



























Features

- · Constant Current mode output
- Wide input range 90~305VAC (Class I)
- Built-in active PFC function
- · Class 2 power unit
- No load power consumption < 0.5W
- IP67 rating for indoor or outdoor installations
- 3 in 1 dimming function (Isolation design)
- Life time>50,000 hours and 5 years warranty

Applications

- · Street lighting
- · Architectural lighting
- · Low bay lighting
- · Floodlight lighting
- Industrial Lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

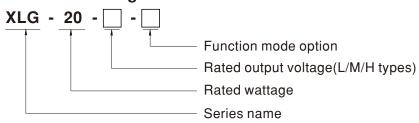
GTIN CODE

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

Description

XLG-20 series is a AC/DC LED driver featuring the constant current mode output. XLG-20 operates from 90~305VAC. Thanks to the high efficiency up to 89%, The entire series is able to operate between -40 °C ~+80 °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-20 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.XLG-20 series comply with the latest version of IEC61347/GB7000.1 -2015 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



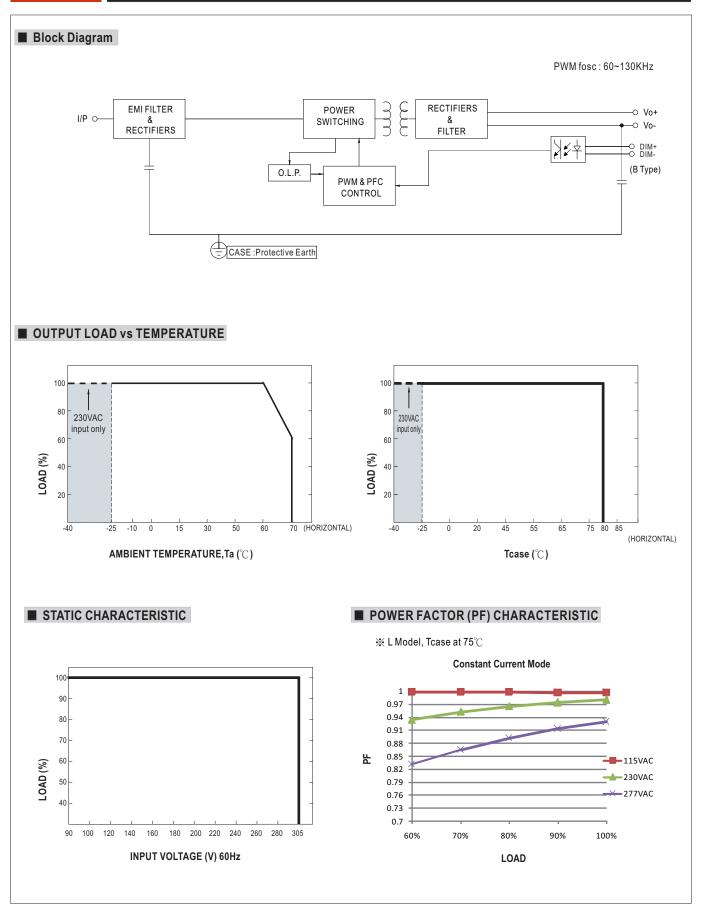
Type	IP Level	Function	Note
Blank	IP67	lo fixed.	In Stock
В	IP67	Io fixed with 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock

