































Features

- Wide input range 100~305V AC(Class I)
- Full power output at 70~100% Constant power mode operation
- · Metal case with IP67, suitable for outdoor application
- Surge protection with 6KV/4KV (10KV/6KV optional)
- 3 in 1 dimming function (Dim to off and Isolation design)
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- Protection functions: OVP/SCP/OCP/OTP
- Life time >50,000 hrs. and 5 years warranty

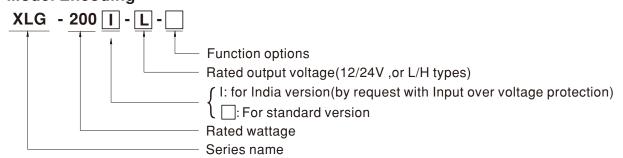
Applications

- · Skyscraper lighting
- Street lighting
- · Floodlight Lighting
- Stage lighting
- · Fishing lighting
- · Horticulture lighting
- · Bay lighting
- DMX power supply
- Type HL for use in class I, Division 2

Description

XLG-200 series is a 200W LED AC/DC driver featuring the constant power mode. XLG-200 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 16A. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40°C ~+90°C case temperature under free air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. Moreover the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. XLG-200 series comply with the latest version of IEC61347/GB7000.1-2015 and UL8750 international safety regulations. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the safety of both user and luminaire system during installation.

Model Encoding



Type	Function	Note
Blank	Io and Vo fixed.(For harsh environment)	By request
Α	lo adjustable via built-in potentiometer	In Stock
AB	Io adjustable via built-in potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock

