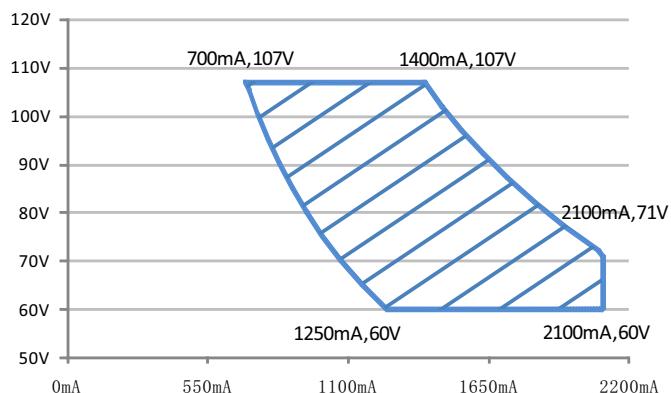
※ I-V Operating Area

◎ XLG-150-L-DA2



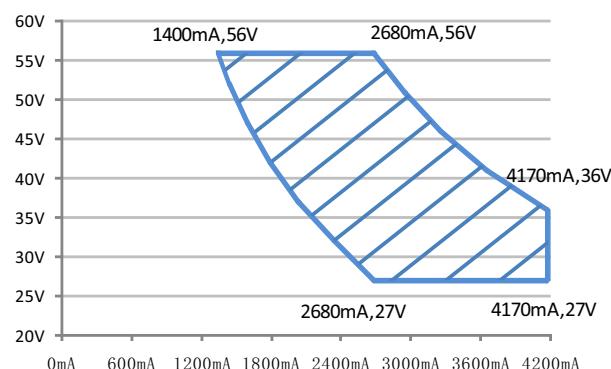
■ Recommend Performance Region

◎ XLG-150-M-DA2



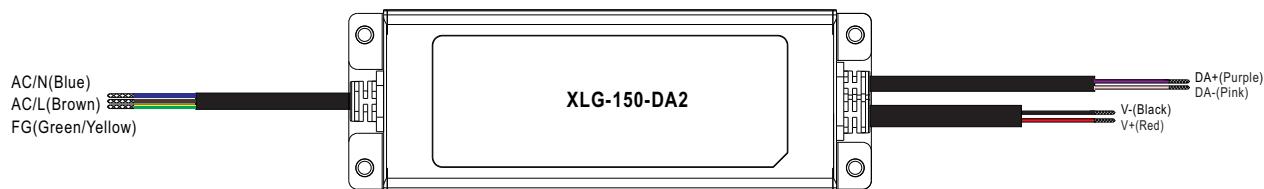
■ Recommend Performance Region

◎ XLG-150-H-DA2



■ Recommend Performance Region

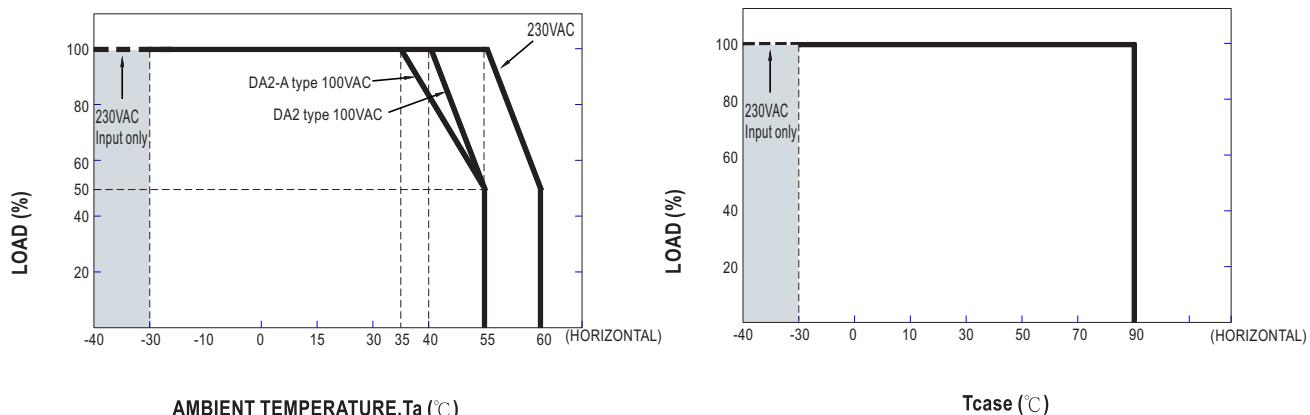
DIMMING OPERATION



