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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

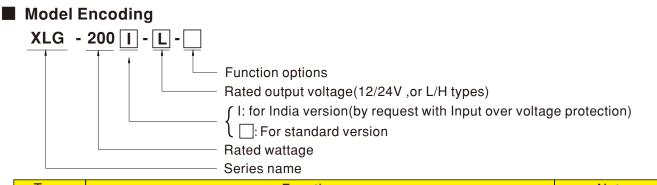
- Skyscraper lighting
- Street lighting
- Floodlight Lighting
- · Stage lighting
- Fishing lighting
- Horticulture lighting
- Bay lighting
- DMX power supply
- Type HL for use in class I, Division 2

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 $-40^{\circ}C + 90^{\circ}C$ 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.



Туре	Function	Note
Blank	Io and Vo fixed.(For harsh environment)	By request
A	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

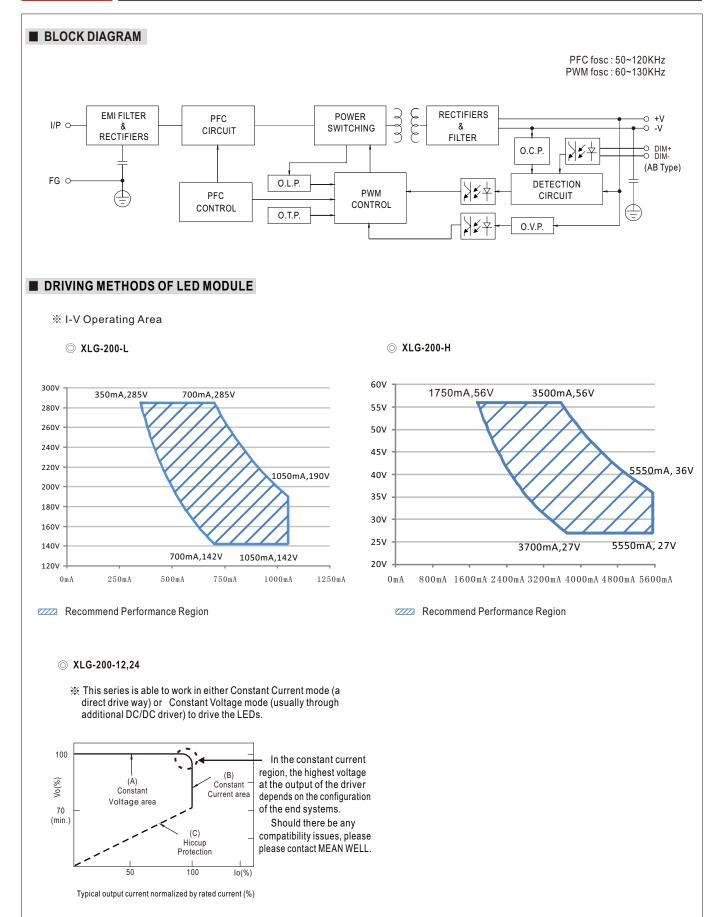
MODEL		XLG-200 -12- 🗌		XLG-200 -24-				
	DC VOLTAGE	12V		24V				
	CONSTANT CURRENT REGION Note.2	8.4~ 12V		16.8~ 24V				
	RATED CURRENT (Default)	16A		8.3A				
	RATED POWER	192W		199.2W				
	RIPPLE & NOISE (max.) Note.3	150mVp-p		240mVp-p				
		Adjustable for A-Type only (via the built-in	potentiometer)	· F F				
	CURRENT ADJ. RANGE	8~16A	potentioniotory	4.15 ~ 8.3A				
	VOLTAGE TOLERANCE Note.4	±3.0%		±2.0%				
OUTPUT		±0.5%		±0.5%				
		±2%						
	LOAD REGULATION			±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						
	VOLIAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR	PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC@full load						
	TOTAL HARMONIC DISTORTION	THD<10%(@load≧50%/115VC,230VAC; @load≧75%/277VAC)						
INPUT	EFFICIENCY (Typ.)	92% 94%						
	AC CURRENT	2.2A / 115VAC 1.1A / 230VAC 0.9A/277VAC						
	INRUSH CURRENT(Typ.)			Dor NEMA 410				
		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						
	NO LOAD	No load nower consumption <0 EW/fo	or standard version)					
	POWER CONSUMPTION	No load power consumption <0.5W(for standard version)						
		95 ~ 108%						
	OVER CURRENT	Hiccup mode or constant current limiting, r	ecovers automatically after	r fault condition is remo	oved			
	SHORT CIRCUIT	Hiccup mode or constant current limiting, n						
PROTECTION	SHOKT CIRCOIL	13.5 ~ 18V	ecovers automatically alter	27 ~ 34V	weu			
ROIECTION	OVER VOLTAGE			21~340				
		Shut down output voltage, re-power on to						
	INPUT OVER VOLTAGE Note.7			s protection voltage, reco	overs automatically after fault condition is remov			
		Can survive input voltage stress of 440Vac for 48 hours						
	OVER TEMPERATURE	Shut down output voltage, re-power on to	orecover					
	WORKING TEMP.	Tcase=-40 ~ +90 $^\circ\mathrm{C}$ (Please refer to " OUT	PUT LOAD vs TEMPERAT	URE" section)				
