

100W Constant Power Mode LED Driver

XLG-100 series



































Features

- Wide input range 100~305VAC(Class I)
- Full power output at 70~100% Constant power mode operation
- Metal case with IP67, suitable for outdoor application
- LVLE(H type), Class 2(24V) power unit
- 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
- Comply with UL Class P
- 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

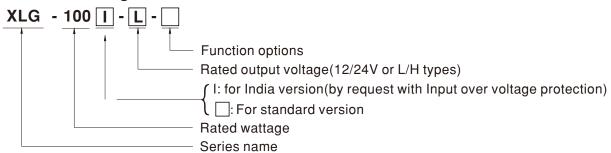
GTIN CODE

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

Description

XLG-100 series is a 100W LED AC/DC driver featuring the constant power mode.XLG-100 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 8000mA. Thanks to the high efficiency up to 92%, 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-100 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
CV	CV-type only with constant voltage function and only for 12V and 24V models, lo and Vo are fixed.	By request

Note: 1.12V and 24V models without the AB type

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



SPECIFICATION

MODEL		XLG-100□-12-□		XLG-100 -24-				
	DC VOLTAGE	12V		24V				
	CONSTANT CURRENT REGION Note.2	8.4~ 12V		16.8~ 24V				
	RATED CURRENT (Default)	8A		4A				
	RATED POWER	96W		96W				
	RIPPLE & NOISE (max.) Note.3	150mVp-p		240mVp-p				
	, ,	Adjustable for A-Type only (via the built-in potent	iometer)					
	CURRENT ADJ RANGE	4~8A	,	2~4A				
OUTDUT	VOLTAGE TOLERANCE Note.4			±2.0%				
OUTPUT	LINE REGULATION	±0.5%		±0.5%				
-		±2%		±1%				
	LOAD REGULATION		0	<u> </u>				
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VAC						
	HOLD UP TIME (Typ.)	12ms/ 230VAC 12ms/ 115VAC						
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC						
		(Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR	$PF \ge 0.97/115VAC, PF \ge 0.95/230VAC, PF \ge 0.92/230VAC$	277VAC@full load					
	TOTAL HARMONIC DISTORTION	THD< 10%(@load≧50%/115VAC,230VAC; @lo	ad≧75%/277VAC)					
INPUT	EFFICIENCY (Typ.)	92%						
	AC CURRENT	1.1A / 115VAC 0.5A / 230VAC 0.42A/277VA	AC .					
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50)% Ipeak) at 230VAC; Per	NEMA 410				
	MAX. No. of PSUs on 16A	Queito (oirquit bre show of the D) (44 miles (iit brooker of time OV =1 00	0)/// C				
	CIRCUIT BREAKER	8units (circuit breaker of type B) / 14 units (circu	iii breaker of type C) at 23	UVAC				
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W(for star	ndard version)					
	. STILL SOMOGINI HOM	110 - 1609/ for CV have 05 1009/ for the						
	OVER CURRENT	110 ~ 160% for CV type, 95~108% for other type		. D	- floor fourth and district			
		CV-type: Hiccup mode only; Other type: Hiccup o		·				
	SHORT CIRCUIT	CV-type: Hiccup mode only; Other type: Hiccup of	r constant current limiting		after fault condition is removed			
PROTECTION	OVER VOLTAGE	13.5 ~ 18V		27 ~ 34V				
		Shut down output voltage, re-power on to recov						
	INPUT OVER VOLTAGE	320 ~ 390 VAC (Shut down output voltage when the						
	0. 0. 2	Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-100I series)						
	OVER TEMPERATURE	Shut down output voltage, re-power on to recov	/er					
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to " OUTPUT Lo	OAD vs TEMPERATURE"	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)						
ŀ	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
		10 ~ 500Hz 5G 12min /1cycle period for 72min	each along X Y 7 axes					
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13	-12; ENEC BS EN/EN6134					
		UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(H29),KC61347-1,KC613	347-2-13,			
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce	H29),KC61347-1,KC613	347-2-13,			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce G:1.5KVAC	H29),KC61347-1,KC613	347-2-13,			
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 6:1.5KVAC	H29),KC61347-1,KC613	347-2-13, pproved			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce S:1.5KVAC J/25°C/70% RH Standard	H29),KC61347-1,KC61: pt for Blank type); IP67 a	747-2-13, pproved Test Level/Note			
EMC	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted	-12; ENEC BS EN/EN613/ 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC // 25°C/70% RH Standard BS EN/EN55015(CISP	H29),KC61347-1,KC61: pt for Blank type); IP67 a	747-2-13, pproved Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC // 25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 7/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2,	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50%			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC // 25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 7/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2,	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50%			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 7/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2,	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50%			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 2/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50%			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 2/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50% Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 2/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 2/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 3			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:1.5KVAC BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, 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	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note 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)			
