































■ 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
- Class 2 power unit(except for L type)
- Surge protection with 6KV/4KV
- 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
- Compliance to EN60335-1 household application
- Life time >50,000 hrs. and 5 years warranty

Applications

- Skyscraper lighting
- Street lighting
- · Floodlight Lighting
- Stage lighting
- · Horticulture lighting
- · Bay lighting
- DMX power supply
- Type HL for use in class I, Division 2
- · Household devices
- · Retail and refrigerated display

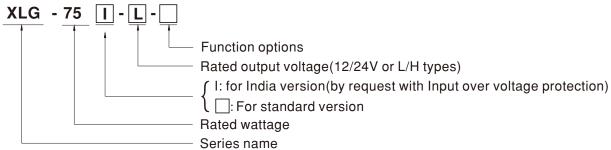
■ GTIN CODE

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

Description

XLG-75 series is a 75W LED AC/DC driver featuring the constant power mode.XLG-75 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 5000mA. Thanks to the high efficiency up to 91%, 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-75 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



Туре	Function	Note
Blank	lo and Vo fixed.(For harsh envirenment)	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



75W Constant Voltage + Constant Current LED Driver

SPECIFIC	ATION							
MODEL		XLG-75 □-12- □		XLG-75 □-24- □				
	DC VOLTAGE	12V		24V				
	CONSTANT CURRENT REGION Note.2	8.4~ 12V		16.8~ 24V				
ОИТРИТ	RATED CURRENT (Default)	5A		3.1A				
	RATED POWER	60W		74.4W				
	RIPPLE & NOISE (max.) Note.3	150mVp-p		240mVp-p				
	CURRENT ADJ RANGE	2.5A~5A		1.55A~3.1A				
	VOLTAGE TOLERANCE Note.4	±3.0%		±2.0%				
	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 BANGE	100 ~ 305VAC 142 ~ 431VDC						
	VOLTAGE RANGE Note.5	(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 \! $						
	TOTAL HARMONIC DISTORTION	THD<10%(@load≧50%/115VC,230VAC; @load≧75%/277VAC)						
INPUT	EFFICIENCY (Typ.)	89% 90%						
	AC CURRENT	1.0A / 115VAC						
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	9 units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W(for star	ndard version)					
	OVER CURRENT	110~160% for CV type, 95~108% for other type CV-type: Hiccup mode only; Other type: Hiccup or constant current limiting; Recovers automatically after fault condition is removed						
	SHORT CIRCUIT	CV-type: Hiccup mode only; Other type: Hiccup or						
PROTECTION	OHORT OHOOTI	13 ~ 19V	oonotant ourront minung,	26 ~ 36V	and radit container to removed			
	OVER VOLTAGE	Shut down output voltage, re-power on to recove	er	20 001				
		320 ~ 370VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault						
	INPUT OVER VOLTAGE	condition is removed)						
		Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-75I series)						
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover						
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LC	AD vs TEMPERATURE" :	section)				
	MAX. CASE TEMP.	Tcase=+90℃						
	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 axes						
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13-12;ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384,EN 60335-1 compliant to EN 60335-2-89 Annex BB, EN 60335-2-24 Annex CC;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-75I type only); OM-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					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC	/25°C/70% RH					
		Parameter	Standard		Test Level/Note			
	EMC EMISSION	Conducted	BS EN/EN55015(CISPF	R15) ,GB/T 17743				
		Radiated	BS EN/EN55015(CISPF	R15) ,GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-2,0	GB17625.1	Class C @load≥50%			
EMC		Voltage Flicker	BS EN/EN61000-3-3					
SAFETY &		BS EN/EN61547						
		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			
	EMC IMMUNITY	EFT/Burst	BS EN/EN61000-4-4		Level 3			
		Surge	BS EN/EN61000-4-5		4KV/Line-Line 6KV/Line-Earth			
		Conducted	BS EN/EN61000-4-6		Level 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			
OTU	MTBF	3404.7K hrs min. Telcordia SR-332 (Bellcore) ;	276.3Khrs min. MIL	HDBK-217F (25°ℂ)				
OTHERS	DIMENSION	140*63*32mm (L*W*H)						
	PACKING 1 All parameters NOT special	0.58Kg;24pcs /15Kg /0.85CUFT ly mentioned are measured at 230VAC input, ra	ited current and 25°C of	amhient temperature				
	2. Please refer to "DRIVING M. 3. Ripple & noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is mer 7. Only CE/ENEC/CB is availa 8. The driver is considered as complete installation, the fir	ETHODS OF LED MODULE". (Except for CV-ted at 20MHz of bandwidth by using a 12" twister tolerance, line regulation and load regulation. Inder low input voltages. Please refer to "STATIG asured at first cold start. Turning ON/OFF the diable for CV-type. XLG-75I series without UL/CS, a component that will be operated in combinatic lal equipment manufacturers must re-qualify EM	ype) d pair-wire terminated wi C CHARACTERISTIC" s river may lead to increas A certificate. on with final equipment. IC Directive on the comp	th a 0.1uf & 47uf parallelections for details. se of the set up time.	•			
	(as available on https://www 9. This series meets the typica 10. Please refer to the warran 11. The ambient temperature 12. Products sourced from the 13. To fullfill requirements of the	v.meanwell.com//Upload/PDF/EMI_statement_e al life expectancy of >50,000 hours of operation by statement on MEAN WELL's website at http:/ derating of 3.5°C/1000m with fanless models an Americas regions may not have the PSE/CCC, he latest ErP regulation for lighting fixtures, this and IP water proof function installation caution, p	en.pdf) when Tcase, particularly /www.meanwell.com d of 5°C/1000m with fan 'BIS/KC logo. Please co LED drivers can only be	models for operating all ntact your MEAN WELL used behind a switch w	Ititude higher than 2000m(6500ft) sales for more information.			