Note: 1.12V and 24V models without AB type



SPECIFICATION

		XLG-200 -12-	XLG-200]-24- 🗌			
l l	DC VOLTAGE	12V	24V				
	CONSTANT CURRENT REGION Note.2	8.4~ 12V	16.8~ 24V				
	RATED CURRENT	16A	8.3A				
	RATED POWER	192W	199.2W				
	RIPPLE & NOISE (max.) Note.3	150mVp-p	240mVp-p				
	, ,	Adjustable for A-Type only (via the built-in					
l	CURRENT ADJ. RANGE	8 ~ 16A 4.15 ~ 8.3A					
OUTDUT	VOLTAGE TOLERANCE Note.4	±3.0%	±2.0%				
OUTPUT	LINE REGULATION	±0.5% ±0.5%					
	LOAD REGULATION	±2%	±1%				
l	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VAC					
	HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/ 115VAC					
		100 ~ 305VAC 142 ~ 431VDC					
l	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
l	POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF	≥ 0.92/277VAC@full load				
l	TOTAL HARMONIC DISTORTION						
NPUT	EFFICIENCY (Typ.)	THD<10%(@load≧50%/115VC,230VAC; @load≧75%/277VAC) 92% 94%					
01	AC CURRENT						
l	INRUSH CURRENT(Typ.)	2.2A / 115VAC 1.1A / 230VAC 0.9A / 277VAC COLD START 65A(twidth=550µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
	CIRCUIT BREAKER LEAKAGE CURRENT	<0.75mA / 277VAC					
l	NO LOAD	No load nower sensure tier to FIMIL	ar atandard varaina				
	POWER CONSUMPTION	No load power consumption <0.5W(for standard version)					
	OVER CURRENT	95 ~ 108% Hiccup mode or constant current limiting, recovers automatically after fault condition is removed					
l	SHORT CIRCUIT	Hiccup mode or constant current limiting, r	· · · · · · · · · · · · · · · · · · ·				
ROTECTION	SHOKT CIRCUIT	13.5 ~ 18V	27 ~ 34V	ii is removed			
NO I LO I I ON	OVER VOLTAGE			21 - 34 V			
l		Shut down output voltage, re-power on to recover					
	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 Can survive input voltage stress of 440Vac for 48 hours @ tc 75°C max					
l	OVER TEMPERATURE	, ,					
		Shut down output voltage, re-power on to					
	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					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +90°C, 10 ~ 95% RH					
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	$\pm 0.03\%$ /°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for	• • • • • • • • • • • • • • • • • • • •				
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29),	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1	347-2-13 independent, BS EN/EN62384;GB19510.1, 3,IS15885(Part2/Sec13)(for XLG-200I type only);			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);If	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 ² 67 approved	•			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);III UP-O/P:3.75KVAC I/P-FG:2KVAC O	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 ²⁶⁷ approved /P-FG:1.5KVAC	•			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);III I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 267 approved /P-FG:1.5KVAC J0VDC / 25°C / 70% RH	13,IS15885(Part2/Sec13)(for XLG-200I type only);			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);III I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);III I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN55015(CISPR15),GB/T1	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);III I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN55015(CISPR15),GB/T1 BS EN/EN61000-3-2,GB/T17625.1	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker	2; ENEC BS EN/EN61347-1, BS EN/EN613 J61347-2-13(H29),KC61347-1,KC61347-2-1 267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN55015(CISPR15),GB/T1	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);IF I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29),KC61347-1,KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN55015(CISPR15),GB/T1 BS EN/EN61000-3-2,GB/T17625.1 BS EN/EN61000-3-3	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29),KC61347-1,KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN561000-3-2,GB/T17625.1 BS EN/EN61000-3-3 Standard	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29),KC61347-1,KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN561000-3-2,GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-3-3	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T1 BS EN/EN561000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29),KC61347-1,KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN561000-3-2,GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-3-3	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29),KC61347-1,KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN55015(CISPR15),GB/T1 BS EN/EN61000-3-2,GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Test Level/Note Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29),KC61347-1,KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T1 BS EN/EN55015(CISPR15),GB/T1 BS EN/EN61000-3-2,GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-4	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T1 BS EN/EN55015(CISPR15), GB/T1 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Test Level/Note			
EMIC SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T1 BS EN/EN55015(CISPR15), GB/T1 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	Test Level/Note			
EMC	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);If I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-167 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T1 BS EN/EN55015(CISPR15), GB/T1 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Test Level/Note			
EMC PAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);If I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-167 approved //P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T1 BS EN/EN55015(CISPR15), GB/T1 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Test Level/Note			
EMC SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 749.06K hrs min. Telcordia SR-332 (Be 199*63*35.5mm (L*W*H) 0.85Kg;16pcs /14.2Kg /0.72CUFT	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T1 BS EN/EN61000-3-2, GB/T17625-1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 BS EN/EN61000-4-11 BICOre); 200.67Khrs min. MIL-HDBK-	Test Level/Note			
EMC PAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT speciall 2. Please refer to "DRIVING M 3. Ripple & noise are measure 4. Tolerance : includes set up 1 5. De-rating may be needed ur 6. Length of set up the is mee 7. Input over voltage only for X 8. The driver is considered as a complete installation, the fin 9. This series meets the typica 10. Please refer to the warranty 11. The ambient temperature of 12. Products sourced from the	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for UL8750(type"HL"), CSA C22.2 No. 250.13-1 GB19510.14;EAC TP TC 004;J61347-1(H29), NOM-058-SCFI-2017(except for Blank type);II I/P-O/P:3.75KVAC I/P-FG:2KVAC O I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 5f Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 749.06K hrs min. Telcordia SR-332 (Be 199*63*35.5mm (L*W*H) 0.85Kg;16pcs /14.2Kg /0.72CUFT y mentioned are measured at 230VAC inpute at 100 per	2; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(H29), KC61347-1, KC61347-2-1267 approved /P-FG:1.5KVAC DOVDC / 25°C / 70% RH Standard BS EN/EN55015 (CISPR15), GB/T1 BS EN/EN55015 (CISPR15), GB/T1 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-1 Illicore); 200.67Khrs min. MIL-HDBK-11 ATIC CHARACTERISTIC" sections for concountry and the complete installation with final equipment. Since EMC of EMC of the SA certificate. Ination with final equipment. Since EMC of EMC of SC / 1000 mith fan models for SC / 1000. Please contact your NSE/BIS/KC logo. Please contact yo	Test Level/Note 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods 217F (25℃) mperature. 47uf parallel capacitor. details. up time. performance will be affected by the tion again. or TMP, per DLC), is about 75℃ or less. operating altitude higher than 2000m(6500ft). lEAN WELL sales for more information.			

