







■ 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(optional)
- Protection functions: SCP/OTP
- Life time >50,000 hrs. and 5 years warranty

Description

Applications

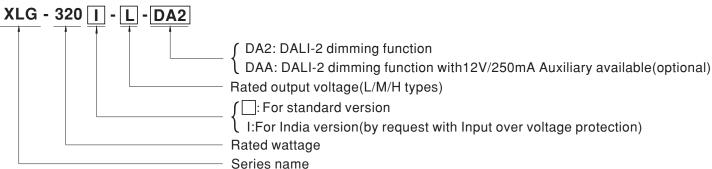
- Street lighting
- · Floodlight Lighting
- Stage lighting
- · Fishing lighting
- · Horticulture lighting
- · Bay lighting
- Type HL for use in class I, Division 2

GTIN CODE

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

XLG-320-DA2 series is a 320W LED AC/DC driver featuring the constant power mode with DALI-2 dimming function. XLG-320-DA2 operates from 100~305VAC and offers models with different rated current ranging between 1050mA and 7420mA. Thanks to the high efficiency up to 94.5%, with the fanless design, the entire series is able to operate for -40°C~+85°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-320-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
DAA	DALI-2 control technology with Io adjustable via built-in potentiometer and auxiliary power 12V/250mA	by request



320W Constant Power Mode with DALI-2 LED Driver

XLG-320-DA2 series

SPECIFICATION

MODEL		XLG-320L	XLG-320 -M-	XLG-320 -H-	
	RATED CURRENT(Default)	1400mA	2800mA	5600mA	
ОИТРИТ	RATED POWER	315W	310.8W	312W	
	CONSTANT CURRENT REGION Note.2	150 ~300V	74 ~ 148V	27 ~ 56V	
	FULL POWER CURRENT RANGE	1050~1400mA	2100~2800mA	5570~7420mA	
	OPEN CIRCUIT VOLTAGE (max.)	340V	180V	65V	
	CURRENT ADJ. RANGE	(Via the built-in potentiometer) 500~1400mA	1050~2800mA	2800~7420mA	
	CURRENT RIPPLE	5.0%(@ full load)			
	CURRENT TOLERANCE	±5%			
	AUXILIARY DC OUTPUT	12V@250mA tolerance ±10%, ripple 200mVp-p (only for DAA-type)			
	SET UP TIME Note.6	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 ,THD<15% @load≥75% at 277VAC Please refer to "TOTAL HARMONIC DISTORTION (THD)" section			
	EFFICIENCY (Typ.) Note.14	94.5%	93.5%	92.5%	
NPUT	AC CURRENT (Typ.)		.3A/277VAC		
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=1200µs measured at 50% lpeak) at 230VAC; Per NEMA 410			
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 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)			
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed			
	OHORI CIRCOH	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage recovers automatically after fault condition is rem			
		320 ~ 390VAC (Shut down output voltage	e when the input voltage exceeds protection voltage rec	covers automatically after fault condition is remo	
ROTECTION	INPUT OVER VOLTAGE Note.7			covers automatically after fault condition is rem	
ROTECTION		Can survive input voltage stress of 44	0Vac for 48 hours @ tc 75°C max	·	
ROTECTION	OVER TEMPERATURE	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stage	0Vac for 48 hours @ tc 75℃ max ge 2: Derating to 50% loading, recovers automatically	·	
ROTECTION	OVER TEMPERATURE WORKING TEMP.	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to "C	0Vac for 48 hours @ tc 75°C max	·	
ROTECTION	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP.	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stage 1: Derating to 75% loading; stage 1: Derating to 75% loading; stage 1: Case=-40° (Please refer to "Case=+85° (Case=+85°	0Vac for 48 hours @ tc 75℃ max ge 2: Derating to 50% loading, recovers automatically	·	
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to "C Tcase=+85°C 20 ~ 95% RH non-condensing	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automaticall puTPUT LOAD vs TEMPERATURE" section)	·	
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stage 1: Derating to 75% loading; stage 1: Derating to 75% loading; stage 1: Case=+85 $^{\circ}$ C (Please refer to "Case=+85 $^{\circ}$ C 20 \sim 95% RH non-condensing -40 \sim +80 $^{\circ}$ C, 10 \sim 95% RH non-conde	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automaticall puTPUT LOAD vs TEMPERATURE" section)	·	
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stage 1: Derating to 75% loading; stage 1: Derating to 75% loading; stage 1: Case=+85°C (Please refer to "C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C , 10 ~ 95% RH non-condensing $\pm 0.06\%$ /°C (0 ~ 60°C)	OVac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading, recovers automatically UTPUT LOAD vs TEMPERATURE" section)	·	
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	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 \sim +85 $^{\circ}$ C (Please refer to "C Tcase=+85 $^{\circ}$ C = 20 \sim 95% RH non-condensing -40 \sim +80 $^{\circ}$ C, 10 \sim 95% RH non-conde \pm 0.06%/ $^{\circ}$ C (0 \sim 60 $^{\circ}$ C) 10 \sim 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TPTC 0	OVac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading, recovers automatically UTPUT LOAD vs TEMPERATURE" section) Insing for 72min, each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved	y after fault condition is removed	
