

Наличие и актуальные цены на

XLG-75I-L-A

https://www.mean-well.ru/store/XLG-75I-L-A/































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

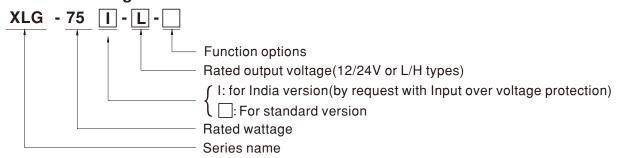
■ GTIN CODE

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



Type	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

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

MODEL		XLG-75 -12-	XLG-75	XLG-75 □-24- □			
	DC VOLTAGE	12V	24V				
ОИТРИТ	CONSTANT CURRENT REGION Note.2	8.4~ 12V	16.8~ 24'	16.8~ 24V			
	RATED CURRENT (Default)	5A	3.1A				
	RATED POWER	60W	74.4W				
	RIPPLE & NOISE (max.) Note.3	150mVp-p	240mVp-	240mVp-p			
	CURRENT ADJ RANGE	2.5A~5A	1.55A~3.	1.55A~3.1A			
	VOLTAGE TOLERANCE Note.4	±3.0%	±2.0%	±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					
		100 ~ 305VAC 142 ~ 431VDC					
	VOLTAGE 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.)	89% 90%					
	AC CURRENT	1.0A / 115VAC					
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measi		NFMA 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 standard version)					
	OVER CURRENT	95 ~ 108% Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
	SHORT CIRCUIT	Hiccup mode or Constant current limitin	•				
ROTECTION		13 ~ 19V	26 ~ 36V				
	OVER VOLTAGE	Shut down output voltage, re-power on to recover					
	INPUT OVER VOLTAGE Note.7	320 - 370VAC (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 or					
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to " OI	UTPUT 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					
	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-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-751 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		
		Conducted	BS EN/EN55015(CISPR15) ,0	GB/T 17743			
	EMC EMICCION	Radiated	BS EN/EN55015(CISPR15) ,0	GB/T 17743			
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2 ,GB176		Class C @load≥50%		
мс		Voltage Flicker	BS EN/EN61000-3-3				
MC AFETY &		BS EN/EN61547	BO EN/ENOTOGO O O				
ALLIIG		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		
	LINC IMMONT		BS EN/EN61000-4-5		4KV/Line-Line 6KV/Line-Earth		
		Surge Conducted			Level 3		
		Magnetic Field	BS EN/EN61000-4-6 BS EN/EN61000-4-8		Level 4		
		•			>95% dip 0.5 periods, 30% dip 25 periods,		
	MTBF	Voltage Dips and Interruptions 3404.7K hrs min. Telcordia SR-332 (BS EN/EN61000-4-11 Bellcore); 276.3Khrs min. M	IL-HDBK-217	>95% interruptions 250 periods		
THERS	DIMENSION	140*63*32mm (L*W*H)	Donouroj, Zro.omiis IIIII. W	וביוטטוג-217	. (200)		
IIILKO	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT					
ОТЕ	1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. Please refer to "DRIVING METHODS OF LED MODULE". 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 4. Tolerance: includes set up tolerance, line regulation and load regulation. 5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 6. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. 7. Input over voltage only for XLG-75 I series, and I series without UL/CSA certificate. 8. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 9. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75°C or less. 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com						
	11. The ambient temperature de 12. Products sourced from the 13. To fullfill requirements of the to the mains		dels and of 5° C/1000m with fan moe/CCC/BIS/KC logo. Please contains, this LED drivers can only be use	ct your MEAN ed behind a s	switch without permanently connected		

to the mains

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.

