







De transfer ™ W SELV IP67 IP III 🙆 c 🎇 us 🐼 CBCE K 🔍

Applications

GTIN CODE

· LED street lighting

LED bay lighting

LED floodlighting

LED architectural lighting

• Type "HL" for use in Class I, Division 2

hazardous (Classified) location.

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

Features

- Constant Power mode output
- · Metal housing design with functional Ground
- Built-in active PFC function
- · Class 2 power unit
- No load / Standby power consumption <0.5W
- · IP67 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer 3 in 1 dimming function (Dim to off and Isolation design)
- Typical lifetime>50000 hours
- 5 years warranty

Description

XLG-50 series is a 50W AC/DC LED driver featuring the constant power mode output. XLG-50 operates from 90~305VAC. Thanks to the high efficiency up to 90%, The entire series is able to operate between -40°C ~90°C wide case temperature range with air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications.XLG-50 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.XLG-50 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	
XLG - 50 🛛 - A	
	 Function mode option I: for India version(by request with Input over voltage protection) For standard version
	—— Rated wattage
	Series name

Туре	IP Level	Function	Note
A	IP67	Io adjustable through built in potentiometer.	In Stock
AB	IP67	Io adjustable through built in potentiometer 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock

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



SPECIFICATION

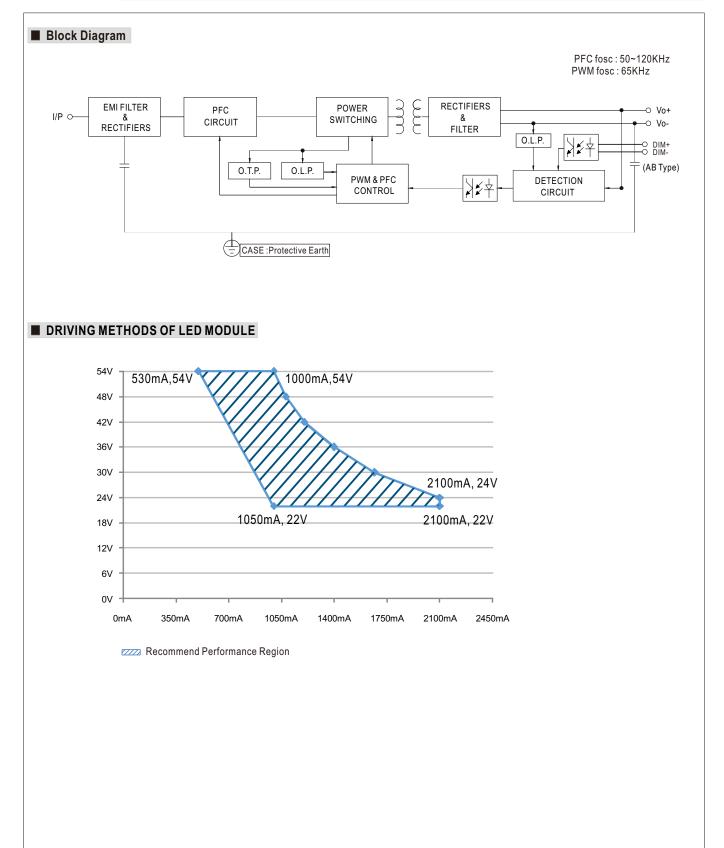
MODEL							
-		XLG-50 -					
	RATED CURRENT (Default)	1A					
		IT CURRENT REGION Note.2 22 ~54V					
OUTPUT							
001101	RATED POWER	50W					
	CURRENT RIPPLE	5.0% max. @rated current 57V					
	OPEN CIRCUIT VOLTAGE (max.)						
	CURRENT ADJ. RANGE	0.53 ~ 2.1A					
	SETUP, RISE TIME Note.3	500ms, 100ms/115VAC, 230VAC					
		90 ~ 305VAC 127 ~ 431VDC					
	VOLTAGE RANGE Note.4	(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 (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	TOTAL HARMONIC DISTORTION						
INPUT	EFFICIENCY (Typ.) Note.10						
	AC CURRENT INRUSH CURRENT(Typ.)	0.57A / 115VAC 0.29A / 230VAC 0.24A/277VAC					
	MAX. No. of PSUs on 16A	COLD START 50A(twidth=350µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	CIRCUIT BREAKER	5 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
	NO LOAD / STANDBY POWER CONSUMPTION		No load power consumption <0.5W for A, <0.75W for I series Standby power consumption <0.5W for AB-Type(Dimming OFF)				
	OVER POWER	110-150% Over Power Protection, recover	ers automatically after fault condition is removed				
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed					
	OVER TEMPERATURE	Hiccup mode, recovers automatically after	er fault condition is removed				
PROTECTION	INPUT OVER VOLTAGE Note.8	320 ~ 370VAC (Shut down output voltage	e when the input voltage exceeds protection voltage, recover	ers automatically after fault condition is removed)			
	INPUT OVER VOLTAGE Note.o	Can survive input voltage stress of 440Va	ac for 48 hours				
	WORKING TEMP.	Tcase=-40 ~ +90 $^\circ\mathrm{C}$ (Please refer to " OU	TPUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20~95%					
ENVIRONMENT	STORAGE TEMP.	-40 ~ +80°C					
	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.8	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC AS/NZS IEC BS EN/EN61347-1, AS/NZS BS EN/EN61347-2-13 independent, BS EN/EN62384; IP67; 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-50I type only); NOM-058-SCFI-2017 approved					
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC	O/P-FG:1.5KVAC				
EMC	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) ,GB/T 17743				
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15) ,GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-2 ,GB17625.1	Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-3				
		Voltage Flicker BS EN/EN61547	BS EN/EN61000-3-3				
			BS EN/EN61000-3-3 Standard	Test Level/Note			
		BS EN/EN61547 Parameter ESD	Standard BS EN/EN61000-4-2	Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
		BS EN/EN61547 Parameter ESD Radiated	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Level 3, 8KV air ; Level 2, 4KV contact Level 3			
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3			
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth			
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	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	Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth Level 3			
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	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	Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth Level 3 Level 4			
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	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	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,			
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	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/EN61000-4-11	Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth Level 3 Level 4			
OTHERS		BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	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/EN61000-4-11	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,			
OTHERS	MTBF DIMENSION PACKING	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 3931.6 K hrs min. Telcordia SR-332 (Belle 105*63*30mm (L*W*H) 0.41Kg;24pcs/ 10.5Kg/0.81CUFT for A-ty mentioned are measured at 230VAC inp	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/EN61000-4-11	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,			

