

















Features

- Wide input range 100~305V AC(Class I)
- Full power output at 70~100% Constant power mode operation
- · Metal case with IP67, suitable for outdoor application
- Surge protection with 6KV/4KV (10KV/6KV optional)
- 3 in 1 dimming function (Dim to off and Isolation design)
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- Protection functions: OVP/SCP/OCP/OTP
- 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

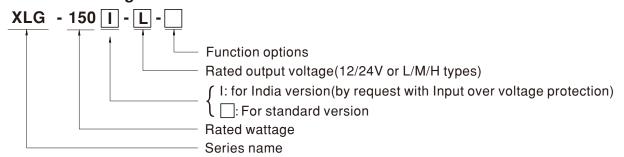
GTIN CODE

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

Description

XLG-150 series is a 150W LED AC/DC driver featuring the constant power mode.XLG-150 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 12500mA. Thanks to the high efficiency up to 93%, 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-150 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	Io 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

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

SPECIFICATION

MODEL		XLG-15012	XLG-15024-[
	DC VOLTAGE	12V	24V				
ОИТРИТ	CONSTANT CURRENT REGION Note.2	8.4~ 12V	16.8~ 24V				
	RATED CURRENT (Default)	12.5A	6.25A				
	RATED POWER	150W	150W				
	RIPPLE & NOISE (max.) Note.3	150mVp-p 240mVp-p					
		Adjustable for A-Type only (via the built-in potentiometer)					
	CURRENT ADJ. RANGE	6.5~ 12.5A 3.2~ 6.25A					
	VOLTAGE TOLERANCE Note.4	±3.0% ±2.0%					
	LINE REGULATION	±0.5%	±0.5%				
		±0.5% ±0.5% ±1%					
	LOAD REGULATION						
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115	DVAC				
	HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/ 115VAC					
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC					
		(Please refer to STATIC CHARACTERISTIC section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR	$PF \ge 0.97/115VAC, PF \ge 0.95/230VAC, PF \ge 0.95/230VAC$.92/277VAC@full load				
	TOTAL HARMONIC DISTORTION	THD< 10%(@load≧50%/115VC,230VAC; @	load≧75%/277VAC)				
NPUT	EFFICIENCY (Typ.)	91.5%	93%				
	AC CURRENT	1.8A / 115VAC 1.0A / 230VAC 0.8A/277	1.8A/115VAC 1.0A/230VAC 0.8A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=500µs measured a	t 50% Ipeak) at 230VAC; Per NEMA 410				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC					
		.0.75 . A / 0.771 / 0.0					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W(for standard)	No load power consumption <0.5W(for standard version)				
	T GITER GORGOMI TION	440 4000/ for CV him 05 4000/ for all and in a					
	OVER CURRENT	110 ~ 160% for CV type, 95~108% for other ty					
		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: Hiccu		atomatically after fault condition is removed			
PROTECTION	OVER VOLTAGE	13.5 ~ 18V 27 ~ 34V					
		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 removed)					
		Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-150I series)					
	OVER TEMPERATURE	Shut down output voltage, re-power on to reco	over				
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPU"	Γ LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.06%/°C (0 ~ 60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72n	nin, each along X, Y, Z axes				
		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 60338					
	SAFETY STANDARDS Note.7	compliant to EN 60335-2-89 Annex BB, EN 603	335-2-24 Annex CC;GB19510.1, GB19510.	14; EAC TP TC 004; J61347-1(H29), J61347-2-13(H29),			
		compliant to EN 60335-2-89 Annex BB, EN 603 KC61347-1,KC61347-2-13,IS15885(Part2/Sec	335-2-24 Annex CC;GB19510.1 , GB19510. c13)(for XLG-150I type only);NOM-058-SCF	14; EAC TP TC 004; J61347-1(H29), J61347-2-13(H29),			
	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC	14; EAC TP TC 004; J61347-1(H29), J61347-2-13(H29),			
		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-I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V	335-2-24 Annex CC;GB19510.1 , GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), FI-2017(except for Blank type);IP67 approved			
	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLC-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), Fl-2017(except for Blank type);IP67 approved			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLC-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), Fl-2017(except for Blank type);IP67 approved Test Level/Note			
	WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), Fl-2017(except for Blank type);IP67 approved Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLC-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), Fl-2017(except for Blank type);IP67 approved Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), FI-2017(except for Blank type);IP67 approved Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(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 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(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 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	335-2-24 Annex CC;GB19510.1, GB19510. c13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(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 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-4	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2			
SAFETY & EMC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 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 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V 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;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29); II-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
EMC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2269.5K hrs min. Telcordia SR-332 (Bellco	335-2-24 Annex CC;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	compliant to EN 60335-2-89 Annex BB, EN 60: KC61347-1,KC61347-2-13,IS15885(Part2/Sec I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P- I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V 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;GB19510.1, GB19510. 13)(for XLG-150I type only);NOM-058-SCF FG:1.5KVAC /DC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8	14;EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), FI-2017(except for Blank type);IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			