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

File Name:XLG-75-SPEC 2024-03-12

		XLG-75 -L-	XLG-75 □-H- □				
,	RATED CURRENT (Default)	700mA	1400mA				
OUTPUT	RATED POWER	74.9W	75.6W				
	CONSTANT CURRENT REGION	53 ~ 107V	27 ~ 56V				
	FULL POWER CURRENT RANGE	700~1050mA	1300~2100mA	nA			
	OPEN CIRCUIT VOLTAGE (max.)	115V 60V					
	CURRENT ADJ. RANGE	350~1050mA 650~2100mA					
	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 NAME 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					
	TOTAL CONTENT (1) p./	(Please refer to "Power Factor Characteristic" section)					
	TOTAL HARMONIC DISTORTION	THD< 10% (@ load≥50% at 115VAC/230VAC,@load≥75% at 277VAC)					
	TO THE THIRD HOLD BIOLOGICATION	Please refer to "TOTAL HARMONIC DISTORTION (THD)" section					
INPUT	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% lpeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A	9 unit(circuit breaker of type B) / 14 units(circuit breaker of type C) at 230VAC					
	CIRCUIT BREAKER	7 7 7					
	LEAKAGE CURRENT	<0.75mA/277VAC					
	STANDBY	Standby power consumption <0.5W for AB-Type(Dimming OFF)(for standard version)					
	POWER CONSUMPTION		, , , , , , , , , , , , , , , , , , ,	<u> </u>			
	OVER POWER	110 ~ 150%					
		Hiccup mode, recovers automatically after fault co					
PROTECTION	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
	INPUT OVER VOLTAGE Note.7	320 ~ 370VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is removed)					
	OVER TEMPERATURE	Can survive input voltage stress of 440Vac for 48 hours					
		Shut down output voltage, re-power on to recovery					
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
	MAX. CASE TEMP.	Tcase=+90°C					
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min.	• • •				
		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(H261347-1, KC61347-2-13, IS15885(Part2/Sec13)(for XLG-75I type only); NOM-058-SCFI-2017(except for Blank type); IP67 approved					
	SAFETY STANDARDS Note.7						
SAEETV 9	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE		XLG-75I type only); NOM-058-SCFI-20				
		KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for	XLG-75I type only); NOM-058-SCFI-20				
	WITHSTAND VOLTAGE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC /25℃ / 70% RH				
	WITHSTAND VOLTAGE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stance	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC /25℃ / 70% RH	17(except for Blank type); P67 approved			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stant Conducted BS Eff	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC / 25℃ / 70% RH dard	17(except for Blank type); P67 approved Test Level/Note			
	WITHSTAND VOLTAGE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stand Conducted BS EI Radiated BS EI	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC / 25°C / 70% RH dard N/EN55015(CISPR15) ,GB/T 17743	17(except for Blank type); P67 approved Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stand Parameter Stand Conducted BS El Radiated BS El Harmonic Current BS El	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC // 25°C / 70% RH dard v/EN55015(CISPR15) ,GB/T 17743 v/EN55015(CISPR15) ,GB/T 17743	17(except for Blank type); P67 approved Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stand Parameter Stand Conducted BS El Radiated BS El Harmonic Current BS El	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1	Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stand Parameter Stand Conducted BS El Radiated BS El Harmonic Current BS El Voltage Flicker BS El	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3	Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stance Parameter Stance Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 Parameter Stance	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3	Test Level/Note Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stanc Parameter Stanc Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 Stanc Parameter Stanc ESD BS EI	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3	Test Level/Note Class C @load≥50% Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stanc Parameter Stanc Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 Stanc Parameter Stanc ESD BS EI Radiated BS EI	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3	Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stanc Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 Stanc Parameter Stanc ESD BS EI Radiated BS EI EFT/Burst BS EI	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4	Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stanc Parameter Stanc Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 Stanc Parameter Stanc ESD BS EI Radiated BS EI EFT/Burst BS EI Surge BS EI	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5	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			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stanc Parameter Stanc Conducted BS El Radiated BS El Harmonic Current BS El Voltage Flicker BS El BS EN/EN61547 Stanc Parameter Stanc ESD BS El Radiated BS El EFT/Burst BS El Surge BS El Conducted BS El	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6	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			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stant Conducted BS Ef Radiated BS Ef Harmonic Current BS Ef Voltage Flicker BS Ef BS EN/EN61547 Stant Parameter Stant ESD BS Ef Radiated BS Ef EFT/Burst BS Ef Surge BS Ef Conducted BS Ef Magnetic Field BS Ef	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC / 25°C / 70% RH dard N/EN55015(CISPR15) , GB/T 17743 N/EN55015(CISPR15) , GB/T 17743 N/EN61000-3-2 , GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8	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 4			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stant Conducted BS Ef Radiated BS Ef Harmonic Current BS Ef Voltage Flicker BS Ef BS EN/EN61547 Stant Parameter Stant ESD BS Ef Radiated BS Ef EFT/Burst BS Ef Surge BS Ef Conducted BS Ef Magnetic Field BS Ef	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6	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			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stant Conducted BS Ef Radiated BS Ef Harmonic Current BS Ef Voltage Flicker BS Ef BS EN/EN61547 Stant Parameter Stant ESD BS Ef Radiated BS Ef EFT/Burst BS Ef Surge BS Ef Conducted BS Ef Magnetic Field BS Ef	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15), GB/T 17743 N/EN55015(CISPR15), GB/T 17743 N/EN61000-3-2, GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-8 N/EN61000-4-11	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
EMC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	KC6¹347-1.KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stant Parameter Stant Conducted BS Ef Radiated BS Ef Harmonic Current BS Ef Voltage Flicker BS Ef BS EN/EN61547 Stant Parameter Stant ESD BS Ef Radiated BS Ef EFT/Burst BS Ef Surge BS Ef Conducted BS Ef Magnetic Field BS Ef Voltage Dips and Interruptions BS Ef 3404.7K hrs min. Telcordia SR-332 (Bellcore);	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15), GB/T 17743 N/EN55015(CISPR15), GB/T 17743 N/EN61000-3-2, GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-8 N/EN61000-4-11	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
MC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	KC6¹347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stanc Parameter Stanc Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 BS EI Parameter Stanc ESD BS EI Radiated BS EI EFT/Burst BS EI Surge BS EI Conducted BS EI Magnetic Field BS EI Voltage Dips and Interruptions BS EI 3404.7K hrs min. Telcordia SR-332 (Bellcore); 140*63*32mm (L*W*H) Felordia SR-332 (Bellcore);	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15), GB/T 17743 N/EN55015(CISPR15), GB/T 17743 N/EN61000-3-2, GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-8 N/EN61000-4-11	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
DTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stant Parameter Stant Conducted BS Ef Radiated BS Ef Harmonic Current BS Ef Voltage Flicker BS Ef BS EN/EN61547 BS Ef Parameter Stant ESD BS Ef Radiated BS Ef Radiated BS Ef EFT/Burst BS Ef Surge BS Ef Conducted BS Ef Magnetic Field BS Ef Voltage Dips and Interruptions BS Ef 3404.7K hrs min. Telcordia SR-332 (Bellcore); 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15), GB/T 17743 N/EN55015(CISPR15), GB/T 17743 N/EN61000-3-2, GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-8 N/EN61000-4-11 276.3Khrs min. MIL-HDBK-217	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods F (25℃)			
OTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	KC6¹347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 Stanc Parameter Stanc Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EI BS EN/EN61547 BS EI Parameter Stanc ESD BS EI Radiated BS EI EFT/Burst BS EI Surge BS EI Conducted BS EI Magnetic Field BS EI Voltage Dips and Interruptions BS EI 3404.7K 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	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15), GB/T 17743 N/EN55015(CISPR15), GB/T 17743 N/EN61000-3-2, GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-8 N/EN61000-4-11 276.3Khrs min. MIL-HDBK-217	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods F (25℃)			