 $\hbox{$\times$ Product Liability Disclaimer: For detailed information, please refer to $https://www.meanwell.com/serviceDisclaimer.aspx}$$

200W Constant Voltage + Constant Current LED Driver

200W Constant Power Mode LED Driver

		XLG-200L	XLG-200 □-H- □				
	RATED CURRENT	700mA	3500mA				
OUTPUT	RATED POWER	200W	200W				
	CONSTANT CURRENT REGION Note.2	142 ~285V	27 ~ 56V				
	FULL POWER CURRENT RANGE	***	3500~5550mA				
	OPEN CIRCUIT VOLTAGE (max.)	300V 60V					
	CURRENT ADJ. RANGE	Adjustable for A/AB-Type only (via the built-in potentiometer)					
	CONNENT ADD. NAMOL	350~1050mA 1750~5550mA					
	CURRENT RIPPLE	3.0%(@ Load≥50% rated voltage)					
	CURRENT TOLERANCE	±5%					
	SET UP TIME Note.4	500ms/230VAC, 1200ms/115VAC					
	VOLTAGE RANGE Note.3	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF≥0.97 / 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					
NPUT	EFFICIENCY (Typ.)	94%	93%				
	AC CURRENT (Typ.)		0.9A / 277VAC				
	INRUSH CURRENT(Typ.)	COLD START 65A(twidth=550µs measured					
	MAX. NO. of PSUs on 16A						
	CIRCUIT BREAKER	3 unit(circuit breaker of type B) / 6 units(circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W for AB-Type(Dimming OFF)(for standard version)					
	SHORT CIRCUIT	Hiccup mode or Constant current limiting	recovers automatically after fault condition is r	emoved			
	SHOKT CIRCUIT	301 ~ 360V	61 ~ 85V	cinoved			
	OVER VOLTAGE	Shut down output voltage, re-power on to					
ROTECTION				overs automatically after fault condition is remo			
	INPUT OVER VOLTAGE Note.5	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is removed. Can survive input voltage stress of 440Vac for 48 hours @ tc 75°C max					
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover					
	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					
IVIRONMENT	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				
		UL8750(type"HL"), CSA C22.2 No. 250.13-1	2; BS EN/ENEC BS EN/EN61347-1, BS EN/EN6134	17-2-13 independent, BS EN/EN62384;GB195			
	SAFETY STANDARDS Note.5	GB19510.14;EAC TP TC 004; J61347-1(H29	9), J61347-2-13(H29),KC61347-1,KC61347-2-13,IS	15885(Part2/Sec13)(for XLG-200I type only);			
		NOM-058-SCFI-2017(except for Blank type);iP67 approved					
AFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC (D/P-FG:1.5KVAC				
MC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/I	EN61000-3-2 Class C (@ load≧50%); BS EN/E	EN61000-3-3			
	EMC IMMUNITY	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) (10K/6KV option)					
		Parameter	Standard	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR15) ,GB/T17743				
	EMC EMISSION	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				
		BS EN/EN61547					
	EMC IMMUNITY	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 3			
		EFT/Burst	BS EN/EN61000-4-4	Level 3			
		Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth(6K/10K op			
		Conducted	BS EN/EN61000-4-6	Level 3			
		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 period			
	MTBF			>95% interruptions 250 periods			
	MIDE		core); 200.67Khrs min. MIL-HDBK-217F (25°	~ <i>)</i>			
TUEDO	DIMENSION	199*63*35.5mm (L*W*H)					
THERS	DIMENSION	,					
	PACKING	0.85Kg;16pcs/14.2Kg/0.72CUFT	ourset and 25°C of				
THERS	PACKING	0.85Kg;16pcs/14.2Kg/0.72CUFT entioned are measured at 230VAC input, rated	current and 25℃ of ambient temperature.				