- 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". (Except for CV-type)

 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. Only CE/ENEC/CB is available for CV-type. XLG-150I 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 Tease, particularly (c) point (or TMP, per DLC), is about 75°C or less.

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

 13. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf

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

 15. If you need the NOM (Mexico) certificate, Please contac

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



SPECIFICATION

MODEL		XLG-150L	XLG-150M	XLG-150H			
	RATED CURRENT (Default)	700mA	1400mA	2800mA			
ОИТРИТ	RATED POWER	150W	150W	150W			
	CONSTANT CURRENT REGION	120 ~214V	60 ~ 107V	27 ~ 56V			
	FULL POWER CURRENT RANGE	700~1050mA	1400~2100mA	2680~4170mA			
	OPEN CIRCUIT VOLTAGE (max.)	225V	115V	60V			
	AUDDENT AD L DANIGE	Adjustable for A/AB-Type only (via the built-in potentiometer)					
	CURRENT ADJ. RANGE	350~1050mA	700~2100mA	1400~4170mA			
	CURRENT RIPPLE	4.0%(@ full load)	3.0%(@ full load)	3.0%(@ full load)			
	CURRENT TOLERANCE	±5%					
	SET UP TIME	500ms/230VAC, 1200ms/115VAC					
		100 ~ 305VAC 142VDC ~ 431VDC					
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC	E"section)				
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	$PF \ge 0.97 / 115VAC$, $PF \ge 0.95 / 230VAC$, $PF \ge 0.92 / 277VAC$ at full load					
	TOWERTACION (Typ.)	(Please refer to "Power Factor Characteristic" section)					
	TOTAL HARMONIC DISTORTION	THD<10% (@ load≥50% at 115VAC/230VAC ,@load≥75% at 277VAC)					
	TO TAL TIARMIONIO DISTORTION	Please refer to "TOTAL HARMONIC DISTORTION (THD)" section					
NDUT	EFFICIENCY (Typ.)	93%	92.5%	92%			
NPUT	AC CURRENT (Typ.)	1.8A / 115VAC 1.0A / 230VAC 0.8A/27	7VAC				
	INRUSH CURRENT(Typ.)	COLD START50A(twidth=500µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A	4 unit(circuit breaker of type B) / 8 units(circuit breaker of type C) at 230VAC					
	CIRCUIT BREAKER	4 unit(circuit breaker of type b) / 8 units(circuit breaker of type C) at 250VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY POWER	Standby power consumption <0.5W for AB-T	ivne(Dimming OFF)(for standard version)				
	CONSUMPTION Note.14	Standby power consumption <0.5W for AB-Type(Dimming OFF)(for standard version)					
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, red	covers automatically after fault condition is rem	oved			
	OVER VOLTAGE	230 ~ 265V	128~ 150V	61 ~ 85V			
	OVER VOLIAGE	Shut down output voltage, re-power on to red	covery				
OTECTION	INDUT OVER VOLTACE	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is removed)					
	INPUT OVER VOLTAGE	Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-150I series)					
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover					
	WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
VIRONMENT	STORAGE TEMP., HUMIDITY	$-40 \sim +80^{\circ}$ C, $10 \sim 95\%$ RH non-condensing					
	TEMP. COEFFICIENT	±0.06%/°C (0 ~ 60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72	min. each along X, Y, Z axes				
	VIDRATION	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(Partz/Sec13) (for XLG-150I type only); NOM-058-SCFI-2017 (except for Blank type); IP67 approved					
	SAFETY STANDARDS Note.7	compliant to EN 60335-2-89 Annex BB, EN 60	0335-2-24 Annex CC;GB19510.1 , GB19510.14;	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29)			
		compliant to EN 60335-2-89 Annex BB, EN 60	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29)			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Set I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29)			
	SAFETY STANDARDS Note.7	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) 017(except for Blank type);IP67 approved			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500' Parameter	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) 017(except for Blank type); IP67 approved Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Partz/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29) 017(except for Blank type); IP67 approved Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Partz/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Partz/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500' Parameter Conducted Radiated Harmonic Current	0335-2-24 Annex CC;GB19510.1, GB19510.14; cc13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50%			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Partz/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	0335-2-24 Annex CC;GB19510.1, GB19510.14; 1013)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type);iP67 approved Test Level/Note Class C @load≥50%			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level/Note			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	0335-2-24 Annex CC;GB19510.1, GB19510.14; ec13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved 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	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	0335-2-24 Annex CC;GB19510.1, GB19510.14; 0c13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	0335-2-24 Annex CC;GB19510.1, GB19510.14; bc13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	0335-2-24 Annex CC;GB19510.1, GB19510.14; 2013)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option)			
AFETY & MC	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	0335-2-24 Annex CC;GB19510.1, GB19510.14; ac13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	0335-2-24 Annex CC;GB19510.1, GB19510.14; 2013)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	0335-2-24 Annex CC;GB19510.1, GB19510.14; ac13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2			
AC	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500' Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	0335-2-24 Annex CC;GB19510.1, GB19510.14; ac13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
	SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	compliant to EN 60335-2-89 Annex BB, EN 60 KC61347-1,KC61347-2-13,IS15885(Part2/Se I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	0335-2-24 Annex CC;GB19510.1, GB19510.14; ac13)(for XLG-150I type only);NOM-058-SCFI-2 -FG:1.5KVAC VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	EAC TP TC 004; J61347-1(H29), J61347-2-13(H29 017(except for Blank type); IP67 approved Test Level/Note Class C @load≥50% Test Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			