SAFETY & EMC	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"	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. Stant Parameter Stant Conducted BS Ef Radiated BS Ef Harmonic Current BS Ef Voltage Flicker BS Ef BS EN/EN61547 BS Ef Parameter Stant ESD BS Ef Radiated BS Ef EFT/Burst BS Ef Surge BS Ef Conducted BS Ef Magnetic Field BS Ef Voltage Dips and Interruptions BS Ef 3404.7K 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 TTHODS OF LED MODULE". at 20MHz of bandwidth by using a 12" twisted pa	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC /25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-11 276.3Khrs min. MIL-HDBK-217 current and 25°C of ambient tempera	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods F (25°C)			
OTHERS	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 4. Tolerance: includes set up to	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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 / 50∪VDC. Parameter Stand Conducted BS EI Radiated BS EI Harmonic Current BS EI Voltage Flicker BS EN/EN61547 Parameter Stand ESD BS EI Radiated BS EI Radiated BS EI Radiated BS EI SEN/EN61547 Parameter Stand ESD BS EI Radiated BS EI Radiated BS EI Radiated BS EI Voltage Dips and Interruptions BS EI 3404.7K 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 it HODD of LED MODULE". as learned, line regulation and load regulation.	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC /25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-2 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-11 276.3Khrs min. MIL-HDBK-217 current and 25°C of ambient tempera	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods F (25°C)			
OTHERS	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 4. Tolerance: includes set up to 5. De-rating may be needed une 6. Length of set up time is meas	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. BS End Parameter Stant Conducted BS End Radiated BS End Harmonic Current BS End Voltage Flicker BS End BS EN/EN61547 BS End Parameter Stant ESD BS End Radiated BS End BS End BS End Surge BS End Conducted BS End Magnetic Field BS End Voltage Dips and Interruptions BS End 3404.7K 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 introduced, line regulation and load regulation. Breance, line regulation and load regulation. der low input voltages. Please refer to "STATIC Characteristics" of STATIC Characteristics cold start. Turning ON/OFF the driver	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC //25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 N/EN61000-4-8 N/EN61000-4-11 276.3Khrs min. MIL-HDBK-217 current and 25°C of ambient tempera ir-wire terminated with a 0.1uf & 47uf HARACTERISTIC" sections for details may lead to increase of the set up til	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods F (25°C)			
DTHERS	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 4. Tolerance: includes set up to 5. De-rating may be needed un 6. Length of set up time is meas 7. Input over voltage only for XL	KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for 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. BS Entropy Parameter Stand Conducted BS Entropy Radiated BS Entropy Harmonic Current BS Entropy Voltage Flicker BS Entropy BS EN/EN61547 BS Entropy Parameter Stand ESD BS Entropy Radiated BS Entropy EFT/Burst BS Entropy Conducted BS Entropy Magnetic Field BS Entropy Voltage Dips and Interruptions BS Entropy 3404.7K 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 at THODS OF LED MODULE". at 20MHz of bandwidth by using a 12" twisted palerance, line regulation and load regulation. Jer low input voltages. Please refer to "STATIC CHERROR Entropy input voltages. Please refer to "STATIC CHERROR Entropy input voltages.	XLG-75I type only); NOM-058-SCFI-20 1.5KVAC /25°C/70% RH dard N/EN55015(CISPR15) ,GB/T 17743 N/EN55015(CISPR15) ,GB/T 17743 N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-11 276.3Khrs min. MIL-HDBK-217 current and 25°C of ambient tempera ir-wire terminated with a 0.1uf & 47ut that and the set up to tate.	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 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods F (25°C) ature. f parallel capacitor. s. me.			

