

- Protection functions: SCP/OTP
- · Life time >50,000 hrs. and 5 years warranty

Description

XLG-150-DA2 series is a 150W LED AC/DC driver featuring the constant power mode with DALI-2 dimming function. XLG-150-DA2 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 4170mA. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for $-40^{\circ}C \sim +90^{\circ}C$ 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-DA2 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.

GTIN CODE

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

Model Encoding

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XLG - 150 🔲 - 📙 - DA2	
	DA2: DALI-2 dimming function DA2-A: DALI-2 dimming function with12V/250mA Auxiliary available(optional) Determine function with12V/250mA Auxiliary available(optional)
	— Rated output voltage(L/M/H types)
	Tipot India version (by request with Input over voltage protection)
	Rated wattage
	— Series name

Туре	Function	Note			
DA2	DALI-2 control technology with lo adjustable via built-in potentiometer	In Stock			
DA2-A	DALI-2 control technology with lo adjustable via built-in potentiometer and auxiliary power 12V/250mA	by request			



SPECIFICATION

MODEL		XLG-150 -L-	XLG-150M	XLG-150H			
	RATED CURRENT	700mA	1400mA	2800mA			
	RATED POWER	150W	150W	150W			
	CONSTANT CURRENT REGION Note.2	120~214V	60 ~ 107V	27~56V			
	FULL POWER CURRENT RANGE	700~1050mA	1400~2100mA	2680~4170mA			
OUTPUT	OPEN CIRCUIT VOLTAGE (max.)	240V	120V	65V			
001101	CURRENT ADJ. RANGE	(Via the built-in potentiometer)					
	CURRENT ADJ. RANGE	350~1050mA	700~2100mA	1400~4170mA			
	CURRENT RIPPLE	4.0%(@ full load)					
	CURRENT TOLERANCE	±5%					
	AUXILIARY DC OUTPUT	12V@250mA tolerance ±10%, ripple 200mVp-p (only for DA2-A-type)					
	SET UP TIME	500ms/230VAC, 1200ms/115VAC					
	VOLTAGE RANGE Note.4	100 ~ 305VAC 142VDC ~ 431VDC					
	FREQUENCY RANGE	(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)					
	FREQUENCI RANGE	47 ~ 63Hz PF≥0.97 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load					
	POWER FACTOR (Typ.)	(Please refer to "Power Factor Characteristic" section)					
			C/230VAC .@load≥75% at 277VAC)				
	TOTAL HARMONIC DISTORTION	THD<10% (@ load≧50% at 115VAC/230VAC ,@load≧75% at 277VAC) Please refer to "TOTAL HARMONIC DISTORTION (THD)" section					
	EFFICIENCY (Typ.) Note.14						
INPUT	AC CURRENT (Typ.)		.8A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=500µs measured at 50% lpeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A	, I					
	CIRCUIT BREAKER	4 unit(circuit breaker of type B) / 6 units(circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY POWER						
	CONSUMPTION	Standby power consumption <0.5W (Standby power consumption <0.5W (Dimming OFF, Only for standard version DA2-type)				
	SHORT CIRCUIT	Hiccup mode or Constant current limi	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed				
			ge when the input voltage exceeds protection voltage, re				
PROTECTION	INPUT OVER VOLTAGE Note.7	Can survive input voltage stress of 44	40Vac for 48 hours	· · ·			
	OVER TEMPERATURE	Stage 1: Derating to 75% loading; sta	age 2: Derating to 50% loading. recovers automatical	ly after fault condition is removed			
	WORKING TEMP.		OUTPUT LOAD vs TEMPERATURE" section)	•			
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-conde	ensing				
	TEMP. COEFFICIENT	±0.06%/°C (0~60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period	d for 72min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations(DC Input: 176-280Vdc) independent, BS EN/EN62384; GB19510.1, GB19510.14; EAC TP TC 004; IS 15885(Part2/Sec13)(for XLG-150I-DA2 only); IP67 approved					
	DALI STANDARDS	Comply with IEC62386-101,102,20					
	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 Ohm	ns / 500VDC / 25°C / 70% RH				
		Parameter	Standard	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR15) ,GB/T 17743				
		Radiated	BS EN/EN55015(CISPR15), GB/T 17743				
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2 ,GB17625.1	Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-3				
SAFETY &		BS EN/EN61547	Delivertoree				
EMC		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 2			
		EFT/Burst	BS EN/EN61000-4-4	Level 3			
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth			
		Conducted	BS EN/EN61000-4-6	Level 2			
		Magnetic Field	BS EN/EN61000-4-8	Level 4			
		•		>95% dip 0.5 periods, 30% dip 25 periods,			
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% interruptions 250 periods			
OTUEDO	MTBF	2316.2Khrs min. Telcordia SR-332 (Bellcore); 213.3Khrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION	180*63*35.5mm (L*W*H)					
	PACKING	0.8Kg;16pcs/13.4Kg/0.67CUFT					
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Please refer to "DRIVING METHODS OF LED MODULE". Tolerance : includes set up tolerance, line regulation and load regulation. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 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.Especially when the temperature inside driver is very high, it will lead to a longer set up time. 						
	 6. Based on IEC 62386-101/102 DALI power on timing and interruption regulations, the set up time needs to test with a DALI controller which can support for DALI power on function, otherwise the set up time will be longer than 500ms. 7. Input over voltage only for XLG-150 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. The ambient temperature derat 10. Please refer to the warranty s 11. This series meets the typical 12. Products sourced from the An 13. For any application note and https://www.meanwell.com/Up 14. The efficiency will drop 1% ba	ing of 3.5°C/1000m with fanless models tatement on MEAN WELL's website at f fe expectancy of >50,000 hours of oper nericas regions may not have the CCC// P water proof function installation cautic load/PDF/LED_EN.pdf sed on auxiliary power version with full	: and of 5℃/1000m with fan models for operating altitu http://www.meanwell.com ation when Tcase, particularly (ⓒ point (or TMP, per D PSE/BIS/KC logo. Please contact your MEAN WELL si on, please refer our user manual before using. load 3W condition.	LC), is about 75 [°] C or less. ales for more information.			
		tary basis. Non IC classification Indeper	ndent LED control gear is not suitable for residential in ZS standards complying with AS/NZS 4417.1	stallations;			



















