



















#### 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</li>
- IP67 rating for indoor or outdoor installations
- 3 in 1 dimming function (Isolation design)
- Life time>50,000 hours and 5 years warranty

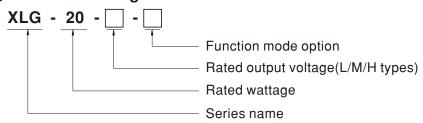
# Applications

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

# 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



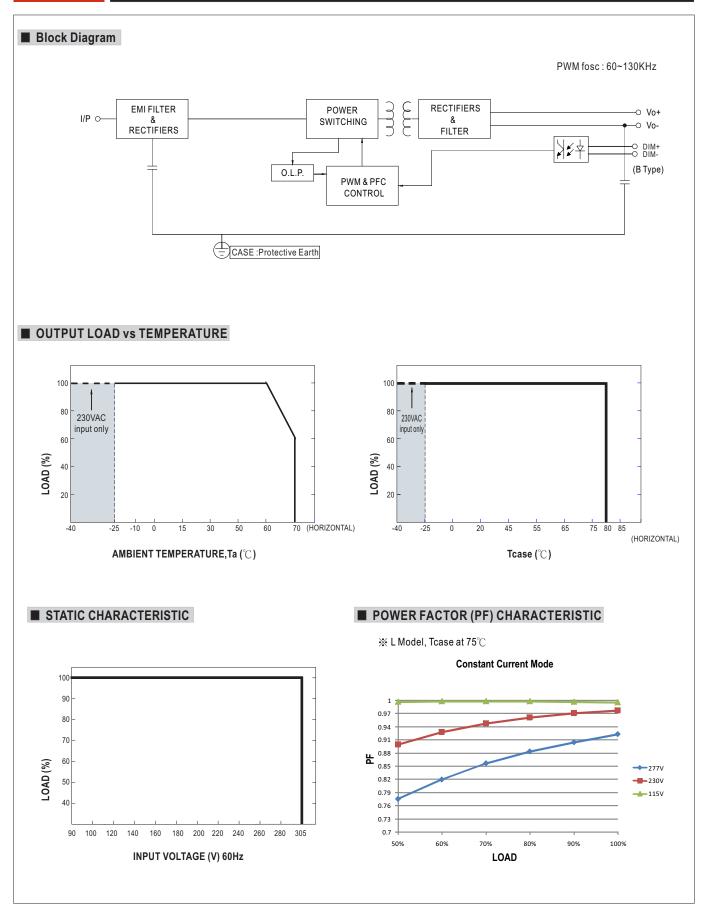
Туре	IP Level	Function	Note
Blank	IP67	lo fixed.	In Stock
В	IP67	Io fixed with 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock

# 21W Constant Current Mode LED Driver

# **SPECIFICATION**

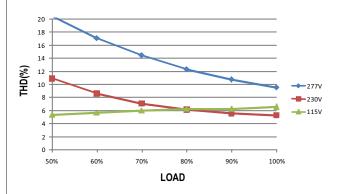
MODE:		VI C 20 I	VI C 20 M	W 0 00 U □			
MODEL		XLG-20-L-	XLG-20-M-	XLG-20-H-			
	RATED CURRENT	350mA	500mA	700mA			
	CONSTANT CURRENT REGION	32.4 ~ 54V	25.2 ~ 42V	18 ~ 30V			
DUTPUT	RATED POWER	18.9W	21W	21W			
	OPEN CIRCUIT VOLTAGE (max.)	60V	50V	40V			
	CURRENT TOLERANCE	±8.0%					
	OUTPUT CURRENT RIPPLE Note.13	.13 < 20%					
	SETUP, RISE TIME Note.2	.2 500ms, 150ms/115VAC, 230VAC					
	,	90 ~ 305VAC					
	VOLTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" section)					
	LINE REGULATION	< ±3%					
	FREQUENCY RANGE	47 ~ 63Hz					
	TREGOLIGITATIOL						
	POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.91/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
		THD<20%(@load≥50%/115VC,230VAC; @load≥75%/277VAC)					
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)					
INPUT	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	OCE OTANT ONLY MICHAEL CONTROL OF THE ASSESSMENT OF THE MICHAEL CONTROL OF THE MICHAEL CONT					
	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					
ROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault co	ondition is removed.				
	WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to " OUTPUT LC	AD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
		Tcase=+80°C					
VVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing -40 ~ +80°C					
	STORAGE TEMP.						
	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, EAC TP TC 004 a					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC	/ 25°C / 70% RH				
		Parameter	Standard	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR15) ,GB/T17743				
		Conducted					
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15) ,GB/T17743				
	EMC EMISSION		BS EN/EN55015(CISPR15) ,GB/T17743 BS EN/EN61000-3-2 ,GB/T17625.1	 Class C @load≥50%			
AFETY &	EMC EMISSION	Radiated					
AFETY &	EMC EMISSION	Radiated Harmonic Current Voltage Flicker	BS EN/EN61000-3-2 ,GB/T17625.1	Class C @load≥50%			
-	EMC EMISSION	Radiated 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	Radiated 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	Radiated 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			
-		Radiated 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 3			
-	EMC EMISSION	Radiated 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 3 Level 3			
-		Radiated 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 3 Level 3 2KV/Line-Line 4KV/Line-Earth			
-		Radiated 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 3 Level 3			
-		Radiated 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 3 Level 3 2KV/Line-Line 4KV/Line-Earth			
-		Radiated 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 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
-	EMC IMMUNITY	Radiated 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 3 Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4			
EMC	EMC IMMUNITY	Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 5721.2K hrs min. Telcordia SR-332 (Bellcore)	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 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	Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H)	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  747.1Khrs min. MIL-HDBK-217F (25℃)	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 Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type	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 species	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input,	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature.	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 species. Length of set up time is m	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, eeasured at first cold start. Turning ON/OFF the	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/EN61000-4-1  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. 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 speci 2. Length of set up time is m 3. De-rating may be needed	Radiated Harmonic Current  Voltage Flicker  BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore)  95*63*30mm (L*W*H)  0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, the seasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STAT	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details.	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 speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, eeasured at first cold start. Turning ON/OFF the	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar	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 speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the formula in the set of	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD  Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, reasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STATs a component that will be operated in combina	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again.	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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 speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the f 5. This series meets the typi	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, leasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STATs a component that will be operated in combina inal equipment manufacturers must re-qualify E	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (© point (or TMP, per	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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 speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the fill the considered and complete installation in the fill the considered and complete installation. The fill the considered and complete installation in the fill the considered and complete installation. The fill the considered are considered as the considered and considered	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, leasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STATs a component that will be operated in combina inal equipment manufacturers must re-qualify E cal life expectancy of >50,000 hours of operation	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/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. ton with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (©) point (or TMP, per//www.meanwell.com	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  acc will be affected by the  ar DLC), is about 80°C or less.			
EMC	MTBF DIMENSION PACKING  1. All parameters NOT species of the properties of the prope	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, reasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STAT is a component that will be operated in combina inal equipment manufacturers must re-qualify E cal life expectancy of >50,000 hours of operation ty statement on MEAN WELL's website at http://	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/EN61000-4-1  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (©) point (or TMP, performent of 5°C/1000m with fan models for operating and of 5°C/1000m with fan models for operating a	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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  acce will be affected by the er DLC), is about 80℃ or less.  attitude higher than 2000m(6500ft).			