21W Constant Current Mode LED Driver

SPECIFICATION

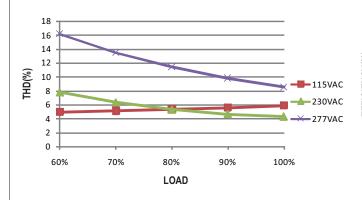
		_	_	_		
MODEL		XLG-20-L-	XLG-20-M-	XLG-20-H-		
	RATED CURRENT (Default)	350mA	500mA	700mA		
OUTPUT	CONSTANT CURRENT REGION	32.4 ~ 54V	25.2 ~ 42V	18 ~ 30V		
	RATED POWER	18.9W	21W	21W		
	OPEN CIRCUIT VOLTAGE (max.)	60V	50V	40V		
	CURRENT TOLERANCE	±8.0%				
	OUTPUT CURRENT RIPPLE Note.13	13 < 20%				
	SETUP, RISE TIME Note.2	2 500ms, 150ms/115VAC, 230VAC				
	LINE REGULATION <±3%					
		90 ~ 305\/AC				
INPUT	VOLTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" section)				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR	$\label{eq:problem} PF \! \ge \! 0.97/115 VAC, PF \! \ge \! 0.95/230 VAC, PF \! \ge \! 0.91/277 VAC \\ \text{@full load} \\ \text{(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)}$				
	TOTAL HARMONIC DISTORTION	THD<20%(@load≧50%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)				
	EFFICIENCY (Typ.)	89% 88.5% 88%				
	AC CURRENT	0.3A / 115VAC				
	INRUSH CURRENT(Typ.)	COLD START 5A(twidth=350µs measured at 50% Ipeak) at 230VAC; Per NEMA 410				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	42 units (circuit breaker of type B) / 42 units (circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	<0.75mA/277VAC				
	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W				
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.				
	WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+80°C				
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
WIKONMENT	STORAGE TEMP.	-40 ~ +80℃				
	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	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, J61347-1(H29), J61347-2-13(H29), EAC TP TC 004, IS 15885(Part 2/Sec13), KC61347-1,KC61347-2-13 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-I	FG:1.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VD0	C/25℃/70% RH			
	ISOLATION NESIGNATOR		dard	Test Level/Note		
			uuiu	TOOLEGTONITOLO		
		Conducted BS F	N/EN55015(CISPR15) GB/T 17743 J55015(H29)			
			:N/EN55015(CISPR15) ,GB/T 17743,J55015(H29)			
	EMC EMISSION	Radiated BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29)			
AFFTY &	EMC EMISSION	Radiated BS E Harmonic Current BS E	N/EN55015(CISPR15),GB/T 17743,J55015(H29) N/EN61000-3-2,GB17625.1	 Class C @load≥50%		
	EMC EMISSION	Radiated BS E Harmonic Current BS E Voltage Flicker BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29)			
AFETY & EMC	EMC EMISSION	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547	N/EN55015(CISPR15), GB/T 17743, J55015(H29) N/EN61000-3-2, GB17625.1 N/EN61000-3-3	 Class C @load≥50% 		
	EMC EMISSION	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star	N/EN55015(CISPR15), GB/T 17743, J55015(H29) N/EN61000-3-2, GB17625.1 N/EN61000-3-3	Class C @load≥50% Test Level/Note		
	EMC EMISSION	Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 BS E Parameter Star ESD BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 Idard N/EN61000-4-2	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact		
		Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 BS E Parameter Star ESD BS E	N/EN55015(CISPR15), GB/T 17743, J55015(H29) N/EN61000-3-2, GB17625.1 N/EN61000-3-3	Class C @load≥50% Test Level/Note		
	EMC EMISSION	Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 BS E Parameter Star ESD BS E Radiated BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 Idard N/EN61000-4-2	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact		
		Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 Star ESD BS E Radiated BS E EFT/Burst BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 dard N/EN61000-4-2 N/EN61000-4-3	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3		
		Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 Star ESD BS E Radiated BS E EFT/Burst BS E Surge BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 Idard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3		
		Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 Farameter Star ESD BS E Radiated BS E EFT/Burst Surge BS E Conducted BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 Idard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth		
		Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Surge BSE Conducted BSE Magnetic Field BSE	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 In/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3		
		Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Surge BSE Conducted BSE Magnetic Field BSE	EN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) EN/EN61000-3-2 ,GB17625.1 EN/EN61000-3-3 In/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-4 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-8	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
EMC	EMC IMMUNITY	Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 Parameter Star ESD BS E Radiated BS E EFT/Burst BS E Surge BS E Conducted BS E Magnetic Field BS E Voltage Dips and Interruptions BS E	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 Idard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 IN/EN61000-4-11	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
EMC	EMC IMMUNITY	Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 BS E Parameter Star ESD BS E Radiated BS E EFT/Burst BS E Surge BS E Conducted BS E Magnetic Field BS E Voltage Dips and Interruptions BS E 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H)	N/EN55015(CISPR15) ,GB/T 17743,J55015(H29) N/EN61000-3-2 ,GB17625.1 N/EN61000-3-3 Idard N/EN61000-4-2 N/EN61000-4-3 N/EN61000-4-4 N/EN61000-4-5 N/EN61000-4-6 N/EN61000-4-8 IN/EN61000-4-11	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
