























## 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
- DALI-2 Dimming with minimum level 8%
- 12V/250mA Auxiliary power available(optional)
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- Protection functions: SCP/OTP
- Life time >50,000 hrs. and 5 years warranty

## Applications

- · Street lighting
- · Floodlight Lighting
- · Stage lighting
- Fishing lighting
- · Horticulture lighting
- Bay lighting
- Type HL for use in class I, Division 2

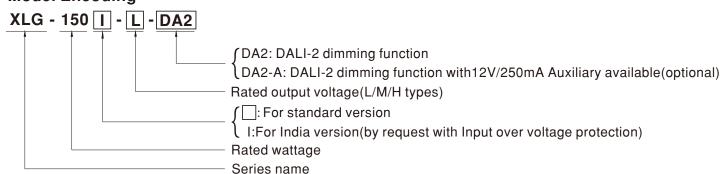
#### GTIN CODE

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

## 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 ~+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.

## Model Encoding



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

# 150W Constant Power Mode with DALI-2 LED Driver XLG-150-DA2 series

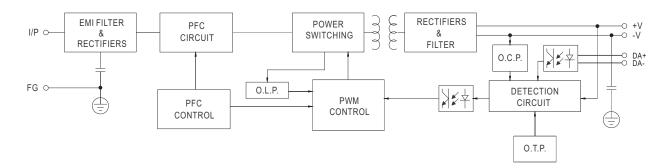
## SPECIFICATION

MODEL	ICATION					
		XLG-150L	XLG-150M	XLG-150 -H-		
	RATED CURRENT	700mA	1400mA	2800mA		
ОИТРИТ	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		
	OPEN CIRCUIT VOLTAGE (max.)	240V	120V	65V		
	CURRENT ADJ. RANGE	(Via the built-in potentiometer)				
	CONNENT ADD. NAMOL	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				
		(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				
		(Please refer to "Power Factor Characteristic" section)				
	TOTAL HARMONIC DISTORTION	THD< 10% (@ load ≥ 50% at 115VAC/230VAC,@load ≥ 75% at 277VAC) Please refer to "TOTAL HARMONIC DISTORTION (THD)" section				
	EFFICIENCY (T. ) N. 4. 4.4			000/		
NPUT	EFFICIENCY (Typ.) Note.14					
•	AC CURRENT (Typ.)	1.8A / 115VAC 1.0A / 230VAC 0.8A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=500µs measured at 50% lpeak) at 230VAC; Per NEMA 410				
	MAX. NO. of PSUs on 16A	4 unit(circuit breaker of type B) / 6 units(circuit breaker of type C) at 230VAC				
	CIRCUIT BREAKER					
	LEAKAGE CURRENT	<0.75mA / 277VAC				
	STANDBY POWER	Standby power consumption <0.5W (Dimming OFF, Only for standard version DA2-type)				
	CONSUMPTION	11.				
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed				
ROTECTION	INPUT OVER VOLTAGE Note.7	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				
	OVER TEMPERATURE	Stage 1: Derating to 75% loading; stage 2: Derating to 50% loading. recovers automatically after fault condition is removed				
	WORKING TEMP.	- '	UTPUT LOAD vs TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+90°C				
VIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
WINCOMINE IN	STORAGE TEMP., HUMIDITY	$-40 \sim +80^{\circ}\text{C}$ , $10 \sim 95\%$ RH non-condensing				
	TEMP. COEFFICIENT	±0.06%/°C (0~60°C)				
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period 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;				
	OAI ETT OTANDARDO					
	DALL OTANDARDO	IS 15885(Part2/Sec13)(for XLG-150I-DA2 only); IP67 approved				
	DALI STANDARDS	Comply with IEC62386-101,102,207,251, Device type 6(DT6)				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms		T=		
		Parameter	Standard	Test Level/Note		
		Conducted	BS EN/EN55015(CISPR15), GB/T17743			
			BS EN/EN55015(CISPR15), GB/T17743			
	EMC EMICCION	Radiated	BO ENTENOSO IS(OIGH KTO), OBIT 17745			
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2 ,GB/T17625.1	 Class C @load≥50%		
AFETY &	EMC EMISSION	Harmonic Current Voltage Flicker				
	EMC EMISSION	Harmonic Current Voltage Flicker BS EN/EN61547	BS EN/EN61000-3-2 ,GB/T17625.1 BS EN/EN61000-3-3	Class C @load≥50%		
	EMC EMISSION	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3  Standard	Class C @load≥50% Test Level/Note		
	EMC EMISSION	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD	BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3  Standard BS EN/EN61000-4-2	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact		
	EMC EMISSION	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3  Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2		
		Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD	BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3  Standard BS EN/EN61000-4-2	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact		
	EMC EMISSION	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated	BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3  Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	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		
		Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst	BS EN/EN61000-3-2 ,GB/T17625.1 BS EN/EN61000-3-3  Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3		
		Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge	BS EN/EN61000-3-2, GB/T17625.1 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	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		
		Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	BS EN/EN61000-3-2 ,GB/T17625.1 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	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 Level 2 Level 4  >95% dip 0.5 periods, 30% dip 25 periods,		
		Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge Conducted	BS EN/EN61000-3-2, GB/T17625.1 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	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 Level 2 Level 4		