EMC SAFETY &	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:1.5KVAC 3:1.5KVAC BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 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	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note 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			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 6:1.5KVAC 6:25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN61000-3-2, 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/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note 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			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:1.5KVAC 3:1.5KVAC BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 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	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note 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			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 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 BS EN/EN61000-4-11	H29),KC61347-1,KC61: pt for Blank type); IP67 a	Test Level/Note 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,			
SAFETY &	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore)	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 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 BS EN/EN61000-4-11	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743	Test Level/Note 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,			
SAFETY &	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H)	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 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 BS EN/EN61000-4-11	H29),KC61347-1,KC61: pt for Blank type); IP67 a	Test Level/Note 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,			
OTHERS	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce) 5:1.5KVAC 5:2.5°C/70% RH Standard BS EN/EN55015(CISP) BS EN/EN55015(CISP) BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11; 276.4Khrs min. MI	H29),KC61347-1,KC61: pt for Blank type); IP67 a	Test Level/Note 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,			
OTHERS	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated of THODS OF LED MODULE". (Except for CV-type)	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, 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 BS EN/EN61000-4-5 BS EN/EN61000-4-11 ; 276.4Khrs min. Mi	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15),GB/T 17743 R15),GB/T 17743 GB17625.1 L-HDBK-217F (25°C)	Test Level/Note 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			
OTHERS NOTE	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentions of Telcordia Part visited pai 420MHz of bandwidth by using a 12" twisted pai	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 3:1.5KVAC 3:1.5KVAC 3:25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, 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 BS EN/EN61000-4-5 BS EN/EN61000-4-11 ; 276.4Khrs min. Mi	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15),GB/T 17743 R15),GB/T 17743 GB17625.1 L-HDBK-217F (25°C)	Test Level/Note 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			
OTHERS	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance: includes set up to 5. De-rating may be needed unt	UL8750(type"HL"), UL879, CSAC22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated of THODS OF LED MODULE". (Except for CV-type) at 20MHz of bandwidth by using a 12" twisted pai lerance, line regulation and load regulation.	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce) 5:1.5KVAC 5:1.5KVAC 6:2/25°C/70% RH Standard BS EN/EN55015(CISP) BS EN/EN55015(CISP) BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-11 ; 276.4Khrs min. MI	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743 GB17625.1 L-HDBK-217F (25°C) nt temperature. 1uf & 47uf parallel capa is for details.	Test Level/Note 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			
OTHERS	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance: includes set up to 5. De-rating may be needed up to 6. Length of set up time is meas	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated of THODS OF LED MODULE". (Except CV-type) 140*10*10*10*10*10*10*10*10*10*10*10*10*10	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce) 5:1.5KVAC 67:25°C/70% RH Standard BS EN/EN55015(CISP) BS EN/EN55015(CISP) BS EN/EN61000-3-2, BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-11 ; 276.4Khrs min. MI	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15) ,GB/T 17743 R15) ,GB/T 17743 GB17625.1 L-HDBK-217F (25°C) nt temperature. 1uf & 47uf parallel capa is for details.	Test Level/Note 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			
OTHERS NOTE	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance: includes set up to 5. De-rating may be needed und 6. Length of set up time is meas 7. Only CE/ENEC/CB is availab 8. The driver is considered as a	UL8750(type"HL"), UL879, CSAC22.2 No. 250.13 GB19510.1, GB19510.14;EAC TP TC 004;J613 IS15885(Part2/Sec13)(for XLG-100I type only);N I/P-O/P.3.75KVAC I/P-FG:2KVAC O/P-FC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated of the repulsion of the regulation. Justice of the regulation and load regulation. Justice of the regulation and load regulation. Justice of the driver of component that will be operated in combination we for CV-type. XLG-1001 series without UL/CSAc component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be operated in combination we have the component that will be op	-12; ENEC BS EN/EN6134 47-1(H29), J61347-2-13(OM-058-SCFI-2017(exce 5:1.5KVAC 6:2/25°C/70% RH Standard BS EN/EN55015(CISP BS EN/EN55015(CISP BS EN/EN61000-3-2, BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-1 BS EN/EN61000-4-1 STANDARD AND AND AND AND AND AND AND AND AND AN	H29),KC61347-1,KC61: pt for Blank type); IP67 a R15),GB/T 17743 R15),GB/T 17743 GB17625.1 L-HDBK-217F (25°C) nt temperature. 1uf & 47uf parallel capa is for details. ie set up time. EMC performance will b	Test Level/Note 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			
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- X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