※ DALI Interface

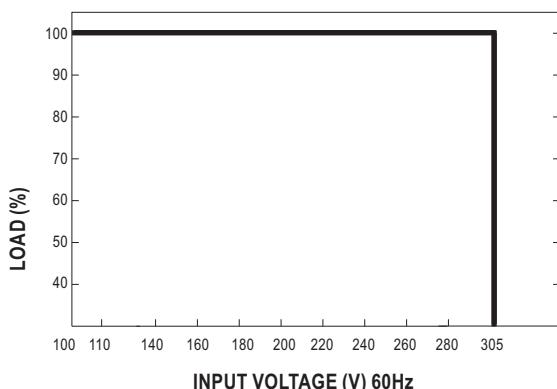
- Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

OUTPUT LOAD vs TEMPERATURE

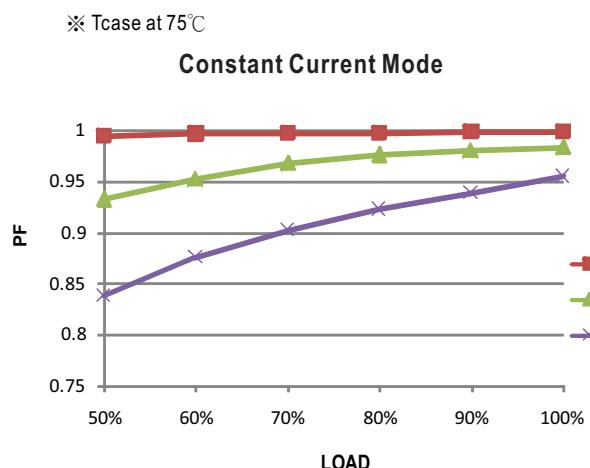


Note: 1. The output current must be derated at ultra-high ambient temperature.
 2. Below 120VAC@-30°C may has restart situation within 5s after power-on.