EMC		Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions	BS EN/EN61000-3-2, GB/T17625.1 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/EN61000-4-11	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 Level 2 Level 4  >95% dip 0.5 periods, 30% dip 25 periods,		
MC	EMC IMMUNITY	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions	BS EN/EN61000-3-2, GB/T17625.1 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/EN61000-4-11	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  Level 2  Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
MC	EMC IMMUNITY	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3	BS EN/EN61000-3-2, GB/T17625.1 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/EN61000-4-11	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 Level 2 Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
DTHERS	EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specially m	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3 180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, re	BS EN/EN61000-3-2, GB/T17625.1 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/EN61000-4-11	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 Level 2 Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
OTHERS	MTBF DIMENSION PACKING  1. All parameters NOT specially m 2. Please refer to "DRIVING METI-	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3 180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, relods of LED MODULE".	BS EN/EN61000-3-2, GB/T17625.1 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/EN61000-4-11  32 (Bellcore); 213.3Khrs min. MIL-HDBK	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 Level 2 Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
OTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially m 2. Please refer to "DRIVING METT 3. Tolerance : includes set up toler 4. De-rating may be needed under	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions 2316.2Khrs min. Telcordia SR-3 180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, racce, line regulation and load regulation. low input voltages. Please refer to "STATH"	BS EN/EN61000-3-2 ,GB/T17625.1 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/EN61000-4-6 BS EN/EN61000-4-11 32 (Bellcore); 213.3Khrs min. MIL-HDBK:	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  Level 2  Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
DTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially m 2. Please refer to "DRIVING METH 3. Tolerance: includes set up toler 4. De-rating may be needed under 5. Length of set up time is measure	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3 180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, radious in the regulation and load regulation. low input voltages. Please refer to "STAThed at first cold start. Turning ON/OFF the december 1988 (1988)	BS EN/EN61000-3-2 ,GB/T17625.1 BS EN/EN61000-3-3  Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-11  32 (Bellcore) ; 213.3Khrs min. MIL-HDBK:	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  Level 2  Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
DTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially m 2. Please refer to "DRIVING METT 3. Tolerance : includes set up toler 4. De-rating may be needed under 5. Length of set up time is measur inside driver is very high, it will le	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3 180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, re ODS OF LED MODULE*. ance, line regulation and load regulation. low input voltages. Please refer to "STATI- ed at first cold start. Turning ON/OFF the dead to a longer set up time.	BS EN/EN61000-3-2 ,GB/T17625.1 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/EN61000-4-6 BS EN/EN61000-4-11 32 (Bellcore); 213.3Khrs min. MIL-HDBK:	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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods .217F (25°C)		
DTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially m 2. Please refer to "DRIVING METH 3. Tolerance : includes set up toler 4. De-rating may be needed under 5. Length of set up time is measur inside driver is very high, it will le 6. Based on IEC 62386-101/102 D DALI power on function,otherwis	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3  180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, radons of LED MODULE*. ance, line regulation and load regulation. low input voltages. Please refer to "STATIed at first cold start. Turning ON/OFF the dead to a longer set up time. ALI power on timing and interruption regulate the set up time will be longer than 500m	BS EN/EN61000-3-2 ,GB/T17625.1 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/EN61000-4-11  32 (Bellcore); 213.3Khrs min. MIL-HDBK:  C CHARACTERISTIC" sections for details. river may lead to increase of the set up time. Especially: ations,the set up time needs to test with a DALI controlles.	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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods .217F (25°C)		
DTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially m 2. Please refer to "DRIVING METI- 3. Tolerance: includes set up toler 4. De-rating may be needed under 5. Length of set up time is measur inside driver is very high, it will le 6. Based on IEC 62386-101/102 D DALI power on function,otherwis 7. Input over voltage only for XLG-	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3  180*63*35.5mm (L*W*H)  0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, rations are measured at 230VAC input, rations in regulation and load regulation. low input voltages. Please refer to "STATIed at first cold start. Turning ON/OFF the dead to a longer set up time.  ALI power on timing and interruption regulate the set up time will be longer than 500m 150 I series, and I series without UL/CSA of the series without UL/CSA of	BS EN/EN61000-3-2 ,GB/T17625.1 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/EN61000-4-11  32 (Bellcore); 213.3Khrs min. MIL-HDBK- ated current and 25°C of ambient temperature.  C CHARACTERISTIC" sections for details. river may lead to increase of the set up time. Especially ations, the set up time needs to test with a DALI controlle s. ertificate.	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 Level 2 Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods -217F (25°C)		
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DTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially me. 2. Please refer to "DRIVING METH"  3. Tolerance: includes set up toler  4. De-rating may be needed under  5. Length of set up time is measur inside driver is very high, it will le.  6. Based on IEC 62386-101/102 DDALI power on function, otherwis  7. Input over voltage only for XLG-  8. The driver is considered as a complete installation, the final ed.  9. The ambient temperature deratif 10. Please refer to the warranty stat.  11. This series meets the typical life.	Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3 180*63*35.5mm (L*W*H) 0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, rolobs OF LED MODULE*. ance, line regulation and load regulation. low input voltages. Please refer to "STATIed at first cold start. Turning ON/OFF the daad to a longer set up time. ALI power on timing and interruption regulate the set up time will be longer than 500m 150 i series, and 1 series without UL/CSA component that will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the set up time will be opperated in combination and the proposed in the pr	BS EN/EN61000-3-2 ,GB/T17625.1  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/EN61000-4-11  32 (Bellcore); 213.3Khrs min. MIL-HDBK  ated current and 25°C of ambient temperature.  C CHARACTERISTIC" sections for details. river may lead to increase of the set up time. Especially ations, the set up time needs to test with a DALI controlle s. ertificate.  on with final equipment. Since EMC performance will be for 5°C/1000m with fan models for operating altitude hig of 5°C/1000m with fan models for operating altitude hig	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  Level 2  Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods  -217F (25°C)  when the temperature or which can support for  affected by the gher than 2000m(6500ft).  is about 75°C or less.		
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OTHERS	MTBF  DIMENSION  PACKING  1. All parameters NOT specially me. 2. Please refer to "DRIVING METT- 3. Tolerance: includes set up toler 4. De-rating may be needed under 5. Length of set up time is measure inside driver is very high, it will le 6. Based on IEC 62386-101/102 D DALI power on function, otherwis 7. Input over voltage only for XLG- 8. The driver is considered as a co- complete installation, the final ee 9. The ambient temperature deratir 10. Please refer to the warranty sta 11. This series meets the typical lif 12. Products sourced from the Am 13. For any application note and lif https://www.meanwell.com/Uplc 14. The efficiency will drop 1% bas 15. H/M type: RCM is on a voluntar L type: RCM is on a voluntar L type: RCM is on a voluntar	Harmonic Current  Voltage Flicker  BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  2316.2Khrs min. Telcordia SR-3  180*63*35.5mm (L*W*H)  0.8Kg;16pcs/13.4Kg/0.67CUFT entioned are measured at 230VAC input, relocated in the composition of the compos	BS EN/EN61000-3-2, GB/T17625.1  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/EN61000-4-11  32 (Bellcore); 213.3Khrs min. MIL-HDBK.  ated current and 25°C of ambient temperature.  C CHARACTERISTIC" sections for details. rriver may lead to increase of the set up time. Especially ations, the set up time needs to test with a DALI controlle s. errificate.  on with final equipment. Since EMC performance will be IC Directive on the complete installation again.  of 5°C/1000m with fan models for operating altitude hig/www.meanwell.com  n/MSINKC logo. Please contact your MEAN WELL sales flease refer our user manual before using.  3W condition.  th LED control gear is not suitable for residential installat	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  Level 2  Level 4  >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods  -217F (25°C)  when the temperature or which can support for  affected by the gher than 2000m(6500ft).  is about 75°C or less. or more information.		