14. 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

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



SPECIFICATION

MODEL		XLG-75 □ -L- □	XL	.G-75 🔲-H- 🗌					
RATED CURRENT (Default)		700mA	14	00mA					
	RATED POWER	74.9W		75.6W					
OUTPUT	CONSTANT CURRENT REGION			27~56V					
	FULL POWER CURRENT RANGE			1300~2100mA					
	OPEN CIRCUIT VOLTAGE (max.)			60V					
	CURRENT ADJ. RANGE	350~1050mA	0~2100mA						
-	CURRENT RIPPLE								
	CURRENT TOLERANCE	3.0%(@rated current)							
	SET UP TIME	±5%							
	SET UP TIME	500ms/230VAC, 1200ms/115VAC							
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHAPACTERISTIC" and " DRIVING METHODS OF LED MODILI E"section)							
		(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)							
	FREQUENCY RANGE	47 ~ 63Hz DE > 0.07 / 115 / AC DE > 0.05 / 230 / AC DE > 0.02 / 277 / AC at full load							
	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)							
	TO IAL TIANNION O DIOTON TON	Please refer to "TOTAL HARMONIC DISTORTION (THD)" section							
NPUT	EFFICIENCY (Typ.)	91% 90%							
	AC CURRENT (Typ.)	1A / 115VAC 0.45A / 230VAC 0.38A /	277VAC						
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410							
	MAX. NO. of PSUs on 16A	O unit/airouit bas also after a FV / / / V	handles of t == - 0\ 1000\100						
	CIRCUIT BREAKER	9 unit(circuit breaker of type B) / 14 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 v	ersion)					
	TOWER COROCINIT TION								
	OVER POWER	110 ~ 150%							
		Hiccup mode, recovers automatically after fault condition is removed							
ROTECTION	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recov	ers automatically after fault cor	ndition is removed					
		320 ~ 370VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault							
	INPUT OVER VOLTAGE	condition is removed)							
		Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-75I series)							
	OVER TEMPERATURE	Shut down output voltage, re-power on to recovery							
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LC	DAD vs TEMPERATURE" section	on)					
	MAX. CASE TEMP.	Tcase=+90°C							
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing							
NVIRONWENT	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	n. each along X, Y, Z axes						
		The state of the s							
			UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384; EN 60335-1 compliant to EN 60335-2-89 Annex BB, EN 60335-2-24 Annex CC; GB19510.1 , GB19510.14; EAC TP TC 004; J61347-1 (H29), J61347-2-13 (H29)						
	SAFETY STANDARDS Note.7								
	SAFETY STANDARDS Note.7		35-2-24 Annex CC;GB19510.	1, GB19510.14; EAC	TP TC 004;J61347-1(H29), J61347-2-13(H2				
		compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1,KC61347-2-13,IS15885(Part2/Sec	335-2-24 Annex CC;GB19510. c13)(for XLG-75I type only); N	1, GB19510.14; EAC	TP TC 004;J61347-1(H29), J61347-2-13(H2				
AFETY &	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1.KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FC	335-2-24 Annex CC;GB19510. c13)(for XLG-75I type only); N G:1.5KVAC	1, GB19510.14; EAC	TP TC 004;J61347-1(H29), J61347-2-13(H2				
		compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1,KC61347-2-13,IS15885(Part2/Sec 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 / 500VD	35-2-24 Annex CC;GB19510. c13)(for XLG-75I type only); No G:1.5KVAC C / 25°C / 70% RH	1, GB19510.14; EAC	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved				
	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); No 3:1.5KVAC C / 25°C / 70% RH Standard	1, GB19510.14; EAC OM-058-SCFI-2017(TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note				
	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); No 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15	1, GB19510.14; EAC OM-058-SCFI-2017(TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note				