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

 3. 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-150I 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

- 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 75°C or less.

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

 13. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf

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

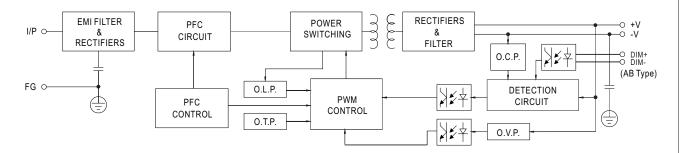
 15. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details.

 16. For A/AB type need to consider build in using to comply with Type HL application.
- ** Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



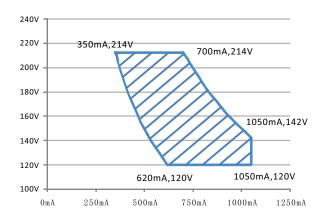
■ BLOCK DIAGRAM

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

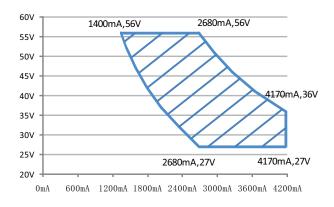


■ DRIVING METHODS OF LED MODULE

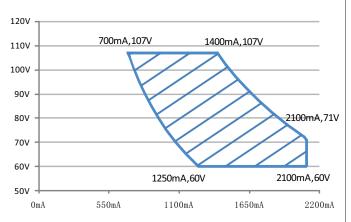
% I-V Operating Area



Recommend Performance Region

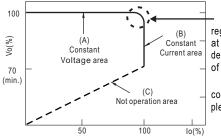


Recommend Performance Region



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, except for CV-type.