## ■ BLOCK DIAGRAM

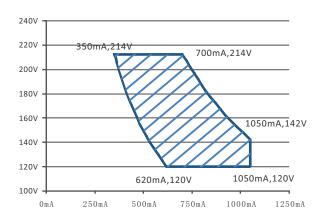
PFC fosc: 50~120KHz PWM fosc: 60~130KHz



#### ■ DRIVING METHODS OF LED MODULE

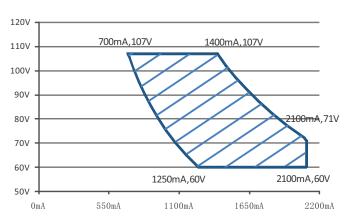
**% I-V Operating Area** 

#### 



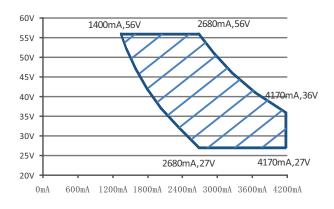
Recommend Performance Region

#### 



Recommend Performance Region

#### XLG-150-H-DA2



Recommend Performance Region



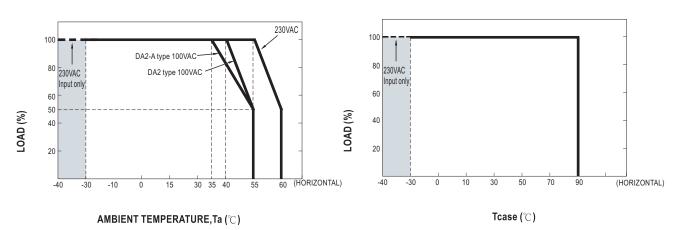
## ■ DIMMING OPERATION



#### **\* DALI Interface**

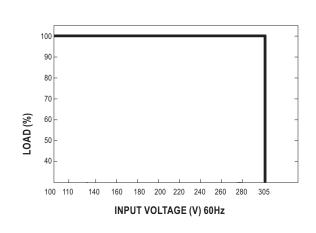
- Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

#### ■ OUTPUT LOAD vs TEMPERATURE



Note:1. The output current must be derated at ultra-high ambient temperature. 2.Below 120VAC@-30°C may has restart situation within 5s after power-on.