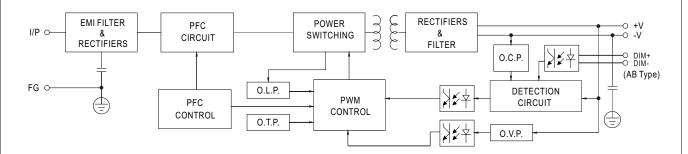
- 6. I he driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
 7. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75℃ or less.
 8. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com
 9. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).
 10. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to To fulfill requirements of the latest ErP regulation for lighting instures, this LEU driver can only be used berning a switch without permanently connected to the mains.
 Products sourced from the Americas regions may not have the CCC/PSE/BIS/KC logo. Please contact your MEAN WELL sales for more information.
 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

 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 To fulfill requirements of the latest ErP regulation for lighting future, this LED driver can only be used behind a switch without permanently connected to the mains.
 If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details.
 Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



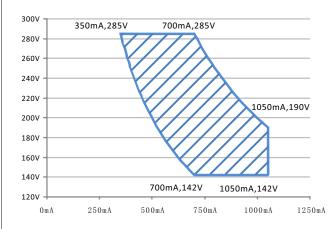
■ BLOCK DIAGRAM

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

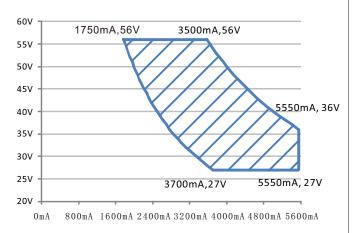


■ DRIVING METHODS OF LED MODULE

% I-V Operating Area



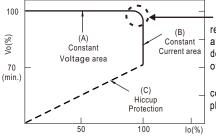
Recommend Performance Region



Recommend Performance Region

XLG-200-12,24

** 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.



 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 please contact MEAN WELL.

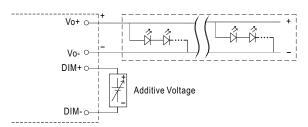
Typical output current normalized by rated current (%)

■ DIMMING OPERATION



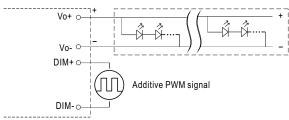
※ 3 in 1 dimming function (for AB-Type)

- 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.)



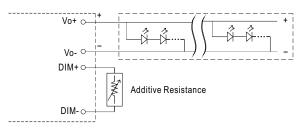
"DO NOT connect "DIM- to Vo-"

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

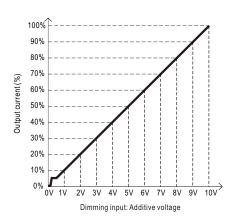


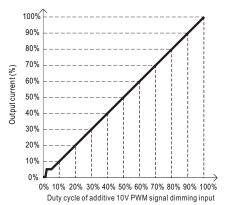
"DO NOT connect "DIM- to Vo-"

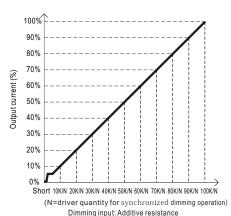
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





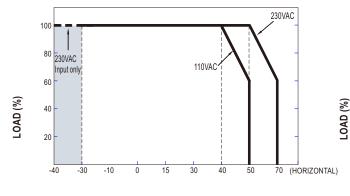


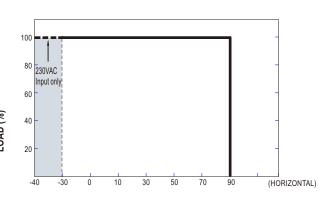
Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%.

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.



■ OUTPUT LOAD vs TEMPERATURE



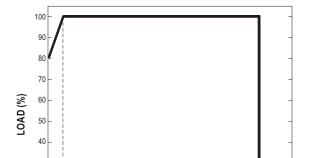


AMBIBS EN/ENT TEMPERATURE, Ta (°C)

Tcase (°C)

If XLG-200 operates in Constant Power mode with the rated current the maximum workable Ta is 50° C (Typ. 230VAC) or 40° C (typ.110VAC) Below 110VAC@30 $^{\circ}$ C may retry to 2nd setup

■ STATIC CHARACTERISTIC



INPUT VOLTAGE (V) 60Hz

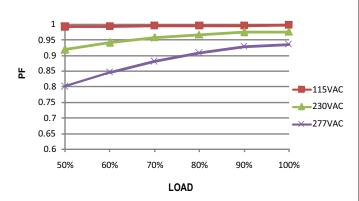
180 200 220 240 260 280

■ POWER FACTOR (PF) CHARACTERISTIC

※ Tcase at 75°

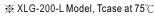
C

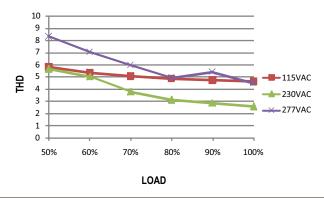
Constant Current Mode



■ TOTAL HARMONIC DISTORTION (THD)