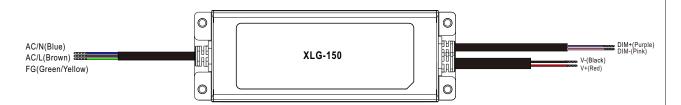
 In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

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

Typical output current normalized by rated current (%)

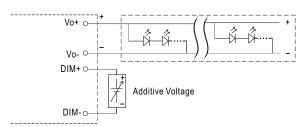


■ DIMMING OPERATION

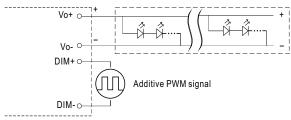


* 3 in 1 dimming function (for AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: $0 \sim 10 \text{VDC}$, or 10 V 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.)

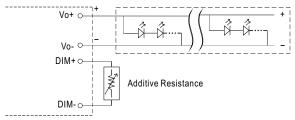


"DO NOT connect "DIM- to Vo-"

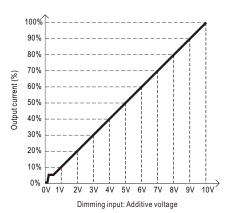


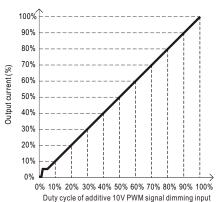
"DO NOT connect "DIM- to Vo-"

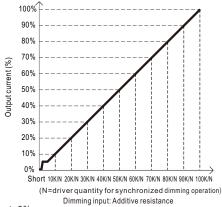
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





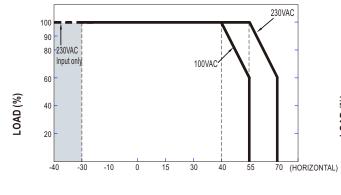


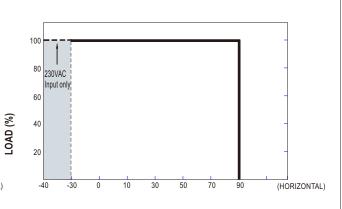
Note: 1. Min. dimming level is about 8% and the output current is not defined when 0%< Iout<8%.

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



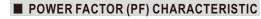


AMBIENT TEMPERATURE, Ta (°C)

Tcase (°C)

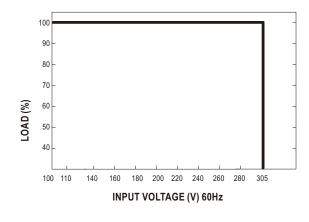
If XLG-150 operates in Constant Current mode with the rated current the maximum workable Ta is 55° C (Typ. 230VAC) or 40° C (Typ.100VAC). Below 110VAC@-30 $^{\circ}$ C may has restart situation within 5s after power-on.

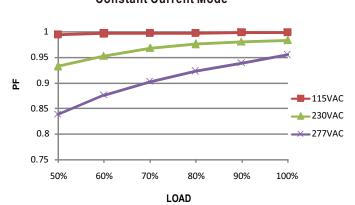
■ STATIC CHARACTERISTIC



★ Tcase at 75°C







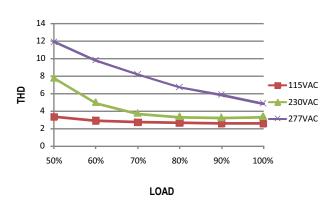
■ TOTAL HARMONIC DISTORTION (THD)

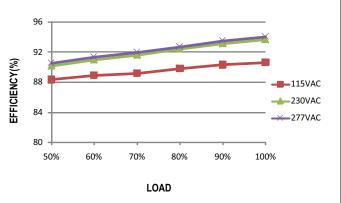
■ EFFICIENCY vs LOAD

※ XLG-150-L Model, Tcase at 75°C

 $\rm XLG\text{-}150$ series possess superior working efficiency that up to 93% can be reached in field applications.

ightarrow XLG-150-L Model, Tcase at 75 $^{\circ}$ C







■ LIFE TIME