	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Sec 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	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); No 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); No 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Sec 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	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); No 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note Class C @load≥50%				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note Class C @load≥50%				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	35-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 BS EN/EN61000-3-3	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note Class C @load≥50%				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Sec 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 / 500VDG Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note Class C @load≥50%				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), 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				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); Notes in Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth				
SAFETY &	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Partz/Sec 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	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	TP TC 004;J61347-1(H29), J61347-2-13(H2 except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth Level 3				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	335-2-24 Annex CC;GB19510. 213)(for XLG-751 type only); Notes in Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743	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 Level 3 Level 3 Level 4				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Partz/Sec 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	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2,GB1 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), 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 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2, GB1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743 7625.1	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 Level 3 Level 3 Level 4				
MC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VD (Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 3404.7K hrs min. Telcordia SR-332 (Bellcore)	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2, GB1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), 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 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1, KC61347-2-13, IS15885 (Part2/Set 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 / 500VDt Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	335-2-24 Annex CC;GB19510. 13)(for XLG-751 type only); Ni 3:1.5KVAC C / 25°C / 70% RH Standard BS EN/EN55015(CISPR15 BS EN/EN55015(CISPR15 BS EN/EN61000-3-2, GB1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 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	1, GB19510.14; EAC OM-058-SCFI-2017(), GB/T 17743), GB/T 17743 7625.1	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 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,				

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25℃ 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. XLG-751 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/EM_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℃ 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℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).

 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.

 14. 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

 15. If you need the NOM (Mexico) certificate.

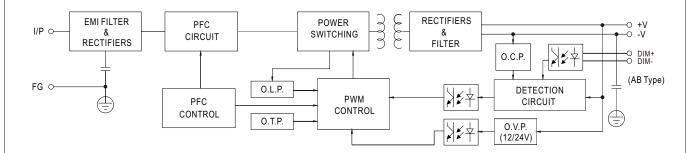
 8. Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

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



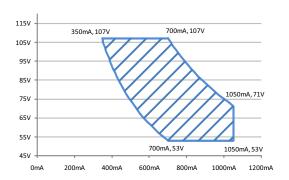
■ BLOCK DIAGRAM

PFC fosc: 50~120KHz PWM fosc: 65KHz

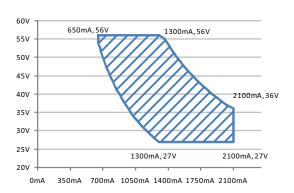


■ DRIVING METHODS OF LED MODULE

% I-V Operating Area



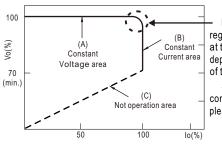
Recommend Performance Region



Recommend Performance Region

⊚ XLG-75-12,24

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.