OTHERS	MTBF DIMENSION PACKING  1. All parameters NOT speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the f 5. This series meets the typi 6. Please refer to the warran 7. The ambient temperature 8. Products sourced from the	Radiated Harmonic Current  Voltage Flicker  BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H)  0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, easured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STAT sa component that will be operated in combina inal equipment manufacturers must re-qualify E cal life expectancy of >50,000 hours of operation ty statement on MEAN WELL's website at http://derating.org/1000m with fanless models are	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/EN61000-4-6  BS EN/EN61000-4-11  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (©) point (or TMP, performent of 5°C/1000m with fan models for operating a BIS/KC logo. Please contact your MEAN WELL	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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  acce will be affected by the er DLC), is about 80℃ or less.  attitude higher than 2000m(6500ft).			
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EMC	MTBF DIMENSION PACKING  1. All parameters NOT speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the f 5. This series meets the typ i 6. Please refer to the warran 7. The ambient temperature 8. Products sourced from the 9. For any application note a https://www.meanwell.co	Radiated Harmonic Current  Voltage Flicker  BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H)  0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, teasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STAT is a component that will be operated in combina inal equipment manufacturers must re-qualify E cal life expectancy of >50,000 hours of operation ty statement on MEAN WELL's website at http://derating.org/in/document/sizes/pic/1000m with fanless models are Americas regions may not have the CCC/PSE/nd IP water proof function installation caution, p	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/EN61000-4-6  BS EN/EN61000-4-6  BS EN/EN61000-4-11  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC when Tcase, particularly (©) point (or TMP, performent) performent. Since EMC performar MC when Tcase, particularly (©) point (or TMP, performent) performent. Since EMC performent of 5°C /1000m with fan models for operating a BIS/KC logo. Please contact your MEAN WELL lease refer our user manual before using.	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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  are will be affected by the  are DLC), is about 80°C or less.  altitude higher than 2000m(6500ft).  sales for more information.			
EMC	MTBF DIMENSION PACKING  1. All parameters NOT speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the f 5. This series meets the typi 6. Please refer to the warran 7. The ambient temperature 8. Products sourced from the 9. For any application note a https://www.meanwell.co 10. Ripple & noise are meas	Radiated Harmonic Current  Voltage Flicker  BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore)  95*63*30mm (L*W*H)  0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, the saured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STATs a component that will be operated in combinatinal equipment manufacturers must re-qualify E cal life expectancy of >50,000 hours of operation cal life expectancy of >50,000 hours of operation between the same 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/EN61000-4-6  BS EN/EN61000-4-11  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. Tic CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (©) point (or TMP, per/www.meanwell.com and of 5°C/1000m with fan models for operating a BIS/KC logo. Please contact your MEAN WELL lease refer our user manual before using.	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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  acc will be affected by the  er DLC), is about 80°C or less.  attitude higher than 2000m(6500ft).  allel capacitor.			
EMC	MTBF DIMENSION PACKING  1. All parameters NOT speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the f 5. This series meets the typi 6. Please refer to the warran 7. The ambient temperature 8. Products sourced from the 9. For any application note a https://www.meanwell.co 10. Ripple & noise are meas 11. To fulfill requirements of	Radiated Harmonic Current  Voltage Flicker BS EN/EN61547  Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, leasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STAT is a component that will be operated in combina inal equipment manufacturers must re-qualify Ecal life expectancy of >50,000 hours of operation ty statement on MEAN WELL's website at http://derating.of/3.5°C/1000m with fanless models ar Americas regions may not have the CCC/PSE/nd IP water proof function installation caution, pm/Upload/PDF/LED_EN.pdf ured at 20MHz of bandwidth by using a 12" twist	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. TIC CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (© point (or TMP, per/www.meanwell.com and of 5°C/1000m with fan models for operating a BIS/KC logo. Please contact your MEAN WELL lease refer our user manual before using.	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  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  acc will be affected by the  Par DLC), is about 80°C or less.  attitude higher than 2000m(6500ft).  allel capacitor.			
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OTHERS	EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. Length of set up time is m 3. De-rating may be needed 4. The driver is considered a complete installation, the fill of the complete installation o	Radiated Harmonic Current  Voltage Flicker  BS EN/EN61547  Parameter  ESD  Radiated  EFT/Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  5721.2K hrs min. Telcordia SR-332 (Bellcore) 95*63*30mm (L*W*H) 0.34Kg;24pcs/ 9.16Kg/0.68CUFT for blank-type ally mentioned are measured at 230VAC input, reasured at first cold start. Turning ON/OFF the under low input voltages. Please refer to "STATs a component that will be operated in combina inal equipment manufacturers must re-qualify E cal life expectancy of >50,000 hours of operation ty statement on MEAN WELL's website at http://derating.of/3.5*C/1000m with fanless models are Americas regions may not have the CCC/PSE/nd IP water proof function installation caution, pm/Upload/PDF/LED_EN.pdf ured at 20MHz of bandwidth by using a 12" twist the latest ErP regulation for lighting fixture, this lexico) certificate, Please contact MEAN WELL seansured at 230VAC input, full load and 25°C of the component of the component of the latest ErP regulation for lighting fixture, this lexico) certificate, Please contact MEAN WELL seansured at 230VAC input, full load and 25°C of the component of the component of the latest ErP regulation for lighting fixture, this lexico) certificate, Please contact MEAN WELL seansured at 230VAC input, full load and 25°C of the component of the co	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  747.1Khrs min. MIL-HDBK-217F (25°C)  0.35Kg;24pcs/ 9.4Kg/0.68CUFT for B-type rated current and 25°C of ambient temperature. driver may lead to increase of the set up time. Tic C CHARACTERISTIC" sections for details. tion with final equipment. Since EMC performar MC Directive on the complete installation again. In when Tcase, particularly (©) point (or TMP, performent of 5°C/1000m with fan models for operating a BIS/KC logo. Please contact your MEAN WELL lease refer our user manual before using. Steed pair-wire terminated with a 0.1 uf & 47 uf particularly for details. Of ambient temperature.	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  are will be affected by the per DLC), is about 80°C or less.  altitude higher than 2000m(6500ft).  sales for more information.  thout permanently connected to the mains.			