EMC	EMC IMMUNITY MTBF DIMENSION PACKING	Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 Parameter Star ESD BS E Radiated BS E EFT/Burst BS E Surge BS E Conducted BS E Magnetic Field BS E Voltage Dips and Interruptions BS E 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ	EN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) EN/EN61000-3-2 ,GB17625.1 EN/EN61000-3-3 In/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-4 EN/EN61000-4-6 EN/EN61000-4-6 EN/EN61000-4-11 747.1Khrs min. MIL-HDBK-217F (25°C)	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
EMC	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n	Radiated BS E Harmonic Current BS E Voltage Flicker BS E BS EN/EN61547 Parameter Star ESD BS E Radiated BS E EFT/Burst BS E Surge BS E Conducted BS E Magnetic Field BS E Voltage Dips and Interruptions BS E 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typically mentioned are measured at 230VAC imprineasured at first cold start. Turning ON/OFF timesured at first cold start. Turning ON/OFF timesured at 230VAC imprineasured imprineasured imprint impri	EN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) EN/EN61000-3-2 ,GB17625.1 EN/EN61000-3-3 IN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-8 EN/EN61000-4-11 747.1Khrs min. MIL-HDBK-217F (25°C) e 0.35Kg;24pcs/ 8.88Kg/0.\81CUFT for B-type at, rated current and 25°C of ambient temperature are driver may lead to increase of the set up time.	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
EMC	MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Surge BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ. ially mentioned are measured at 230VAC inpressured at first cold start. Turning ON/OFF to under low input voltages. Please refer to "ST	EN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) EN/EN61000-3-2 ,GB17625.1 EN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-8 EN/EN61000-4-11 T47.1Khrs min. MIL-HDBK-217F (25°C) In/EN61000-4-11 MIL-HDBK-217F (25°C) In/EN61000-4-11 EN/EN61000-4-11 EN/EN610	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 2KV/Line-Line 4KV/Line-Earth Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
EMC	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Surge BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ. ially mentioned are measured at 230VAC impressured at first cold start. Turning ON/OFF to the component of th	EN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) EN/EN61000-3-2 ,GB17625.1 EN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-8 EN/EN61000-4-11 T47.1Khrs min. MIL-HDBK-217F (25°C) e 0.35Kg;24pcs/ 8.88Kg/0.\81CUFT for B-type Lt, rated current and 25°C of ambient temperature, are driver may lead to increase of the set up time. EATIC CHARACTERISTIC" sections for details. ination with final equipment. Since EMC performatics	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
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EMC	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is in 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://ww	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Conducted BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ. ally mentioned are measured at 230VAC inpressured at first cold start. Turning ON/OFF till under low input voltages. Please refer to "ST as a component that will be operated in comb final equipment manufacturers must re-qualify ww.meanwell.com//Upload/PDF/EMI_statement	EN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) EN/EN61000-3-2 ,GB17625.1 EN/EN61000-3-3 Indard EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-11 T47.1Khrs min. MIL-HDBK-217F (25°C) MED 0.35Kg;24pcs/ 8.88Kg/0.\81CUFT for B-type Lt, rated current and 25°C of ambient temperature are driver may lead to increase of the set up time. ATIC CHARACTERISTIC" sections for details. Ination with final equipment. Since EMC performs of EMC Directive on the complete installation again and en.pdf)	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods ance will be affected by the n.		
EMC	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://ww 5. This series meets the typi	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Conducted BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typiately mentioned are measured at 230VAC inpressured at first cold start. Turning ON/OFF to under low input voltages. Please refer to "ST as a component that will be operated in combifinal equipment manufacturers must re-equalify www.meanwell.com//Upload/PDF/EMI_statement cal life expectancy of >50,000 hours of operations.	IN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) IN/EN61000-3-2 ,GB17625.1 IN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 In/EN61000-4-3 In/EN61000-4-5 In/EN61000-4-6 In/EN61000-4-11 T47.1Khrs min. MIL-HDBK-217F (25°C) In/EN61000-4-11 In/EN61000-4-1 In/EN61000-	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods ance will be affected by the n.		