- complete installation, the intal equipment manufacturers must re-quality EMC Directive on the complete installation again.
 (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf)

 9. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 75°C or less.

 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com

 11. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

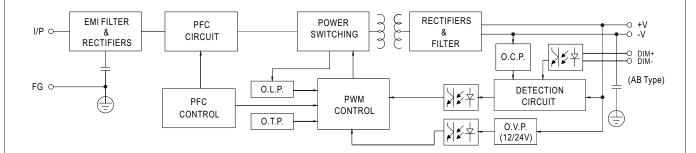
 12. Products sourced from the Americas regions may not have the PSE/CCC/BIS/KC logo. Please contact your MEAN WELL sales for more information.

 13. To fullfill requirements of the latest ErP regulation for lighting fixtures, this LED drivers can only be used behind a switch without permanently connected to the mains 13. To tallilli requirements of the latest ETP regulation to lighting lixtures, this EED drivers can only be used benind a syto to the mains
 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.
- ** Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



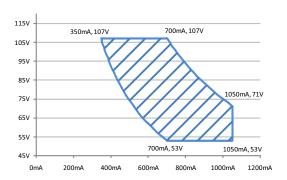
■ BLOCK DIAGRAM

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

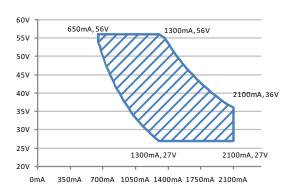


■ DRIVING METHODS OF LED MODULE

% I-V Operating Area

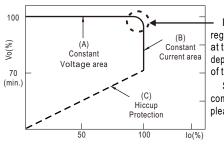


Recommend Performance Region



Recommend Performance Region

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



 In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please please contact MEAN WELL.

Typical output current normalized by rated current (%)

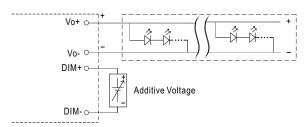


■ DIMMING OPERATION



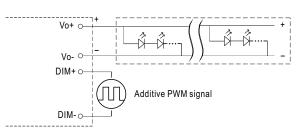
※ 3 in 1 dimming function (for AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
 0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 100 μ A (typ.)



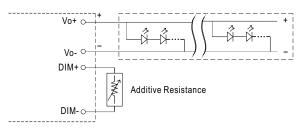
"DO NOT connect "DIM- to Vo-"

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

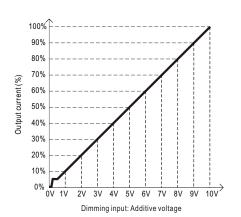


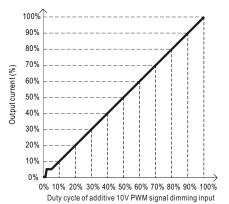
"DO NOT connect "DIM- to Vo-"

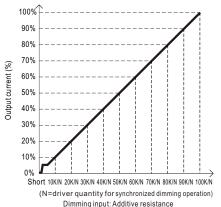
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





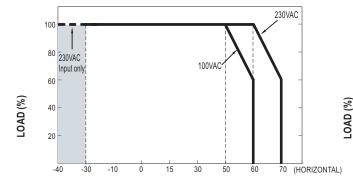


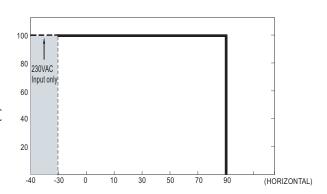
Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%

2. The output current could drop down to 0% when dimming input is about 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 $^{\circ}$ C (Typ. 230VAC) or 50 $^{\circ}$ C (Typ. 100VAC) Below 110VAC@ -30 $^{\circ}$ C may retry to 2nd setup

■ STATIC CHARACTERISTIC

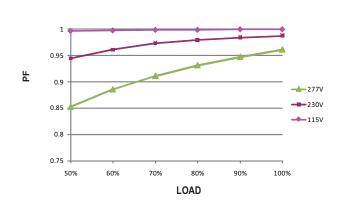
100 90 -80 -70 --100 110 140 160 180 200 220 240 260 280 305 INPUT VOLTAGE (V) 60Hz

■ POWER FACTOR (PF) CHARACTERISTIC

※ Tcase at 75°

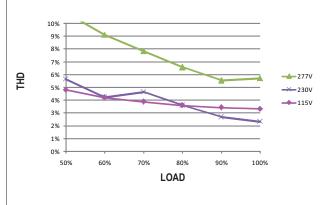
C

Constant Current Mode



■ TOTAL HARMONIC DISTORTION (THD)