100 110



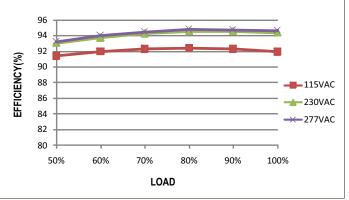


■ EFFICIENCY vs LOAD

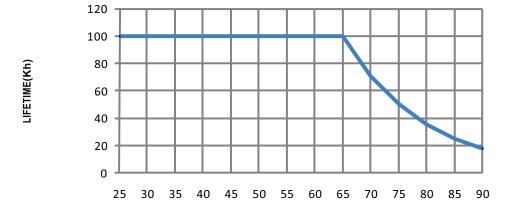
XLG-200 series possess superior working efficiency that up to 94% can be reached in field applications.

※ XLG-200-L Model, Tcase at 75

°C

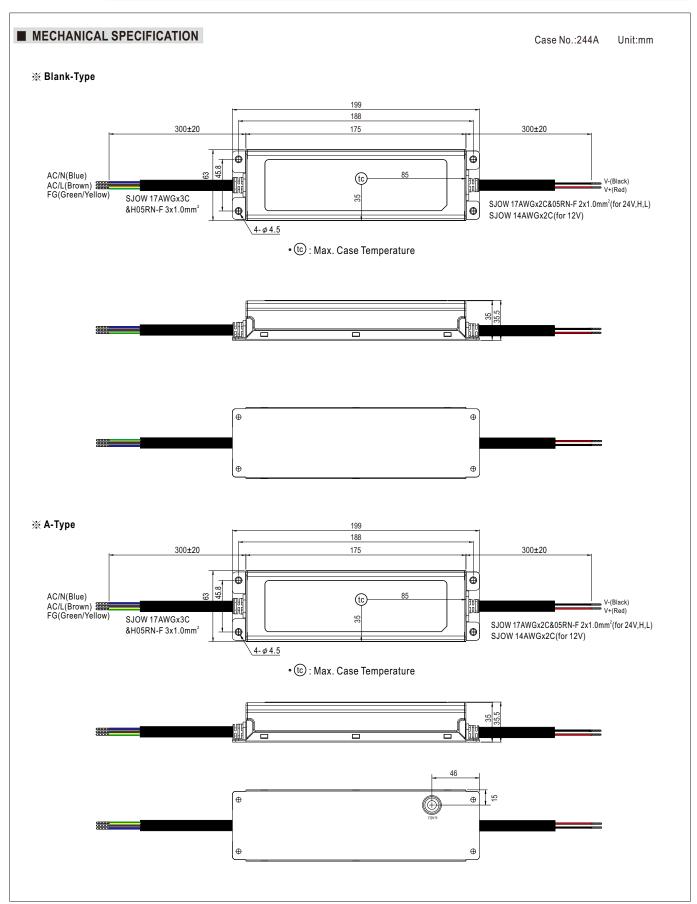


■ LIFE TIME

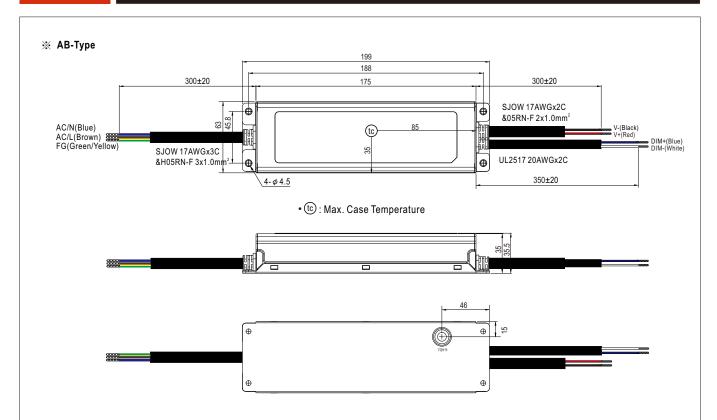


Tcase (°€)









■ INSTALLATION MANUAL

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