EMC	MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://wx 5. This series meets the typ 6. Please refer to the warran	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Conducted BSE Magnetic Field BSE Magnetic Field BSE 721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typically mentioned are measured at 230VAC inprineasured at first cold start. Turning ON/OFF till under low input voltages. Please refer to "ST as a component that will be operated in combifinal equipment manufacturers must re-qualify www.meanwell.com//Upload/PDF/EMI_statement coal life expectancy of >50,000 hours of operative statement on MEAN WELL's website at his	IN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) IN/EN61000-3-2 ,GB17625.1 IN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 In/EN61000-4-3 In/EN61000-4-5 In/EN61000-4-6 In/EN61000-4-11 T47.1Khrs min. MIL-HDBK-217F (25°C) In/EN61000-4-11 In/EN61000-	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods e. ance will be affected by the n. er DLC), is about 80°C or less.		
EMC OTHERS	MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://ww 5. This series meets the typ 6. Please refer to the warrar 7. The ambient temperature	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Conducted BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ ially mentioned are measured at 230VAC inprineasured at first cold start. Turning ON/OFF till under low input voltages. Please refer to "ST as a component that will be operated in comb final equipment manufacturers must re-qualify www.meanwell.com//Upload/PDF/EMI_statemei cal life expectancy of >50,000 hours of opera try statement on MEAN WELL's website at hid derating of 3.5°C/1000m with fanless models	IN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) IN/EN61000-3-2 ,GB17625.1 IN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 In/EN61000-4-3 In/EN61000-4-5 In/EN61000-4-6 In/EN61000-4-6 In/EN61000-4-11 T47.1Khrs min. MIL-HDBK-217F (25°C) In/EN61000-4-11 In/EN61000-4-	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods e. ance will be affected by the n. er DLC), is about 80°C or less. altitude higher than 2000m(6500ft).		
EMC OTHERS	MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://w 5. This series meets the typi 6. Please refer to the warrar 7. The ambient temperature 8. Products sourced from the	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ. ially mentioned are measured at 230VAC inpressured at first cold start. Turning ON/OFF to under low input voltages. Please refer to "ST as a component that will be operated in combinal equipment manufacturers must re-qualify ww.meanwell.com//Upload/PDF/EMI_statement ical life expectancy of >50,000 hours of operaty statement on MEAN WELL's website at ht derating of 3.5°C/1000m with fanless models armericas regions may not have the CCC/PS	IN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) IN/EN61000-3-2 ,GB17625.1 IN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 In/EN61000-4-3 In/EN61000-4-5 In/EN61000-4-6 In/EN61000-4-8 In/EN61000-4-11	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods e. ance will be affected by the n. er DLC), is about 80°C or less. altitude higher than 2000m(6500ft).		
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OTHERS	MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://www.meanwell.com/reserved from the sproducts sourced from the sproducts sourced from the person of the sproducts of the work of the sproducts of the sproduc	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Surge BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ. ially mentioned are measured at 230VAC inpineasured at first cold start. Turning ON/OFF till under low input voltages. Please refer to "ST as a component that will be operated in combinate of the component type of the comp	IN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) IN/EN61000-3-2 ,GB17625.1 IN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 In/EN61000-4-3 In/EN61000-4-5 In/EN61000-4-6 In/EN61000-4-8 In/EN61000-4-11	Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods ance will be affected by the n. er DLC), is about 80°C or less. altitude higher than 2000m(6500ft). L sales for more information.		
EMC OTHERS	MTBF DIMENSION PACKING 1. All parameters NOT spec 2. Length of set up time is n 3. De-rating may be needed 4. The driver is considered a complete installation, the (as available on https://w 5. This series meets the typi 6. Please refer to the warrar 7. The ambient temperature 8. Products sourced from the 9. For any application note a https://www.meanwell.com 10. Ripple & noise are meas	Radiated BSE Harmonic Current BSE Voltage Flicker BSE BS EN/EN61547 Parameter Star ESD BSE Radiated BSE EFT/Burst BSE Conducted BSE Conducted BSE Magnetic Field BSE Voltage Dips and Interruptions BSE 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 8.67Kg/0.81CUFT for blank-typ included low input voltages. Please refer to "ST as a component that will be operated in comb final equipment manufacturers must re-qualify ww.meanwell.com//Upload/PDF/EMI_statemen ical life expectancy of >50,000 hours of opera typ statement on MEAN WELL's website at ht derating of 3.5°C/1000m with fanless models and IP water proof function installation caution ful/Upload/PDF/LED_EN.pdf sured at 20MHz of bandwidth by using a 12"	IN/EN55015(CISPR15) ,GB/T 17743,J55015(H29) IN/EN61000-3-2 ,GB17625.1 IN/EN61000-3-3 In/EN61000-3-3 In/EN61000-4-2 IN/EN61000-4-3 IN/EN61000-4-5 IN/EN61000-4-6 IN/EN61000-4-11 IN/EN61000-4-1 IN/EN61000-4-3 IN/EN61000-4-8 IN/E	Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 3 Level 3 2KV//Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods ance will be affected by the n. er DLC), is about 80°C or less. altitude higher than 2000m(6500ft). L sales for more information.		
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■ TOTAL HARMONIC DISTORTION (THD)

