



Наличие и актуальные цены на

XLG-150-M-DA2

<https://www.mean-well.ru/store/XLG-150-M-DA2/>



DC Input: 176-280Vdc (Except for L type)



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

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℃~+90℃ 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

XLG - 150 I - L - DA2

{ DA2: DALI-2 dimming function

{ DA2-A: DALI-2 dimming function with 12V/250mA Auxiliary available(optional)

Rated output voltage(L/M/H types)

{ □: For standard version

{ I: For India version(by request with Input over voltage protection)

Rated wattage

Series name

Applications

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

GTIN CODE

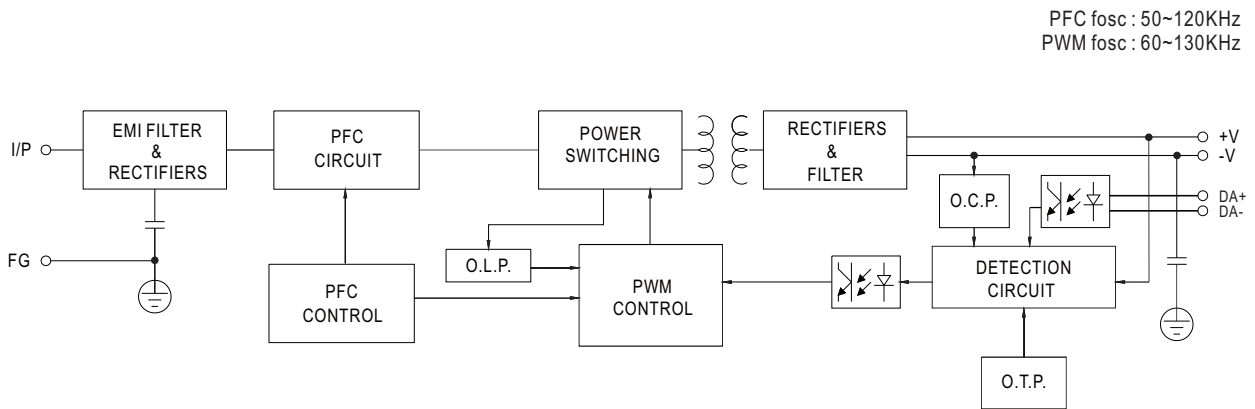
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

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

SPECIFICATION

MODEL		XLG-150□-L-□	XLG-150□-M-□	XLG-150□-H-□
OUTPUT	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
	OPEN CIRCUIT VOLTAGE (max.)	240V	120V	65V
	CURRENT ADJ. RANGE	(Via the built-in potentiometer)		
		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			
INPUT	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 (Typ.) Note.14	93%	92.5%	92%
	AC CURRENT (Typ.)	1.8A / 115VAC 1.0A / 230VAC 0.8A/277VAC		
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=500μs measured at 50% Ipeak) at 230VAC; Per NEMA 410		
	MAX. NO. of PSUs on 16A 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 (Dimming OFF, Only for standard version DA2-type)		
PROTECTION	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed		
	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		
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +90℃ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)		
	MAX. CASE TEMP.	Tcase=+90℃		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH non-condensing		
	TEMP. COEFFICIENT	± 0.06%/℃ (0 ~ 60℃)		
SAFETY & EMC	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; 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 O/P-FG:1.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH		
	EMC EMISSION	Parameter	Standard	Test Level/Note
		Conducted	BS EN/EN55015(CISPR15) ,GB/T 17743	-----
		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	-----
	EMC IMMUNITY	BS EN/EN61547		
		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
		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
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
OTHERS	MTBF	2316.2Khrs min. Telcordia SR-332 (Bellcore) ; 213.3Khrs min. MIL-HDBK-217F (25℃)		
	DIMENSION	180*63*35.5mm (L*W*H)		
	PACKING	0.8Kg;16pcs/13.4Kg/0.67CUFT		