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

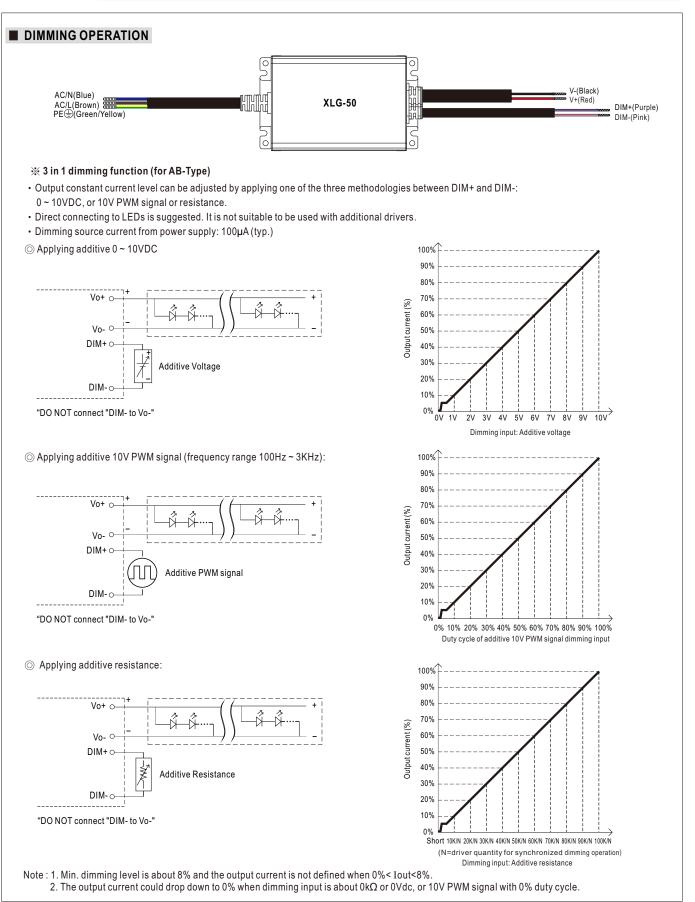
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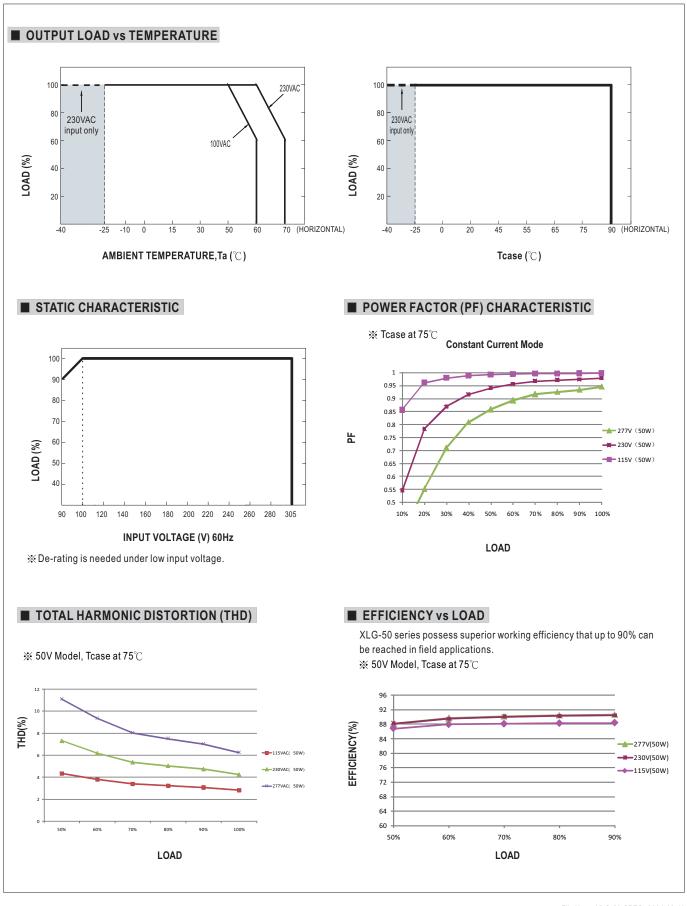
50W Constant Power Mode LED Driver