 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 (%)

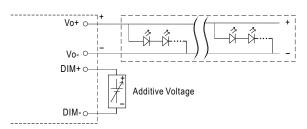


■ DIMMING OPERATION

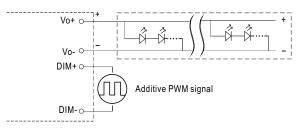


※ 3 in 1 dimming function (for AB-Type)

- 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.)

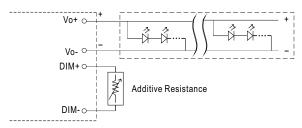


"DO NOT connect "DIM- to Vo-"

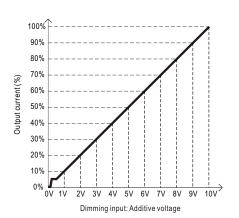


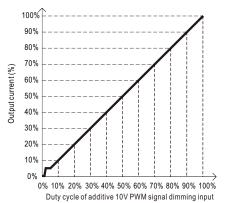
"DO NOT connect "DIM- to Vo-"

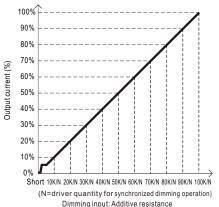
 \bigcirc Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





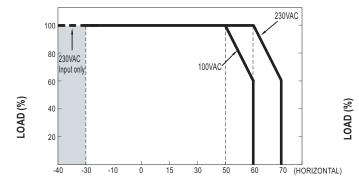


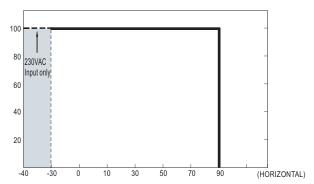
Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%

2. The output current could drop down to 0% when dimming input is about 0Ω or 0Vdc, or 10V PWM signal with 0% duty cycle.



■ OUTPUT LOAD vs TEMPERATURE





Tcase (°C)

AMBIENT TEMPERATURE, Ta (°C)

If XLG-75 operates in Constant Current mode with the rated current the maximum workable Ta is 60° C (Typ. 230VAC) or 50° C (Typ. 100VAC). Below 110VAC@-30°C may has restart situation within 5s after power-on.

■ STATIC CHARACTERISTIC

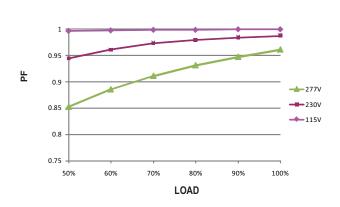
100 90 -80 -70 -100 110 140 160 180 200 220 240 260 280 305 INPUT VOLTAGE (V) 60Hz

■ POWER FACTOR (PF) CHARACTERISTIC

※ Tcase at 75°

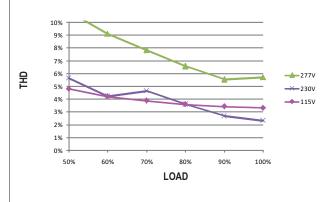
C

Constant Current Mode



■ TOTAL HARMONIC DISTORTION (THD)

※ XLG-75-L Model, Tcase at 75°C

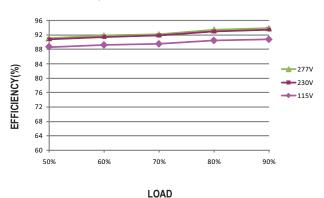


■ EFFICIENCY vs LOAD

XLG-75 series possess superior working efficiency that up to 92% can be reached in field applications.