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	· · · · · · · · · · · · · · · · · · ·						
	,	-40 ~ +80°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for	72min. each along X, Y, Z a	axes				
	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						
EMC								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50			1			
		Parameter	Standard		Test Level/Note			
		Conducted	BS EN/EN55015(CISF	GB/T 17743, (GB/T 17743				
	EMC EMISSION	Radiated	BS EN/EN55015(CISF	PR15) ,GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-2,	GB17625.1	Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-3					
		BS EN/EN61547						
		Parameter	Standard		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			
		EFT/Burst	BS EN/EN61000-4-4		Level 3			
		Surge	BS EN/EN61000-4-5		4KV/Line-Line 6KV/Line-Earth(6K/10K option)			
		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,			
		• • •			>95% interruptions 250 periods			
	MTBF		llcore); 200.7Khrs min.	MIL-HDBK-217F (25°	C)			
OTHERS	DIMENSION	199*63*35.5mm (L*W*H)						
	PACKING	0.85Kg;16pcs /14.2Kg /0.75CUFT						
IOTE		mentioned are measured at 230VAC input	ut, rated current and $25^\circ\!\mathbb{C}$	of ambient temperatur	е.			
		. Please refer to "DRIVING METHODS OF LED MODULE".						
	 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 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.							
	 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. 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 stateme	nt en.pdf)					
		ical life expectancy of >50,000 hours of operation when Tcase, particularly (t͡c) point (or TMP, per DLC), is about 75℃ or less. anty statement on MEAN WELL's website at http://www.meanwell.com						
	11. The ambient temperature d	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	poducts sourced from the Americas regions may not have the CCC/PSE/BIS/KC logo. Please contact your MEAN WELL sales for more information.						
		application note and IP water proof function installation caution, please refer our user manual before using. ww.meanwell.com/Upload/PDF/LED_EN.pdf						
	14. To fulfill requirements of the	the latest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains.						
		(co) certificate, Please contact MEAN WELL sales representative for details. : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:XLG-200-SPEC 2024-03-1						