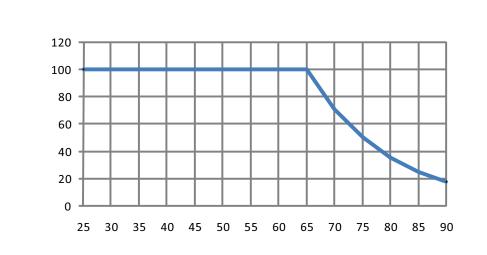






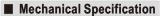
■ LIFE TIME

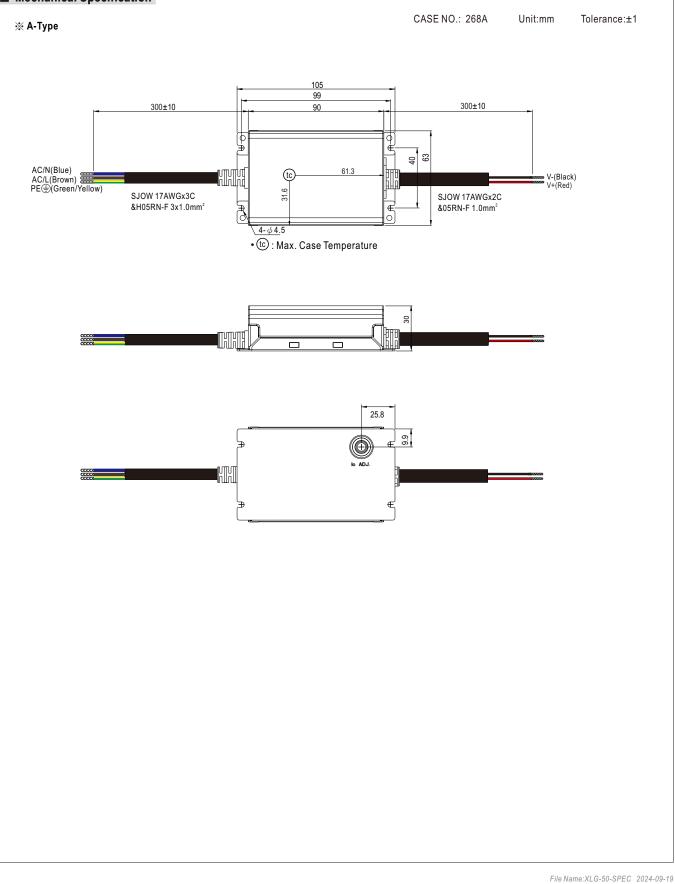
LIFETIME(Kh)



Tcase (°C)









АВ-Туре