SPECIFICATION

MODEL		XLG-100L	XLG-100 □-F	I			
	RATED CURRENT (Default)	700mA	2100mA				
	RATED POWER	100W	100W				
	CONSTANT CURRENT REGION	71 ~ 142V	27 ~ 56V				
	FULL POWER CURRENT RANGE	700~1050mA	1750~2780mA				
DUTPUT	OPEN CIRCUIT VOLTAGE (max.)	149V	60V				
	CURRENT ADJ. RANGE	350~1050mA	875~2780mA				
	CURRENT RIPPLE	3.0%(@rated current)					
	CURRENT TOLERANCE	±5%					
	SET UP TIME	500ms/230VAC, 1200ms/115VAC					
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142VDC ~ 431VDC					
	VOLTAGE RANGE Note.5	(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					
	POWER FACTOR (Typ.)	(Please refer to "Power Factor Characteristic" section)					
	TOTAL HARMONIC DISTORTION	THD< 10% (@ load ≥ 50% at 115VAC/230VA	C,@load≥75% at 277VAC)				
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONIC DISTOR"	TION (THD)" section				
INPUT	EFFICIENCY (Typ.)	92.5% 91%					
	AC CURRENT (Typ.)	1.1A / 115VAC					
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A	8 unit(circuit breaker of type B) / 14 units(circuit breaker of type C) at 230VAC					
	CIRCUIT BREAKER	o unit of cult breaker of type b) / 14 units(circu	it breaker or type of at 230VAO				
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY	Chandle and an arrange of the same of the	A Dimension OFF Vitage to a decidence in the control of the contro				
	POWER CONSUMPTION	Standby power consumption <0.5W for AB-Typ	pe(Dirinming OFF)(for standard version)				
		105 ~ 150%					
	OVER POWER	Hiccup mode, recovers automatically after fault condition is removed					
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
		160 ~ 220V	66 ~ 90V				
PROTECTION	OVER VOLTAGE	Shut down output voltage, re-power on to recover					
	INPUT OVER VOLTAGE	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is remove Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-100I series)					
	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					
NVIRONMENT	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 72m	in each along X Y 7 axes				
		• • • • • • • • • • • • • • • • • • • •		347-2-13 independent BS EN/EN62384			
	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,					
	SALETT STANDARDS Note.	IS15885(Part2/Sec13)(for XLG-100I type only);NOM-058-SCFI-2017(except for Blank type); IP67 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC					
SAFETY &	ISOLATION RESISTANCE	I/P-0/P. I/P-FG. O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
EMC		Parameter	Standard	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR15) ,GB/T 177-				
	ENO ENIOCION	Radiated	BS EN/EN55015(CISPR15) ,GB/T 177-				
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2 ,GB17625.1	Class C @load≥50%			
			BS EN/EN61000-3-2 ,GB17025.1				
		Voltage Flicker	DO CIN/CINO 1000-3-3				
		BS EN/EN61547	Standard	Test Level/Net-			
		Parameter	Standard DC EN/EN/24/000 4/2	Test Level/Note			
		ESD Particular de la constant de la	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,			
		5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		>95% interruptions 250 periods			
	MTBF	2782.6K hrs min. Telcordia SR-332 (Bellcore); 276.4Khrs min. MIL-HDBK-217F (25℃)					
	DIMENSION	140*63*32mm (L*W*H)					
OTHERS	DIMENSION	0.58Kg;24pcs /15Kg /0.85CUFT					
OTHERS	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT					

- 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. XLG-1001 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. 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 (c) point (or TMP, per DLC), is about 80°C or less.

 12. Products sourced from the Americas regions may not have the PSE/CCC/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.

