





























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

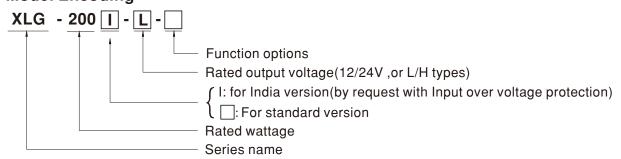
GTIN CODE

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

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/GB19510.1 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	lo 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

2.India version needs MOQ for production, please consult MEANWELL for detail



SPECIFICATION

200W Constant Voltage + Constant Current LED Driver

MODEL		XLG-200 -12-	XLG-200	24			
DC VOLTAGE		12V	24V				
	CONSTANT CURRENT REGION Note.2	8.4~ 12V	16.8~ 24V				
	RATED CURRENT (Default)	16A	8.3A				
	RATED POWER	192W	199.2W				
	RIPPLE & NOISE (max.) Note.3		240mVp-p				
	CURRENT ADJ. RANGE	Adjustable for A-Type only (via the built-in potentiometer)					
OUTPUT		8 ~ 16A	4.15 ~ 8.3A				
	VOLTAGE TOLERANCE Note.4						
	LINE REGULATION	±0.5%	±0.5%				
	LOAD REGULATION	±2% ±1%					
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VAC					
	HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/ 115VAC					
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC					
		(Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR	$PF \!\! \ge \! 0.97/115 VAC, PF \!\! \ge \! 0.95/230 VAC, PF \!\! \ge \! 0.92/277 VAC \!\! \oplus \! full load$					
	TOTAL HARMONIC DISTORTION	THD<10%(@load≧50%/115VC,230VAC; @load≧75%/277VAC)					
NPUT	EFFICIENCY (Typ.)	92% 94%					
	AC CURRENT	2.2A / 115VAC 1.1A / 230VAC 0.9A / 277VAC					
	INRUSH CURRENT(Typ.)	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	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
	NO LOAD						
	POWER CONSUMPTION	No load power consumption <0.5W(for standard version)					
		95 ~ 108%					
	OVER CURRENT	Hiccup mode or constant current limiting, recovers automatically after fault condition is removed					
	SHORT CIRCUIT	Hiccup mode or constant current limiting, recovers automatically after fault condition is removed					
ROTECTION		13.5 ~ 18V	27 ~ 34V				
	OVER VOLTAGE	Shut down output voltage, re-power on	to recover				
	INDUT OVER VOLTAGE	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is remove					
	INPUT OVER VOLTAGE Note.7	Can survive input voltage stress of 440 Vac for 48 hours					
	OVER TEMPERATURE	Shut down output voltage, re-power on	to recover				
	WORKING TEMP.		ITPUT LOAD vs TEMPERATURE" section	1)			
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 95% RH					
MAINOMILIAI	TEMP. COEFFICIENT						
	VIBRATION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period for	72min acah alang V V 7 ayas				
	VIDICATION	• • • • • • • • • • • • • • • • • • • •		40.47 0.40 in the content DO ENVENIONAL ORANGA 4			
	SAFETY STANDARDS Note.7	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;J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13, IS15885(Part2/Sec13)(for XLG-200I type only); NOM-058-SCFI-2017(except for Blank type);IP67 approved					
MC SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC	O/P-FG:1 5KVAC				
DAFEIIO	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 5					
		Parameter	Standard	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR15) ,GB/T				
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15) ,GB/T				
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2 ,GB17625.1	Class C @load≥50%			
			BS EN/EN61000-3-2 ,GB17023.1				
		Voltage Flicker BS EN/EN61547	B3 EIV/EIN01000-3-3				
			Ctondond	Took Love I/Note			
		Parameter	Standard BC EN/EN/C4000 4 2	Test Level/Note			
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact			
	EMC IMMUNITY	Radiated	BS EN/EN61000-4-3	Level 3			
	EMC IMMUNITY	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 periods			
	MTBF	>93% Interruptions 230 periods					
THERS		2300.1K hrs min. Telcordia SR-332 (Bellcore); 200.7Khrs min. MIL-HDBK-217F (25°C)					
TITLING	DIMENSION	199*63*35.5mm (L*W*H)					
ЮТЕ	PACKING 0.85Kg;16pcs /14.2Kg /0.75CUFT 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. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 4. Tolerance : includes set up tolerance, line regulation and load regulation. 5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 6. 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. 7. Input over voltage only for XLG-200 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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 9. 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. 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com 11. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fanless models for operating altitude higher than 2000m(6500ft).						

11. 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).

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. To fulfill requirements of the latest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains.

15. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details. ${\color{blue} \%}\ Product\ Liability\ Disclaimer:\ For\ detailed\ information,\ please\ refer\ to\ https://www.meanwell.com/serviceDisclaimer.aspx$ File Name:XLG-200-SPEC 2024-03-12

200W Constant Power Mode LED Driver

MODEL		XLG-200L	XLG-200 □-H- □				
	RATED CURRENT (Default)	700mA	3500mA				
ОИТРИТ	RATED POWER	200W	200W				
	CONSTANT CURRENT REGION Note.2	142 ~285V	27 ~ 56V				
	FULL POWER CURRENT RANGE	700~1050mA	3500~5550mA				
	OPEN CIRCUIT VOLTAGE (max.)	300V	60V				
	CURRENT ADJ. RANGE	Adjustable for A/AB-Type only (via the buil	t-in potentiometer)				
	CORRENT ADJ. RANGE	350~1050mA	1750~5550mA				
	CURRENT RIPPLE	3.0%(@ Load≥50% rated voltage)					
	CURRENT TOLERANCE	$\pm 5\%$					
	SET UP TIME Note.4	500ms/230VAC, 1200ms/115VAC					
	VOLTAGE RANGE Note.3	100 ~ 305VAC 142VDC ~ 431VDC					
	VOLIAGE NAME NOTE.S	(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	$PF \ge 0.97 / 115VAC$, $PF \ge 0.95 / 230VAC$, $PF \ge 0.92 / 277VAC$ at full load					
	TOWERTACTOR (Typ.)	(Please refer to "Power Factor Characteristic" section)					
	TOTAL HARMONIC DISTORTION	THD< 10% (@ load ≥ 50% at 115VAC/23	,				
	TO TALL TO ALL THE CONTROL DIO TO ALL THE CONTROL	Please refer to "TOTAL HARMONIC DISTORTION (THD)" section					
INPUT	EFFICIENCY (Typ.)	94%	93%				
	AC CURRENT (Typ.)		I.9A / 277VAC				
	INRUSH CURRENT(Typ.)	COLD START 65A(twidth=550µs measured at 50% lpeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A	3 unit(circuit breaker of type B) / 6 units(circuit breaker of type C) at 230VAC					
	CIRCUIT BREAKER	, , , , ,					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY	Standby power consumption <0.5W f	or AB-Type(Dimming OFF)(for standard v	ersion)			
	POWER CONSUMPTION	Ctamas, pontor consumption order in	57712 1)po(2				
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
	OVER VOLTAGE	301 ~ 360V 61 ~ 85V					
PROTECTION	OVER VOLIAGE	Shut down output voltage, re-power on to recovery					
	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					
	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					
ENVIRONMENT	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)	70				
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for	• • • • • • • • • • • • • • • • • • • •				
		UL8750(type"HL"), CSA C22.2 No. 250.13-12; BS EN/ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384; GB19510.1					
	CAEETV CTANDADDC Note E	OD40540 44 540 TD TO 004 104047 4/1100)	104047.0.40(1100) 1/004047.4.1/004047.0.40.104				
	SAFETY STANDARDS Note.5	OB 10010.11, E/10 11 10 001, 001011 1(1120)	, J61347-2-13(H29),KC61347-1,KC61347-2-13,IS1				
		NOM-058-SCFI-2017(except for Blank type);IF	P67 approved				
	WITHSTAND VOLTAGE	NOM-058-SCFI-2017(except for Blank type);IF I/P-O/P:3.75KVAC I/P-FG:2KVAC O/	P67 approved /P-FG:1.5KVAC				
SAFETY & EMC	WITHSTAND VOLTAGE ISOLATION RESISTANCE	NOM-058-SCFI-2017(except for Blank type);IF I/P-0/P:3.75KVAC	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH	5885(Part2/Sec13)(for XLG-200I type only);			
	WITHSTAND VOLTAGE	NOM-058-SCFI-2017(except for Blank type);IF I/P-0/P:3.75KVAC	P67 approved /P-FG:1.5KVAC	5885(Part2/Sec13)(for XLG-200I type only);			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load≧50%); BS EN/E Standard	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load≧50%); BS EN/E	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load≥50%); BS EN/E Standard BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN61000-3-2 ,GB17625.1	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load≥50%); BS EN/E Standard BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN61000-3-2 ,GB17625.1	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3	5885(Part2/Sec13)(for XLG-200I type only); N61000-3-3 Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 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/EN61000-4-5	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 3 Level 3 Level 3 Level 3 Level 3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load≥50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION EMC IMMUNITY	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 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 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact 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			
ЕМС	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION EMC IMMUNITY	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2300.1K hrs min. Telcordia SR-332 (Be	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load≥50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact 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			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION EMC IMMUNITY	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 / 5 Compliance to BS EN/EN55015, BS EN/EI Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	P67 approved /P-FG:1.5KVAC 500VDC / 25°C / 70% RH N61000-3-2 Class C (@ load ≥ 50%); BS EN/E Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 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 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	N61000-3-3 Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact 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			

- 2. Please refer to "DRIVING METHODS OF LED MODULE".