SPECIFICATION

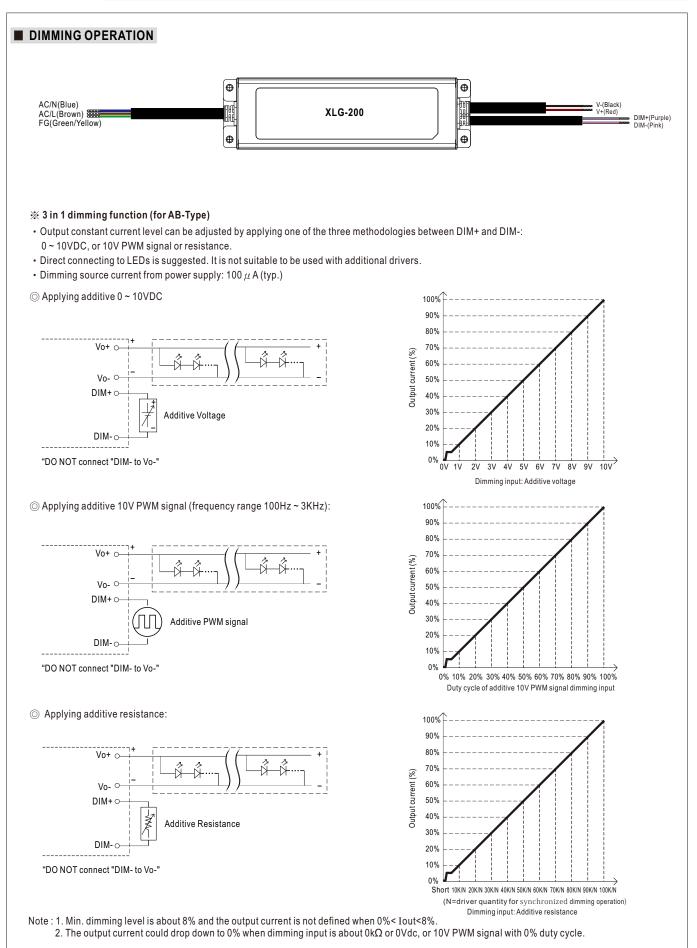
MODEL		XLG-200 -L-		KLG-200 🗌 -H- 🗌				
	RATED CURRENT (Default)	700mA	:	3500mA				
-	RATED POWER	200W		200W				
	CONSTANT CURRENT REGION Note.2	142 ~285V	:	27 ~ 56V				
	FULL POWER CURRENT RANGE	700~1050mA	:	3500~5550mA				
OUTPUT	OPEN CIRCUIT VOLTAGE (max.)	.) 300V 60V						
		Adjustable for A/AB-Type only (via the built-in potentiometer)						
	CURRENT ADJ. RANGE	350~1050mA 1750~5550mA						
	CURRENT RIPPLE	3.0%(@ Load≥50% rated voltage)						
	CURRENT TOLERANCE	±5%						
	SET UP TIME Note.4							
		100 ~ 305VAC 142VDC ~ 431VDC						
	VOLTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)						
	FREQUENCY RANGE	47 ~ 63Hz						
		PF≧0.97 / 115VAC, PF≧0.95 / 230VAC, PF≧0.92 / 277VAC at full load						
	POWER FACTOR (Typ.)	(Please refer to "Power Factor Characteristic" section)						
		THD<10% (@ load≥50% at 115VAC/230VAC ,@load≥75% at 277VAC)						
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONIC DISTORTION (THD)" section						
INPUT	EFFICIENCY (Typ.)	94% 93%						
	AC CURRENT (Typ.)	2.2A / 115VAC 1.1A / 230VAC 0.9A / 277VAC						
	INRUSH CURRENT(Typ.)	COLD START 65A(twidth=550µs measured at 50% lpeak) at 230VAC; Per NEMA 410						
	MAX. NO. of PSUs on 16A							
	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)						
		Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
	SHORT CIRCUIT	301 ~ 360V		61 ~ 85V				
	OVER VOLTAGE	Shut down output voltage, re-power on to						
PROTECTION				protoction voltago rocovo	are automatically after fault condition is remove			
	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						
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTF		URE" section)				
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensin	n					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)	.9					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for	72min, oach along V. V. 7	2205				
SAFETY &	SAFETY STANDARDS Note.5 WITHSTAND VOLTAGE ISOLATION RESISTANCE	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, 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 I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH						
EMC	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/E			31000 3 3			
	EWG EWI33ION	Parameter	Standard	$Jau \equiv 50 / 0$, $DS EIN/EINO$	Test Level/Note			
		Conducted	BS EN/EN55015(CIS	PR15) GB/T 17743				
	EMC EMISSION	Radiated	BS EN/EN55015(CIS	<i>,</i> .				
	LING LINISSION	Harmonic Current	BS EN/EN61000-3-2		Class C @load≥50%			
			BS EN/EN61000-3-3	,6617025.1				
		Voltage Flicker BS EN/EN61547	03 EN/EN0 1000-3-3					
		Parameter	Standard		Test Level/Note			
		ESD Redicted	BS EN/EN61000-4-2		Level 3, 8KV air ; Level 2, 4KV contact			
	EMC IMMUNITY	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 optio			
		Conducted	BS EN/EN61000-4-6		Level 3			
		Magnetic Field	BS EN/EN61000-4-8		Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
		Voltage Dips and Interruptions	BS EN/EN61000-4-11		>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
	MTBF	2300.1K hrs min. Telcordia SR-332 (Bellcore) ; 200.7Khrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	199*63*35.5mm (L*W*H)						
	PACKING	0.85Kg;16pcs/14.2Kg/0.75CUFT						
NOTE	PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING M 3. De-rating may be needed ur 4. Length of set up time is meas 5. Input over voltage only for X 6. The driver is considered as a complete installation, the fina (as available on https://www. 7. This series meets the typical 8. Please refer to the warranty 9. The ambient temperature de 10. To fulfill requirements of the the mains. 11. Products sourced from the	0.85Kg;16pcs/14.2Kg/0.75CUFT / mentioned are measured at 230VAC input	ATIC CHARACTERISTIC re driver may lead to incre SA certificate. ination with final equipment y EMC Directive on the co nt_en.pdf) tion when Tcase, particula tp://www.meanwell.com and of 5°C/1000m with fa his LED driver can only bo PSE/BIS/KC logo. Please	" sections for details. sase of the set up time. nt. Since EMC perform mplete installation agai arly (to) point (or TMP, p an models for operating e used behind a switch contact your MEAN WE	ance will be affected by the in. wer DLC), is about 75℃ or less. altitude higher than 2000m(6500ft). without permanently connected to			
	https://www.meanwell.com/ 13. Ripple & noise are measure 14. To fulfill requirements of the 15. If you need the NOM (Mexi		wisted pair-wire terminate is LED driver can only be L sales representative for	d with a 0.1uf & 47uf p used behind a switch v details.	vithout permanently connected to the ma			