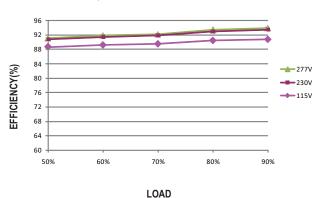
※ XLG-75-L Model, Tcase at 75°C



■ EFFICIENCY vs LOAD

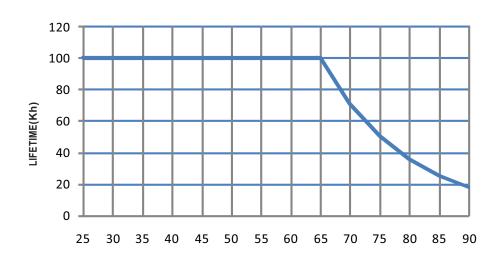
XLG-75 series possess superior working efficiency that up to 92% can be reached in field applications.

※ XLG-75-L Model, Tcase at 75°C



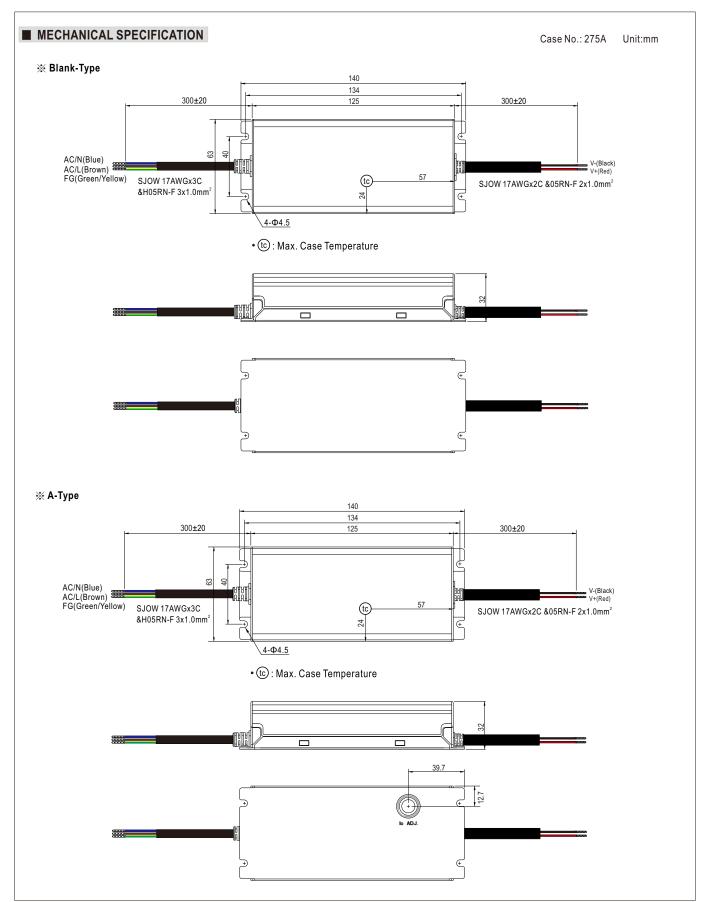


■ LIFE TIME



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





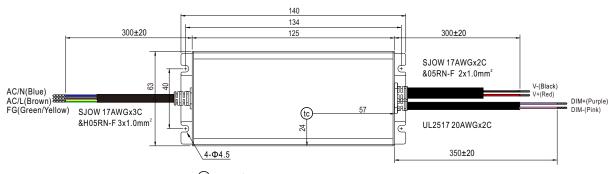
Unit:mm

Case No.: 275A

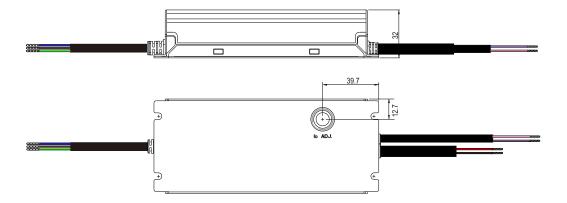


■ MECHANICAL SPECIFICATION

※ AB-Type



• (tc): Max. Case Temperature



■ Recommend Mounting Direction



■ INSTALLATION MANUAL

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