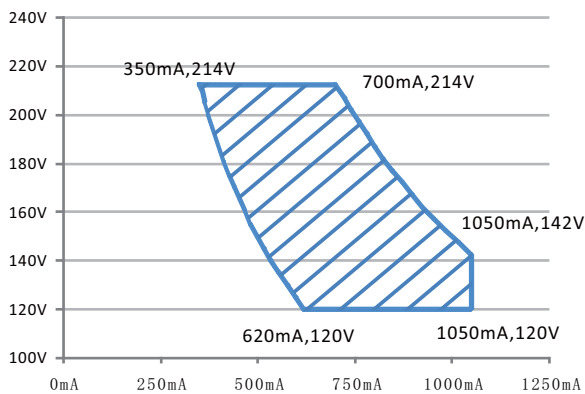
BLOCK DIAGRAM



DRIVING METHODS OF LED MODULE

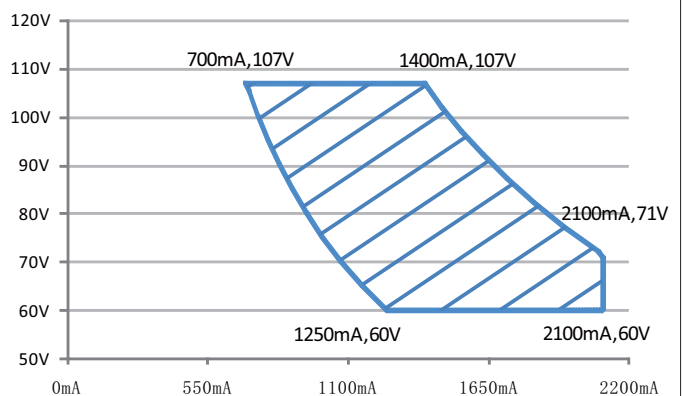
※ I-V Operating Area

◎ XLG-150-L-DA2



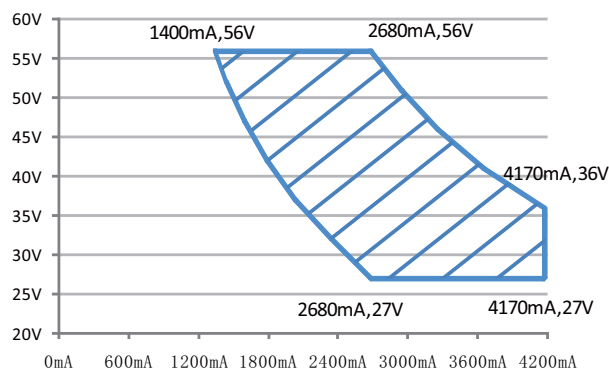
Recommend Performance Region

◎ XLG-150-M-DA2



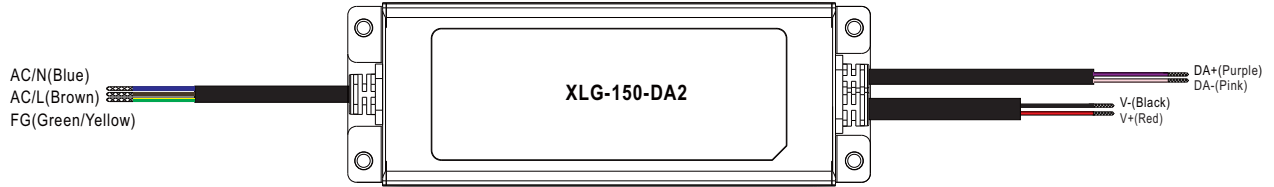
Recommend Performance Region

◎ XLG-150-H-DA2



Recommend Performance Region

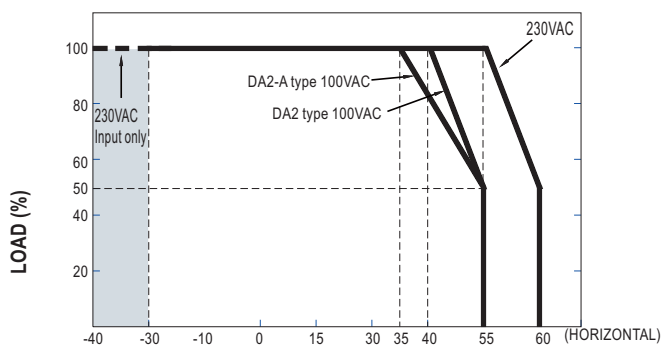
DIMMING OPERATION



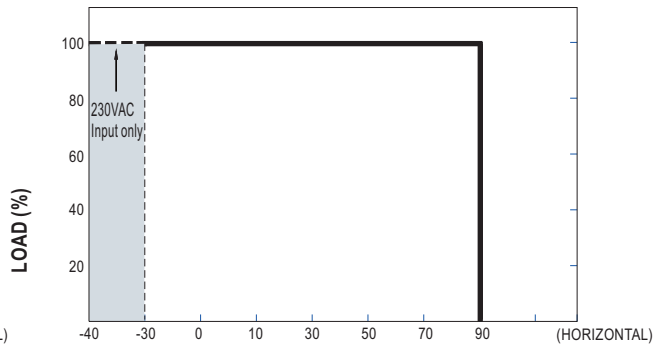
※ DALI Interface

- 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



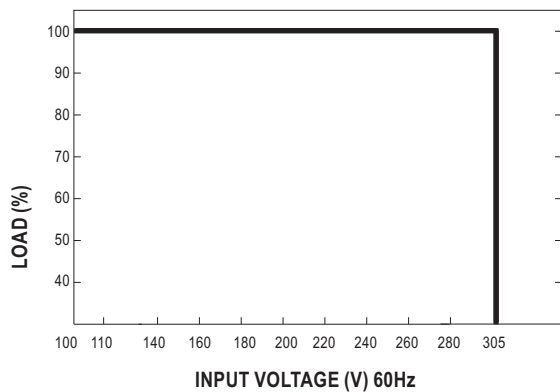
AMBIENT TEMPERATURE, T_a (°C)



T_{case} (°C)

- 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.