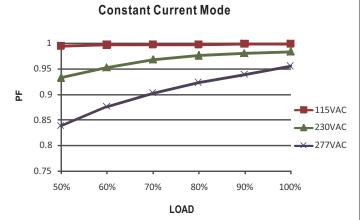
## ■ STATIC CHARACTERISTIC



## **■ POWER FACTOR (PF) CHARACTERISTIC**

※ Tcase at 75°

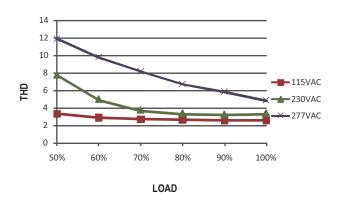
C





## ■ TOTAL HARMONIC DISTORTION (THD)

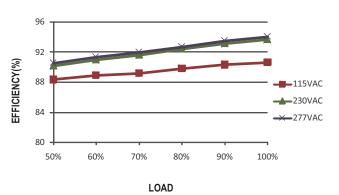
#### % XLG-150-L-DA2 Model, Tcase at 75 $^{\circ}$ C



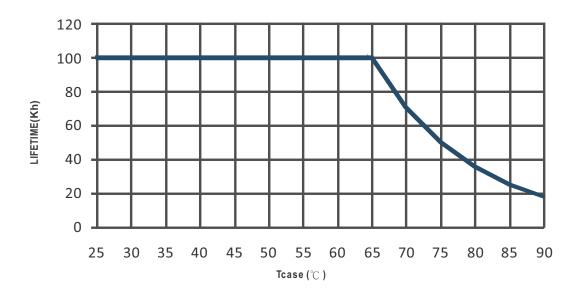
## **■** EFFICIENCY vs LOAD

XLG-150-DA2 series possess superior working efficiency that up to 93% can be reached in field applications.

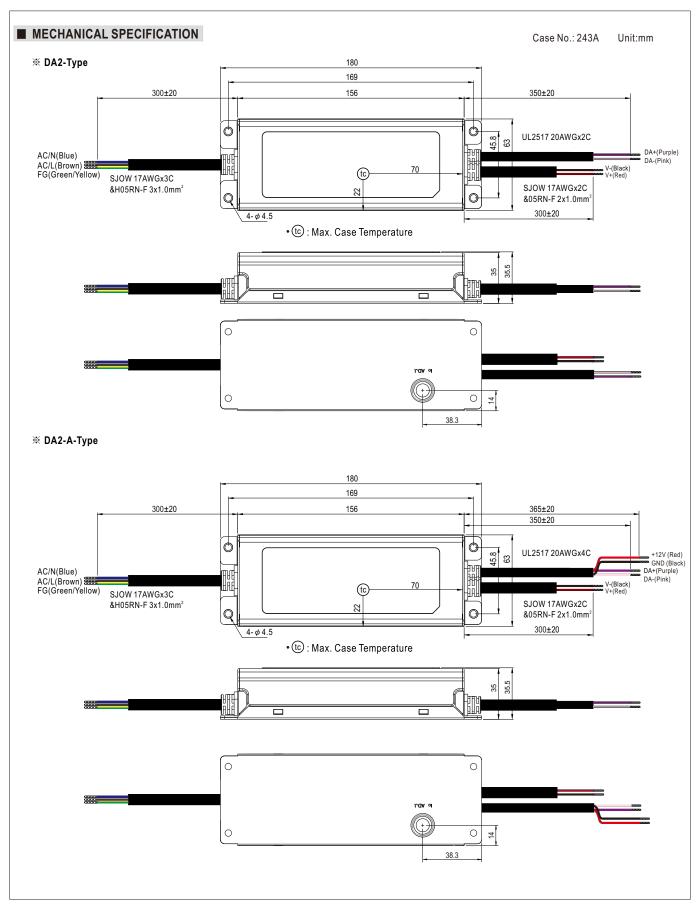
XLG-150-L-DA2 Model, Tcase at  $75^{\circ}$ C



## ■ LIFE TIME



## 150W Constant Power Mode with DALI-2 LED Driver XLG-150-DA2 series





## ■ Recommend Mounting Direction



## **■ INSTALLATION MANUAL**

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