STATIC CHARACTERISTIC

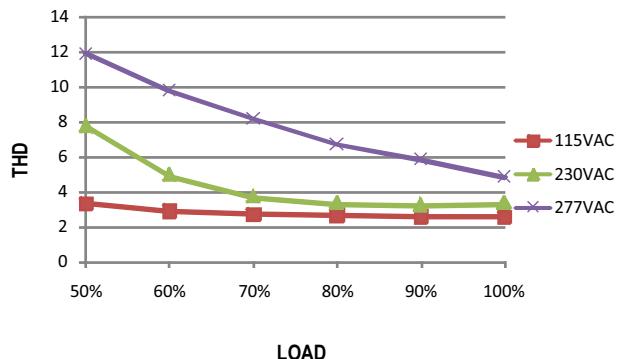


POWER FACTOR (PF) CHARACTERISTIC



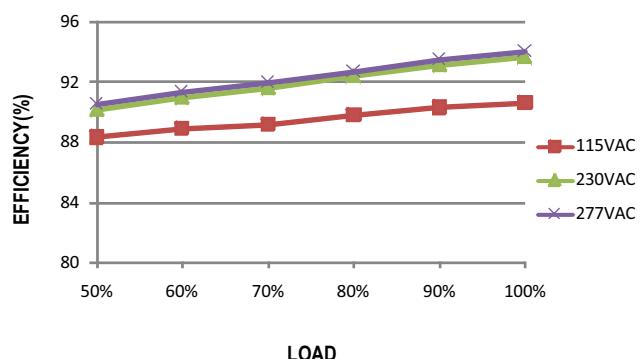
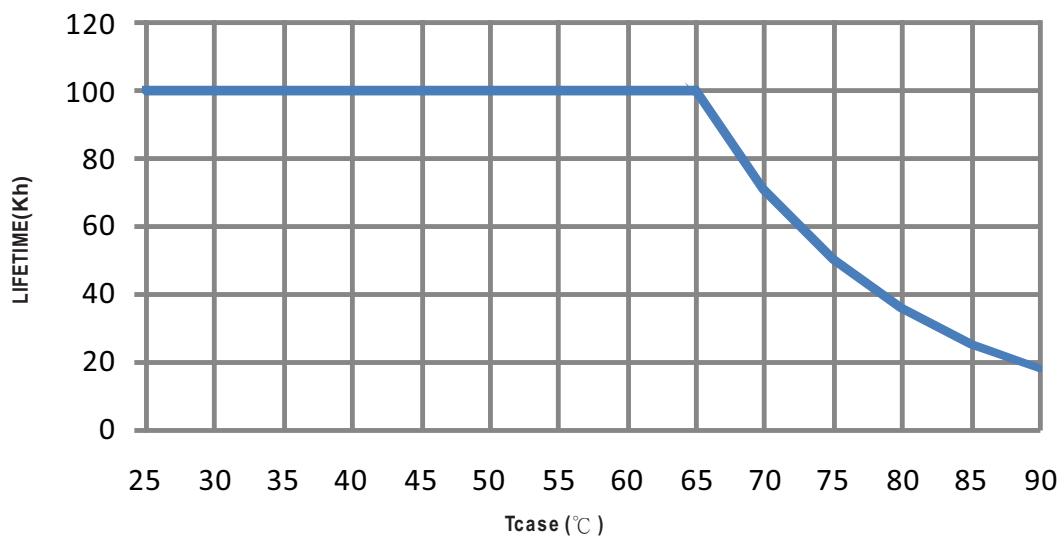
■ TOTAL HARMONIC DISTORTION (THD)

※ XLG-150-L-DA2 Model, Tcase at 75°C


■ EFFICIENCY vs LOAD

XLG-150-DA2 series possess superior working efficiency that up to 93% can be reached in field applications.