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	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 \sim +85 $^{\circ}$ C (Please refer to "C Tcase=+85 $^{\circ}$ C 20 \sim 95% RH non-condensing -40 \sim +80 $^{\circ}$ C, 10 \sim 95% RH non-conde \pm 0.06%/ $^{\circ}$ C (0 \sim 60 $^{\circ}$ C) 10 \sim 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TP TC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter	OVac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading, recovers automatically DUTPUT LOAD vs TEMPERATURE" section) Insing for 72min, each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved O/P-FG:1.8KVAC s/500VDC / 25°C / 70% RH Standard	y after fault condition is removed -2-13 independent, BS EN/EN62384; Test Level/Note	
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AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to "C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TP TC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automatically putput Load vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard	y after fault condition is removed -2-13 independent, BS EN/EN62384; Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2	
IVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to "C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TP TC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automatically putput Load vs TEMPERATURE" section) insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN55015(CISPR15) ,GB/T17743 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	y after fault condition is removed -2-13 independent, BS EN/EN62384; Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3	
AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohm: Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automatically BUTPUT LOAD vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN61000-3-2 ,GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	y after fault condition is removed -2-13 independent, BS EN/EN62384; 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	
AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 G819510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automatically putput Load vs TEMPERATURE" section) insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN55015(CISPR15) ,GB/T17743 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	y after fault condition is removed -2-13 independent, BS EN/EN62384; Test Level/Note Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3	
AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automatically BUTPUT LOAD vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved O/P-FG:1.8KVAC s/500VDC / 25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 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	y after fault condition is removed -2-13 independent, BS EN/EN62384; 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	
AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	0Vac for 48 hours @ tc 75°C max ge 2: Derating to 50% loading. recovers automatically BUTPUT LOAD vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6	y after fault condition is removed 7-2-13 independent, BS EN/EN62384; 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 Level 2	
AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stat Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06% \(\tilde{C} \) (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 GB19510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	0Vac for 48 hours @ to 75°C max ge 2: Derating to 50% loading. recovers automatically JUTPUT LOAD vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	y after fault condition is removed -2-13 independent, BS EN/EN62384; 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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,	
AFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 G819510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1397.7Khrs min. Telcordia SR-3	0Vac for 48 hours @ to 75°C max ge 2: Derating to 50% loading. recovers automatically JUTPUT LOAD vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	y after fault condition is removed y after fault condition is removed -2-13 independent, BS EN/EN62384; 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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Can survive input voltage stress of 44 Stage 1: Derating to 75% loading; stag Tcase=-40 ~ +85°C (Please refer to °C Tcase=+85°C 20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-conde ±0.06%/C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, period UL8750(type"HL"), CSA C22.2 No. 25 G819510.1, GB19510.14; EAC TPTC 0 I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	0Vac for 48 hours @ to 75°C max ge 2: Derating to 50% loading. recovers automatically JUTPUT LOAD vs TEMPERATURE" section) Insing for 72min. each along X, Y, Z axes 0.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347 04; IP67 approved 0/P-FG:1.8KVAC s/500VDC / 25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	y after fault condition is removed 7-2-13 independent, BS EN/EN62384; 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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	