 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. Input over voltage only for XLG-200 I series and I series without UL/CSA certificate.

 6. 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.

 (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

 7. 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.

 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°C/1000m with fanless models and of 5°C/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 the mains.

- the mains.

 11. Products sourced from the Americas regions may not have the CCC/PSE/BIS/KC logo. Please contact your MEAN WELL sales for more information.

 12. 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

 13. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

 14. To fulfill requirements of the latest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains.

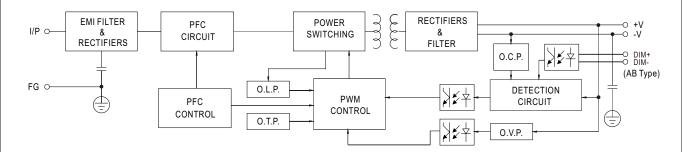
 15. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details.

 15. Product I lability Discipling*: Ere detailed information, please refer to biths: //www.meanwell.com/service/Discipling* as xxx.
- X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



■ BLOCK DIAGRAM

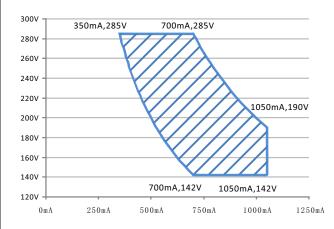
PFC fosc: 50~120KHz PWM fosc: 60~130KHz



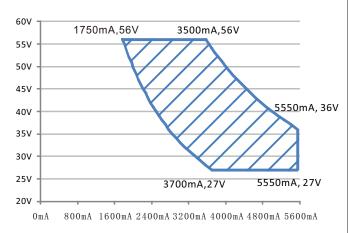
■ DRIVING METHODS OF LED MODULE

% I-V Operating Area

XLG-200-L



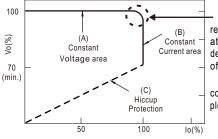
Recommend Performance Region



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 (%)

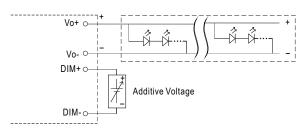
MEAN WELL

■ DIMMING OPERATION



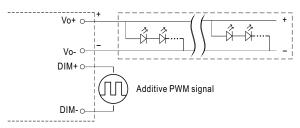
※ 3 in 1 dimming function (for AB-Type)

- 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.)



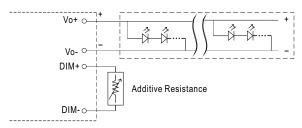
"DO NOT connect "DIM- to Vo-"

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

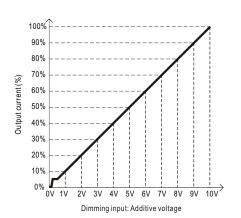


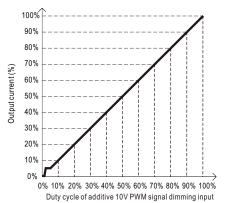
"DO NOT connect "DIM- to Vo-"

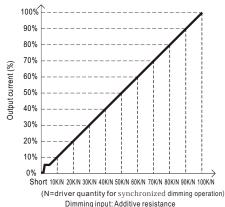
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





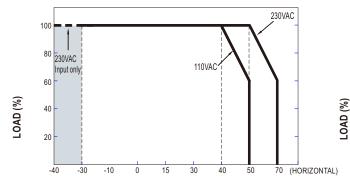


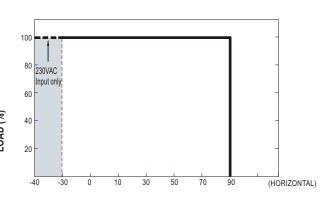
Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% I out <8%.

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 $50\,^{\circ}\mathrm{C}$ (Typ. 230VAC) or $40\,^{\circ}\mathrm{C}$ (typ.110VAC) Below 110VAC@30°C may retry to 2nd setup

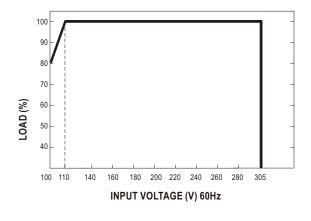
■ STATIC CHARACTERISTIC

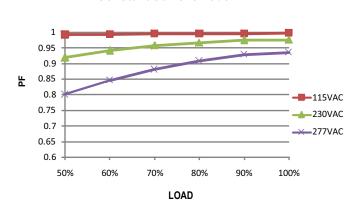
■ POWER FACTOR (PF) CHARACTERISTIC

※ Tcase at 75°

C

Constant Current Mode





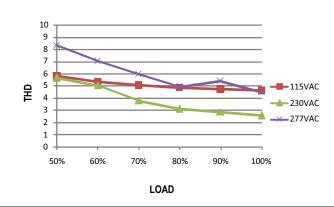
■ TOTAL HARMONIC DISTORTION (THD)