 16. For A/AB type need to consider build in using to comply with Type HL application.

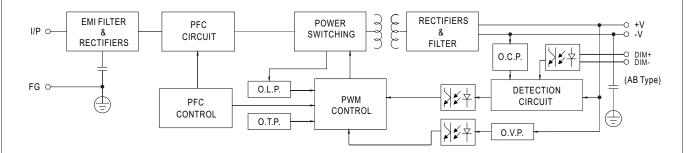
 8. Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/pleaser.com

- X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



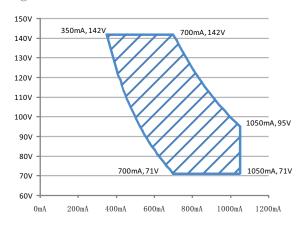
■ BLOCK DIAGRAM

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

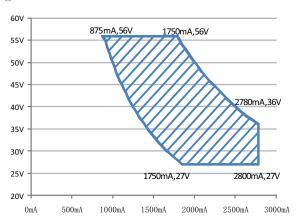


■ DRIVING METHODS OF LED MODULE

% I-V Operating Area



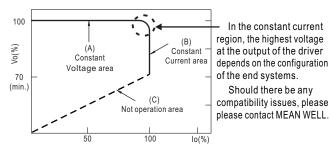
Recommend Performance Region



Recommend Performance Region

◎ XLG-100-12,24

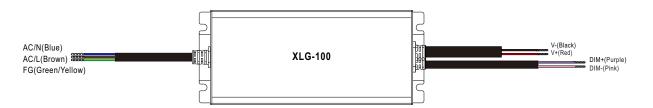
This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs, except for CV-type.



Typical output current normalized by rated current (%)

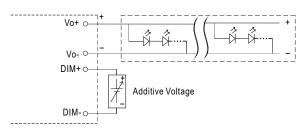


■ DIMMING OPERATION

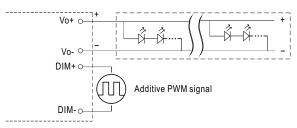


※ 3 in 1 dimming function (for AB-Type)

- 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.)

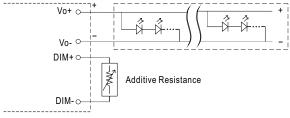


"DO NOT connect "DIM- to Vo-"

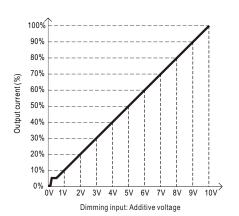


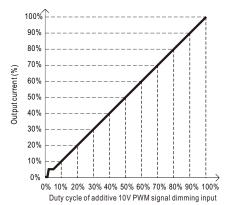
"DO NOT connect "DIM- to Vo-"

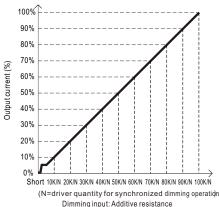
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





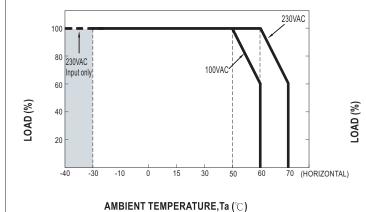


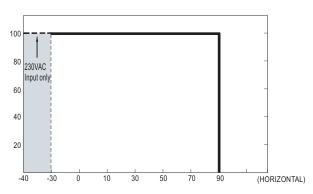
Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%.

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



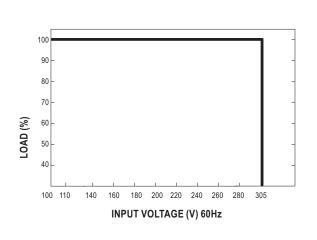


Tcase (°C)

If XLG-100 operates in Constant Current mode with the rated current the maximum workable Ta is $60\,^{\circ}\mathrm{C}$ (Typ. 230VAC) or $50\,^{\circ}\mathrm{C}$ (Typ.100VAC).

Below 110VAC@-30°C may has restart situation within 5s after power-on.