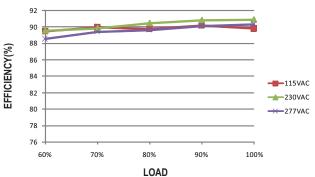
★ L Model, Tcase at 75°C



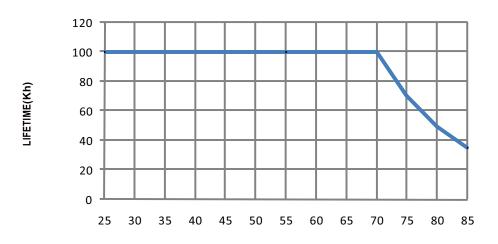
■ EFFICIENCY vs LOAD

XLG-20 series possess superior working efficiency that up to 89% can be reached in field applications.

★ L Model, Tcase at 75°C

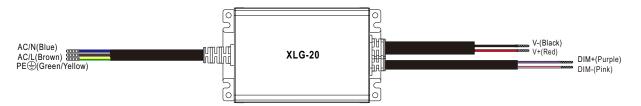


■ LIFE TIME



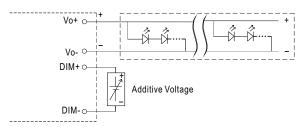


■ DIMMING OPERATION



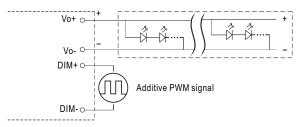
※ 3 in 1 dimming function (for B-Type)

- · Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: 1 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 103µA (typ.)