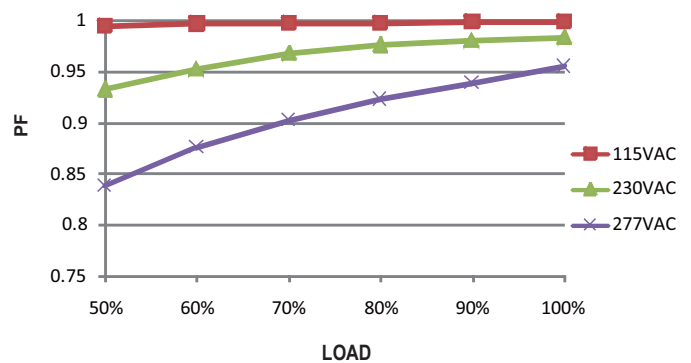
STATIC CHARACTERISTIC



POWER FACTOR (PF) CHARACTERISTIC

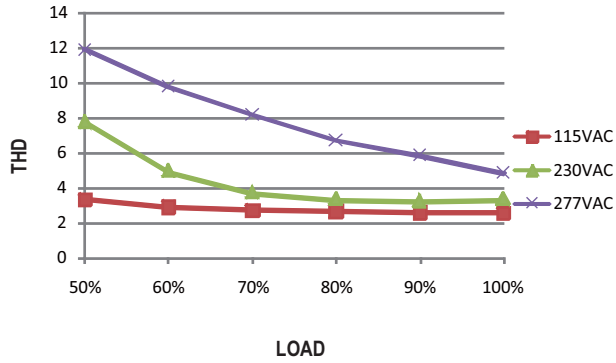
※ T_{case} at 75°C

Constant Current Mode



TOTAL HARMONIC DISTORTION (THD)