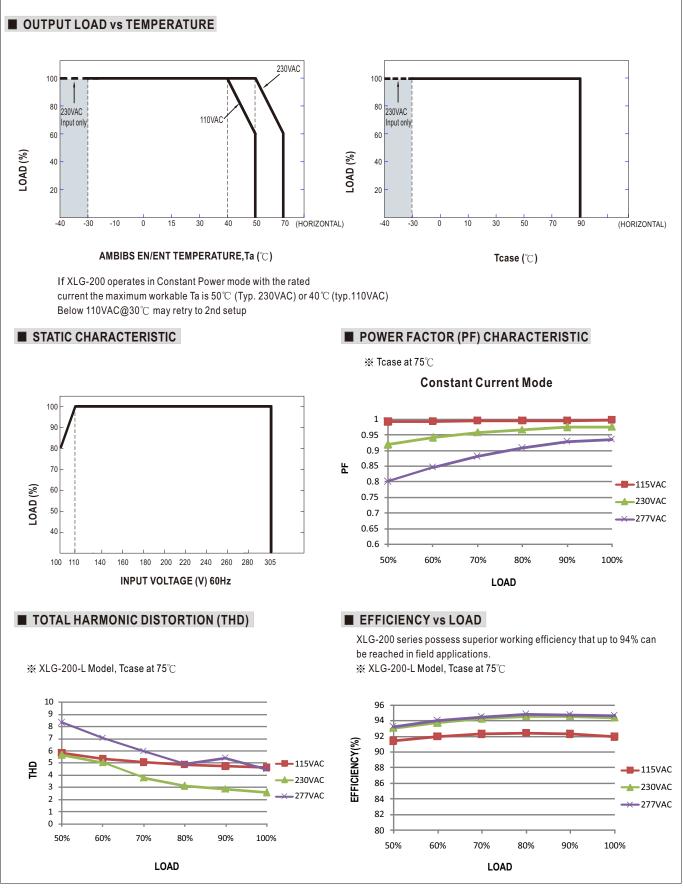


File Name:XLG-200-SPEC 2024-03-12









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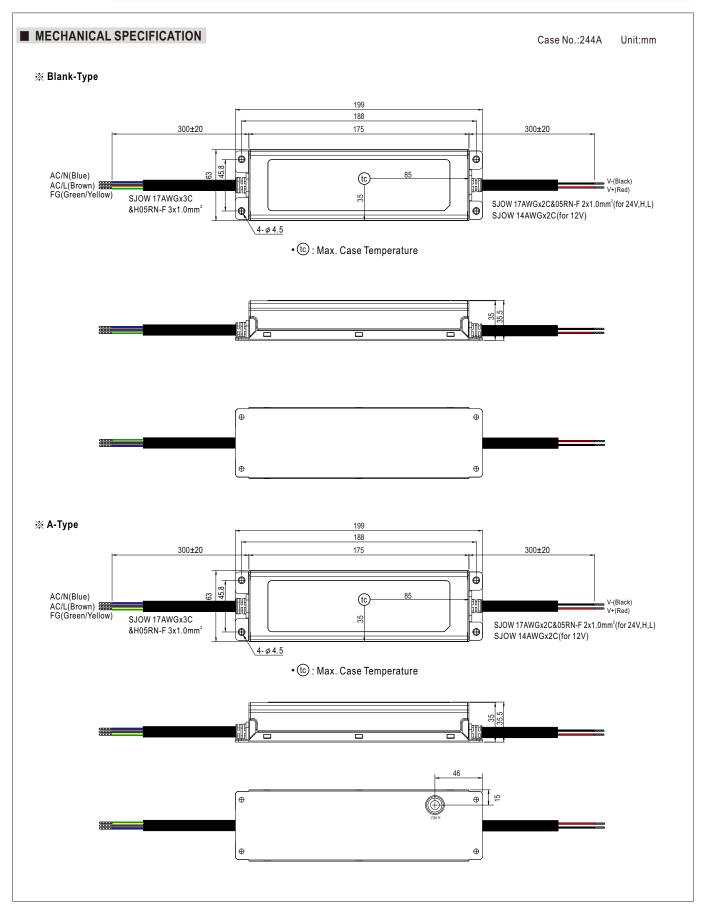




LIFETIME(Kh)

Tcase (° \mathbb{C})





File Name:XLG-200-SPEC 2024-03-12



200W Constant Power Mode LED Driver

XLG-200 series