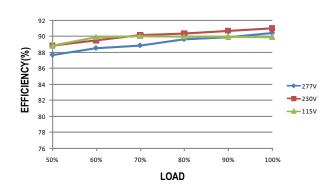
# ■ TOTAL HARMONIC DISTORTION (THD)

#### ★ L Model, Tcase at 75°C

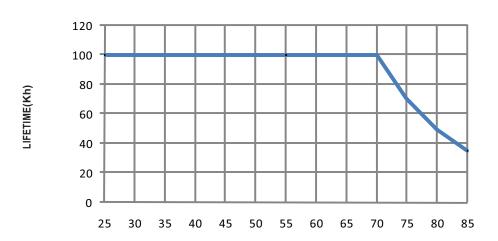


### ■ EFFICIENCY vs LOAD

 $\rm XLG\text{-}20$  series possess superior working efficiency that up to 89% can be reached in field applications.

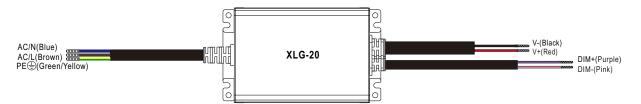


#### ■ LIFE TIME



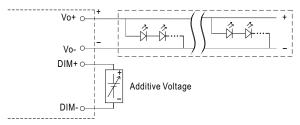
# MEAN WELL

#### **■ DIMMING OPERATION**



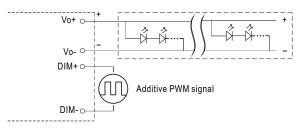
#### $\divideontimes$ 3 in 1 dimming function (for B-Type)

- 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.)



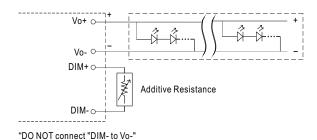
"DO NOT connect "DIM- to Vo-"

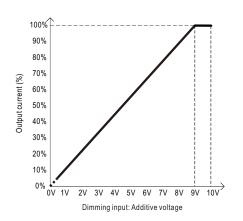
O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

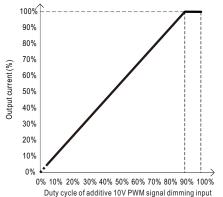


"DO NOT connect "DIM- to Vo-"

O Applying additive resistance:







100%
90%
80%
70%
60%
10%
20%
10%
Short 10KIN 20KIN 30KIN 40KIN 50KIN 60KIN 70KIN 80KIN 90KIN 100KIN
(N=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%.