■ STATIC CHARACTERISTIC

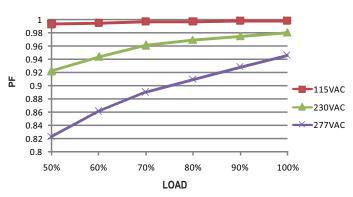


■ POWER FACTOR (PF) CHARACTERISTIC

※ Tcase at 75°

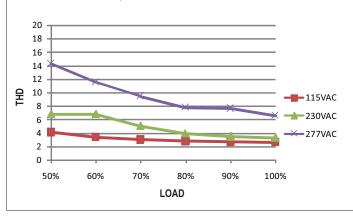
C

Constant Current Mode



■ TOTAL HARMONIC DISTORTION (THD)

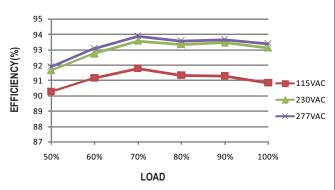
※ XLG-100-L Model, Tcase at 75℃



■ EFFICIENCY vs LOAD

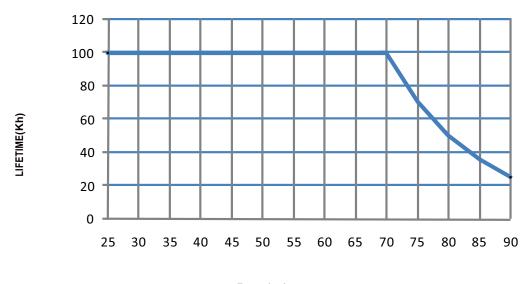
XLG-100 series possess superior working efficiency that up to 92.5% can be reached in field applications.

※ XLG-100-L Model. Tcase at 75°C



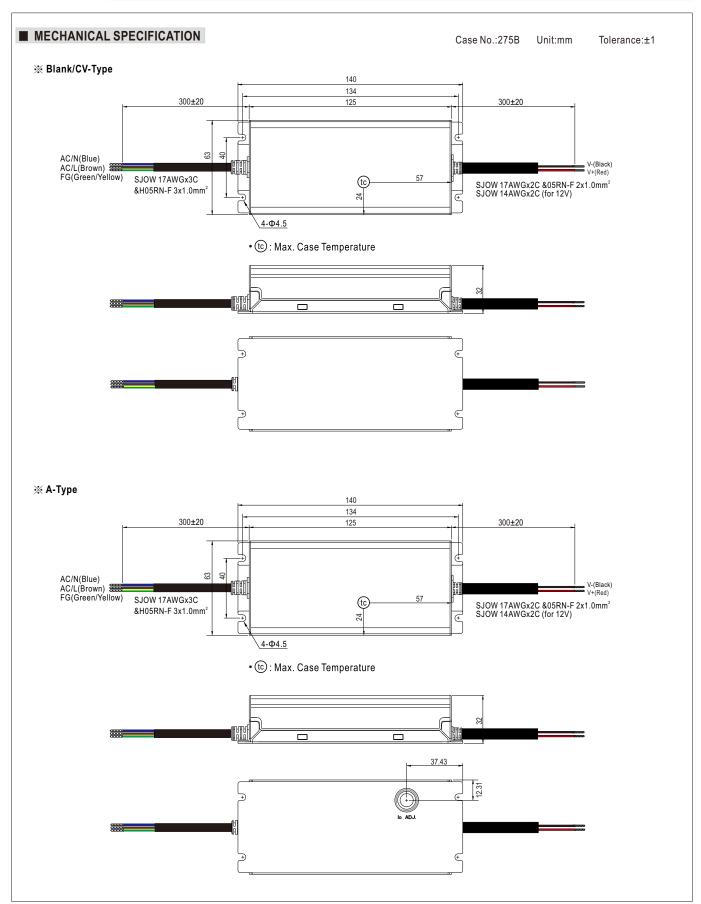


■ LIFE TIME



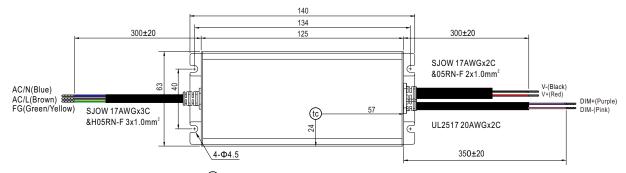
Tcase (°€)



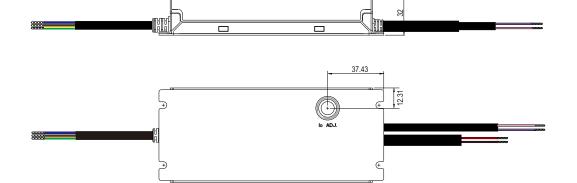




※ AB-Type



• tc : Max. Case Temperature



■ Recommend Mounting Direction



■ INSTALLATION MANUAL

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