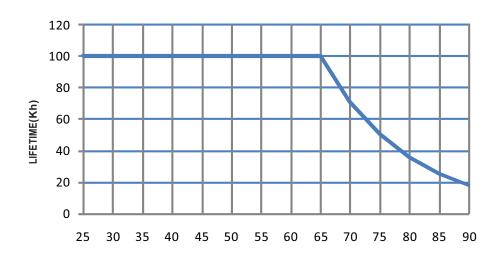
※ XLG-75-L Model, Tcase at 75°

C



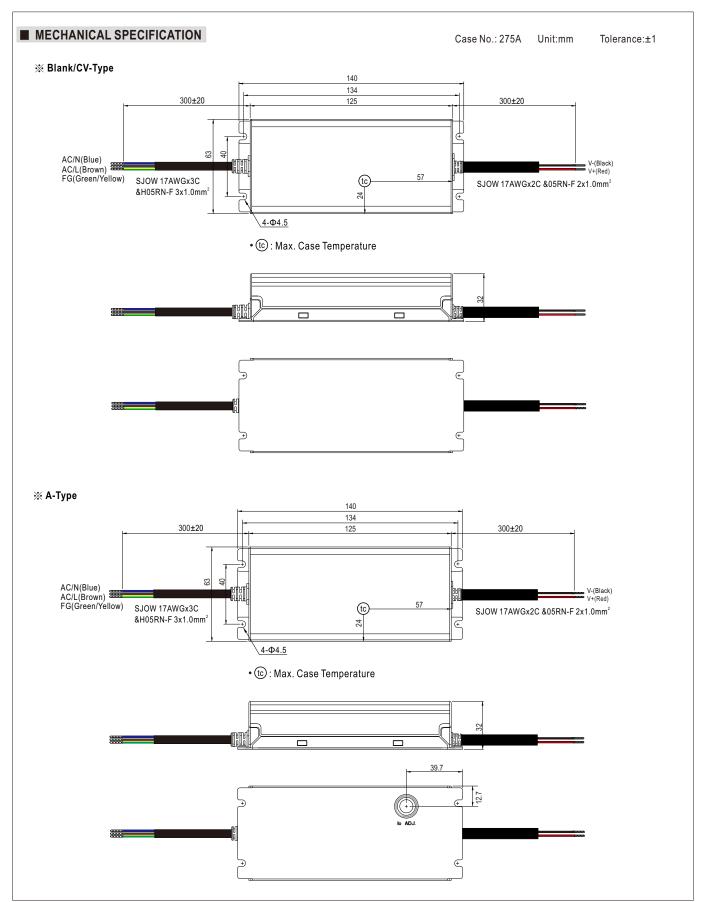


■ LIFE TIME



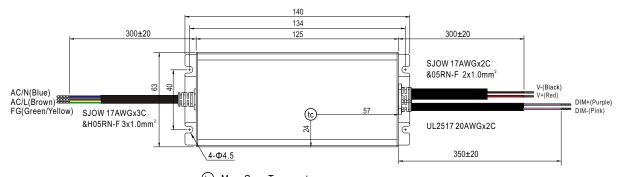
Tcase ($^{\circ}\!\mathbb{C}$)



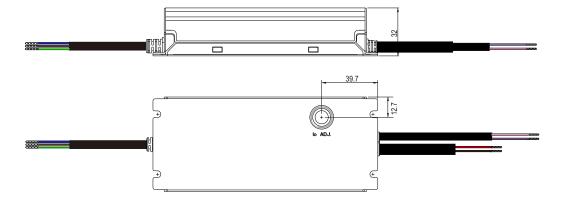




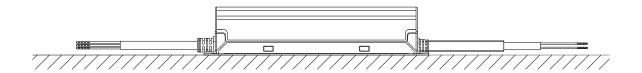
※ AB-Type



• tc : Max. Case Temperature



■ Recommend Mounting Direction



■ INSTALLATION MANUAL

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