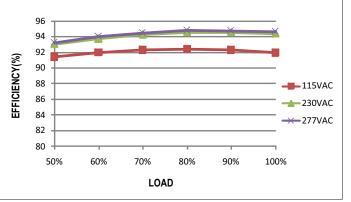
■ EFFICIENCY vs LOAD

※ XLG-200-L Model. Tcase at 75°C

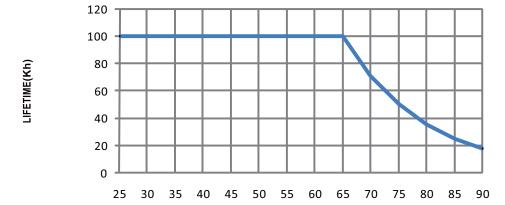
XLG-200 series possess superior working efficiency that up to 94% can be reached in field applications.

※ XLG-200-L Model. Tcase at 75°C



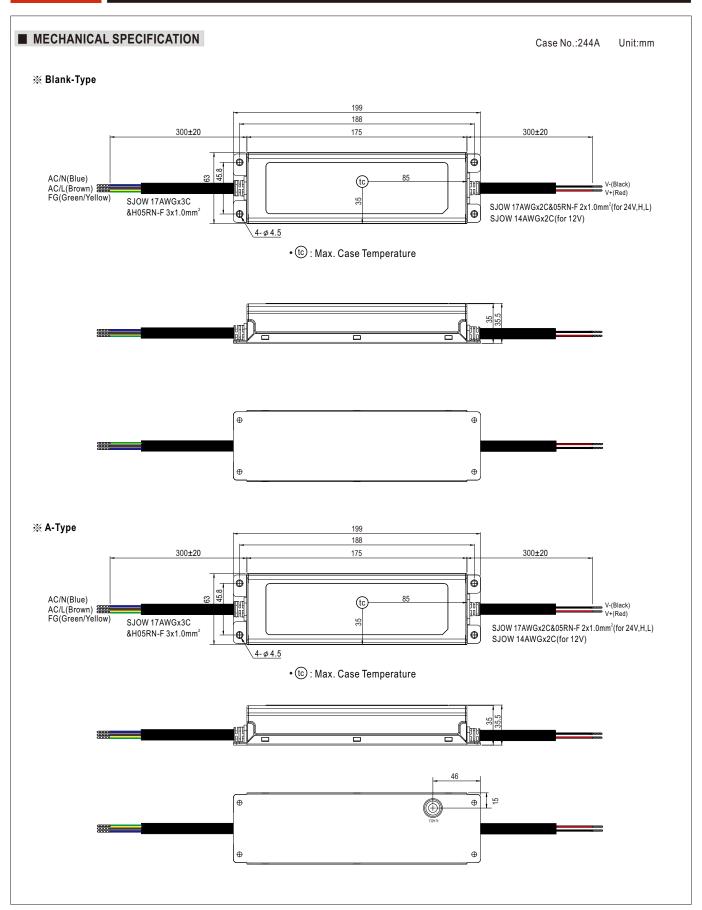


■ LIFE TIME

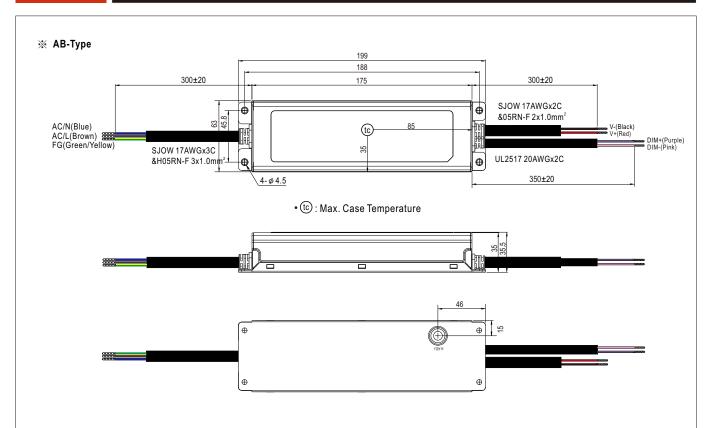


Tcase (°€)

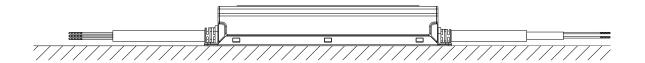








■ Recommend Mounting Direction



■ INSTALLATION MANUAL

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