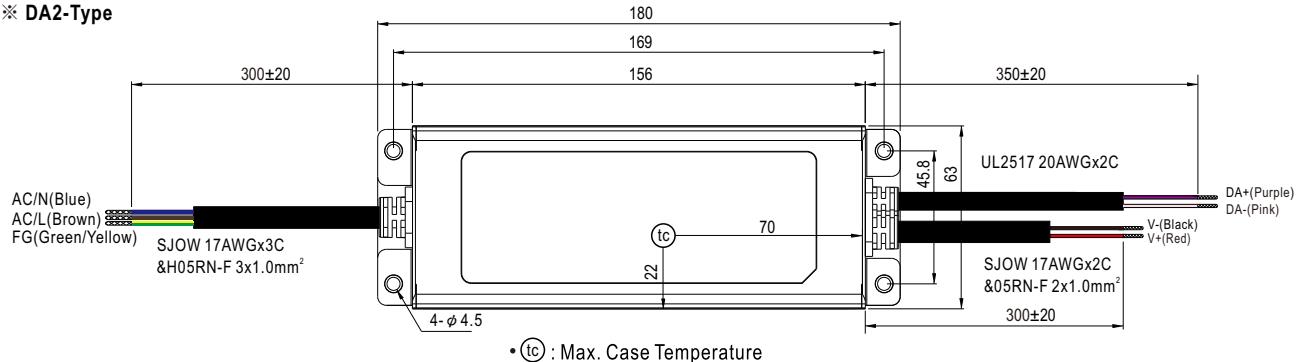
XLG-150-L-DA2 Model, Tcase at 75°C


■ LIFE TIME


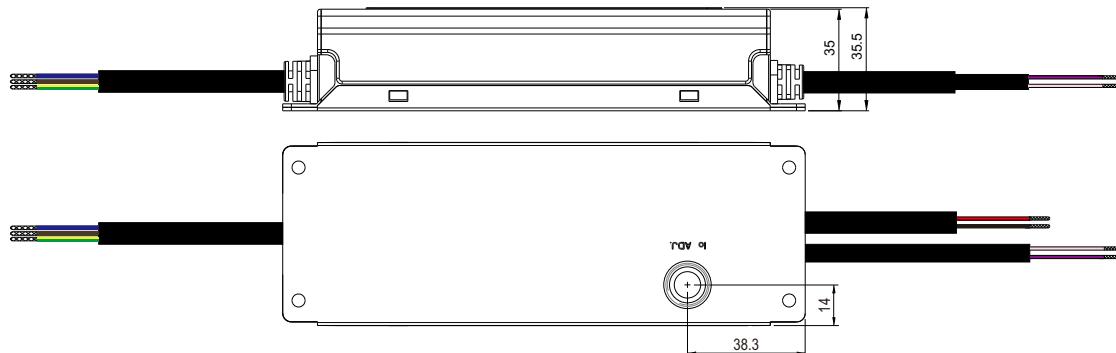
■ MECHANICAL SPECIFICATION

Case No.: 243A Unit:mm

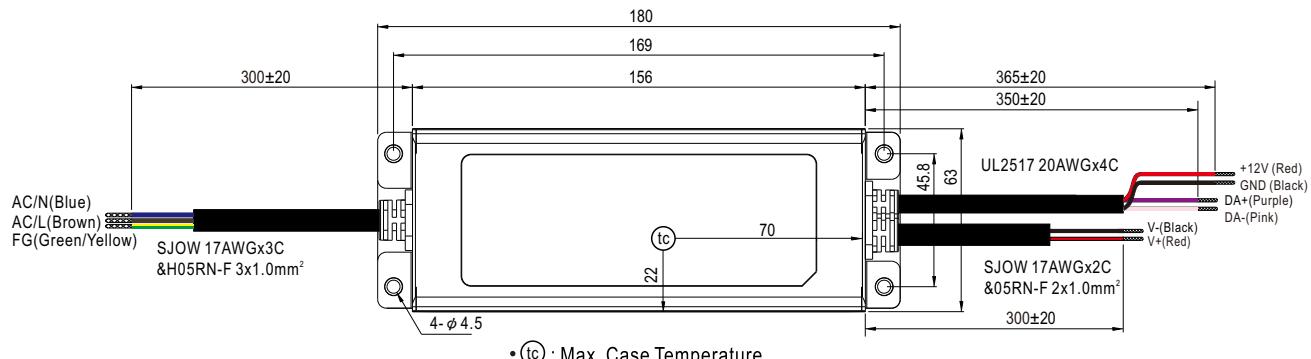
※ DA2-Type



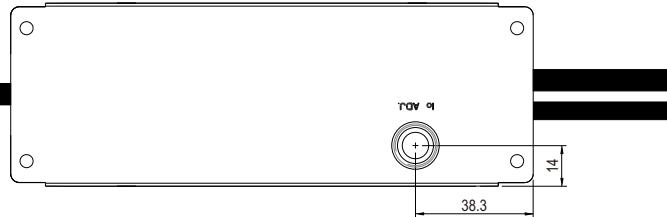
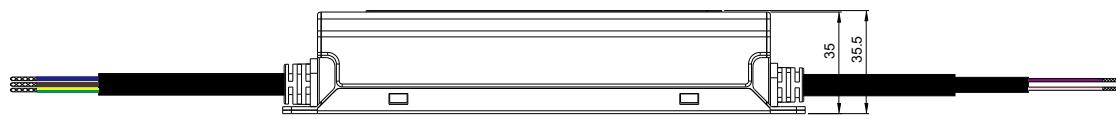
• (tc) : Max. Case Temperature



※ DA2-A-Type



• (tc) : Max. Case Temperature



■ INSTALLATION MANUAL

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