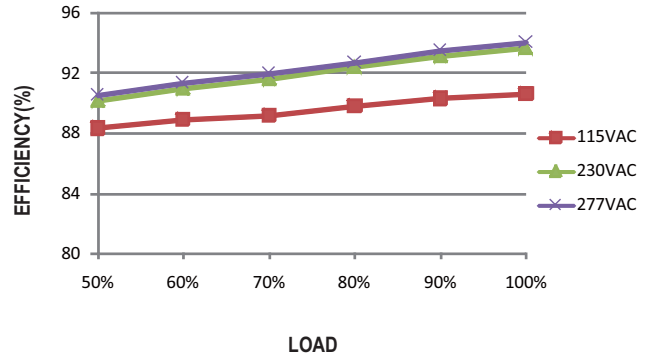
※ XLG-150-L-DA2 Model, Tcase at 75°C



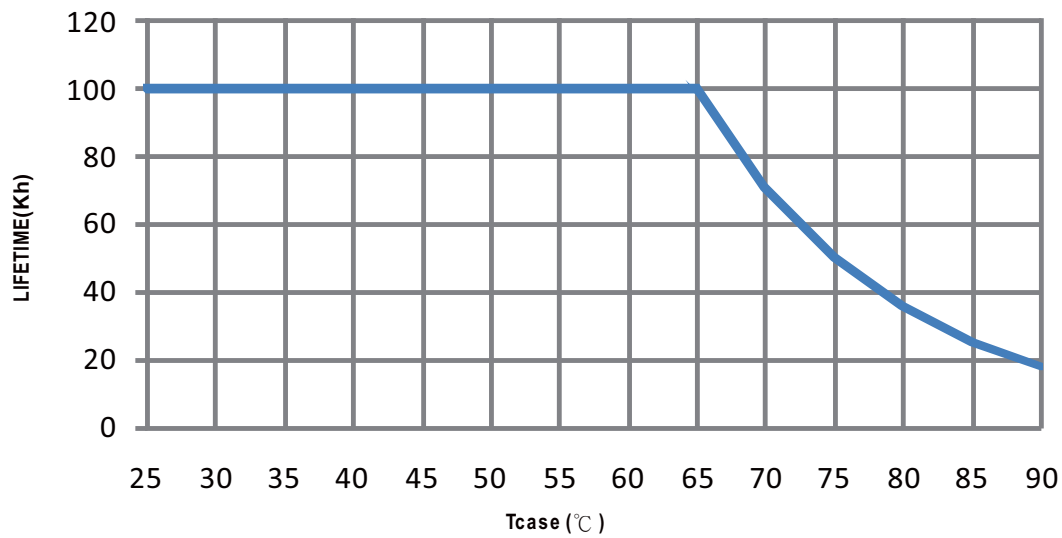
EFFICIENCY vs LOAD

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°C



LIFE TIME



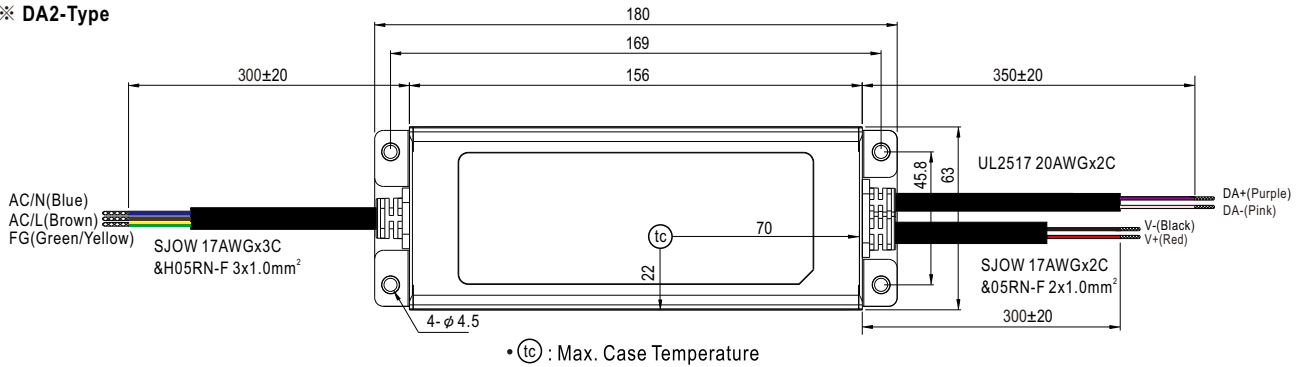
MECHANICAL SPECIFICATION

Case No.: 243A

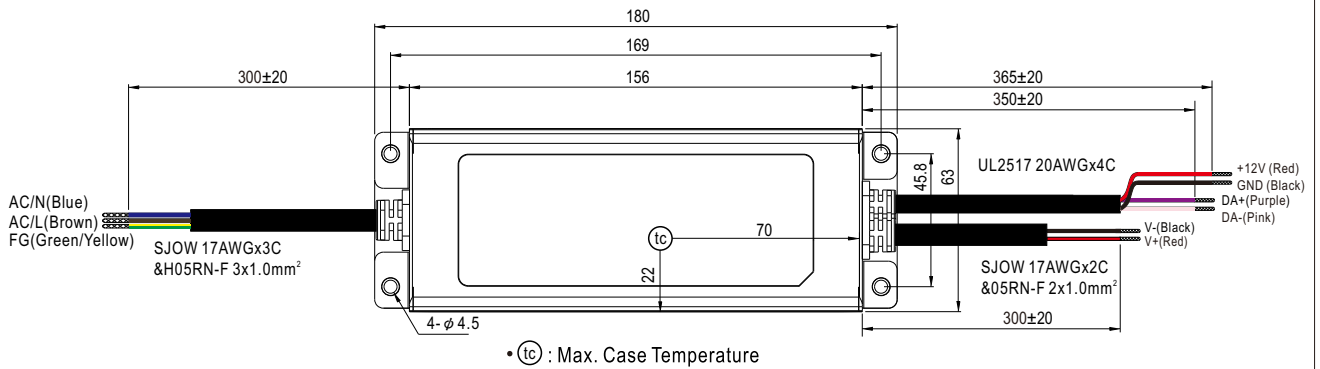
Unit:mm

Tolerance:±1

※ DA2-Type



※ DA2-A-Type

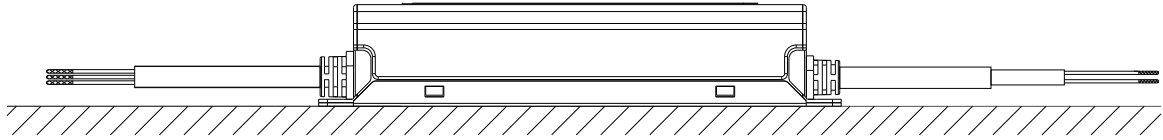




150W Constant Power Mode with DALI-2 LED Driver

XLG-150-DA2 series

■ Recommend Mounting Direction



■ INSTALLATION MANUAL

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