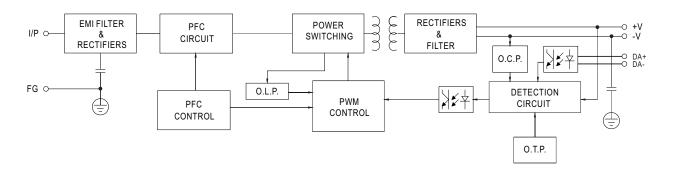
- Tolerance: includes set up tolerance, line regulation and load regulation.
 De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.
 Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.
- 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-320 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.
- 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 (b) 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. The efficiency will drop 1% based on auxiliary power version with full load 3W condition.
- 15. H type: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations; M/L type: RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1

X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:XLG-320-DA2-SPEC 2023-02-08

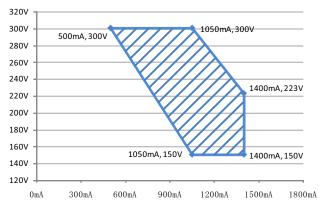


PFC fosc: 50~120KHz PWM fosc: 60~130KHz

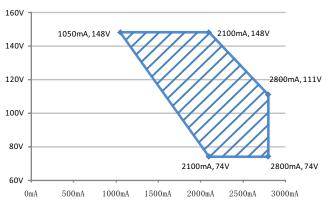


■ DRIVING METHODS OF LED MODULE

% I-V Operating Area

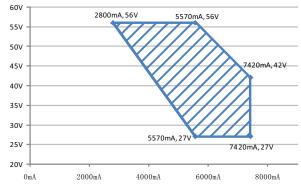


Recommend Performance Region



Recommend Performance Region

⊚ XLG-320-H-DA2



Recommend Performance Region



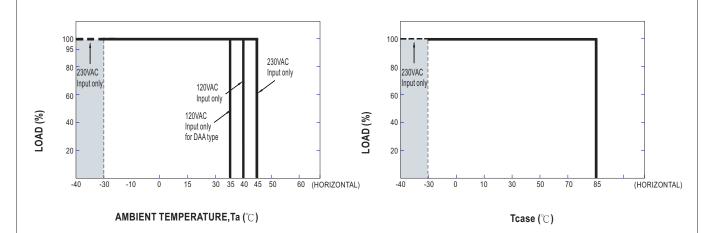




※ DALI Interface

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

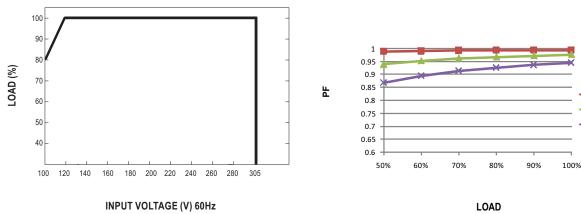
■ OUTPUT LOAD vs TEMPERATURE



■ STATIC CHARACTERISTIC

■ POWER FACTOR (PF) CHARACTERISTIC





120VAC

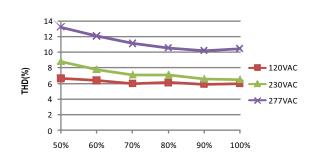
← 230VAC

-X- 277VAC



■ TOTAL HARMONIC DISTORTION (THD)

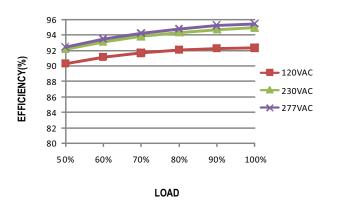
% XLG-320-L-DA2 Model, Tcase at 85 $^{\circ}$ C



■ EFFICIENCY vs LOAD

XLG-320-DA2 series possess superior working efficiency that up to 94.5% can be reached in field applications.

XLG-320-L-DA2 Model, Tcase at 85° C



■ LIFE TIME

LIFETIME(Kh)