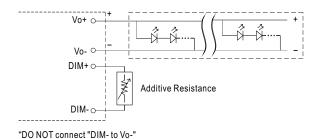
"DO NOT connect "DIM- to Vo-"

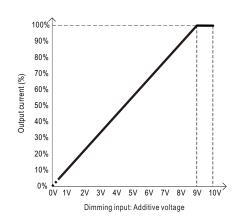
O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

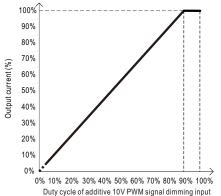


"DO NOT connect "DIM- to Vo-"

Applying additive resistance:



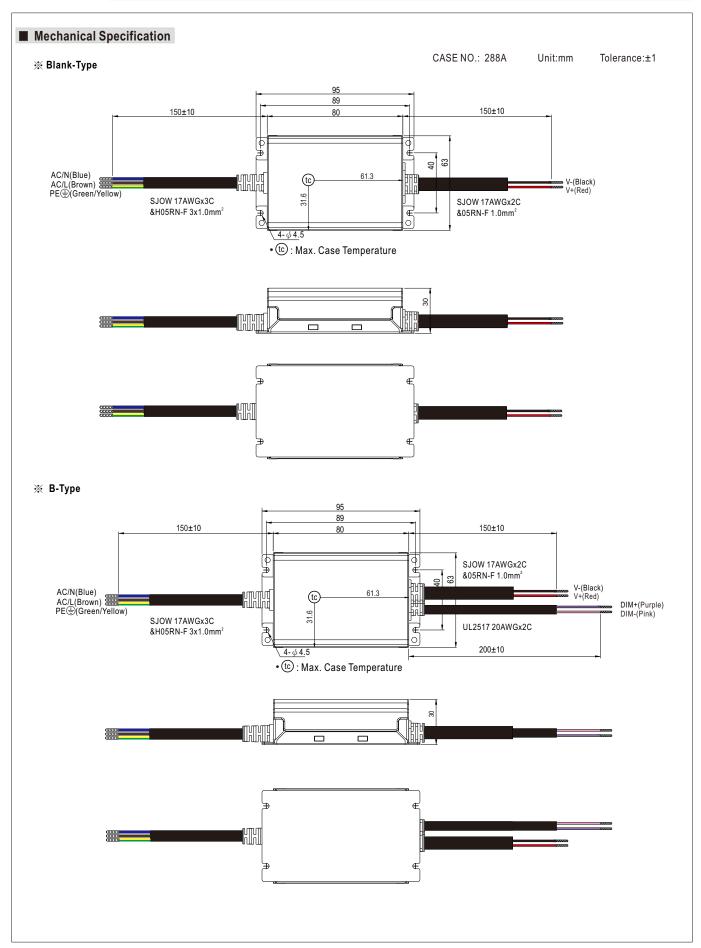


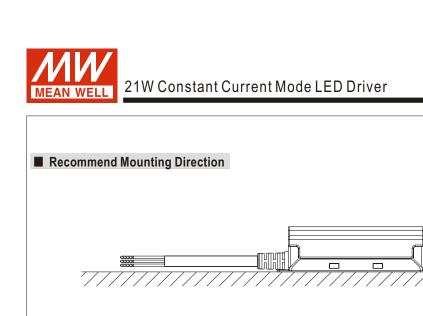


90% 80% 70% Output current (%) 60% 50% 40% 30% 20% 10% Short 10K/N 20K/N 30K/N 40K/N 50K/N 60K/N 70K/N 80K/N 90K/N 100K/N $({\bf N} \hbox{=} \hbox{driver quantity for synchronized dimming operation})$ Dimming input: Additive resistance

Note: 1. Min. dimming level is about 3% and the output current is not defined when 0% < Iout < 3%.







■ INSTALLATION MANUAL

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