



A R IN Note.15

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
- Class 2 power unit(except for L type)
- Surge protection with 6KV/4KV
- 3 in 1 dimming function (Dim to off and Isolation design)
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- Protection functions: OVP/SCP/OCP/OTP
- Compliance to EN60335-1 household application
- Life time >50,000 hrs. and 5 years warranty

Applications

DEKRA

EN60335-

Skyscraper lighting

8

- Street lighting
- Floodlight Lighting
- Stage lighting
- Horticulture lighting
- Bay lighting
- DMX power supply
- Type HL for use in class I, Division 2
- · Household devices
- · Retail and refrigerated display

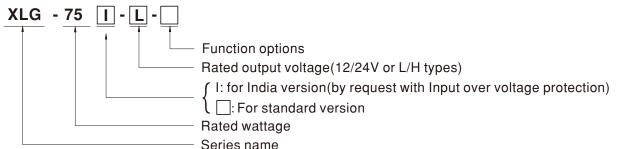
GTIN CODE

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

Description

XLG-75 series is a 75W LED AC/DC driver featuring the constant power mode.XLG-75 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 5000mA. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for $40^{\circ}C + 90^{\circ}C$ case temperature under free air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. Moreover the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. XLG-75 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



Туре	Function	Note
Blank	Io and Vo fixed.(For harsh envirenment)	By request
Α	lo adjustable via built-in potentiometer	In Stock
AB	lo adjustable via built-in potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock

Note: 1.12V and 24V models without the AB type

2.India version needs MOQ for production, please consult MEANWELL for detail



SPECIFICATION

	XLG-75 -12	XLG-75	24-				
DC VOLTAGE	12V	24V					
CONSTANT CURRENT REGION Note.2	8.4~ 12V	16.8~ 24V					
RATED CURRENT (Default)	5A	3.1A					
RATED POWER	60W	74.4W					
	150mVp-p						
SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VAC						
HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/ 115VAC						
VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)						
FREQUENCY RANGE	47 ~ 63Hz						
POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC@full load						
	COLD START 50A(twidth=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	9 units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC						
CIRCUIT BREAKER							
LEAKAGE CURRENT	<0.75mA/277VAC						
NO LOAD	No load power consumption <0.5W/for standard version						
POWER CONSUMPTION	No load power consumption <0.5w(for standard version)						
	95~108%						
OVER CURRENT							
SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
OVER VOLTAGE							
INPUT OVER VOLTAGE Note.7	320 ~ 370VAC (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	Shut down output voltage, re-power or	n to recover					
WORKING TEMP.	Tcase=-40 ~ +90 $^{\circ}$ C (Please refer to " Ol	JTPUT LOAD vs TEMPERATURE" sec	tion)				
MAX. CASE TEMP.	Tcase=+90°C						
VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13-12;ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384,EN 60335 compliant to EN 60335-2-89 Annex BB, EN 60335-2-24 Annex CC;GB19510.1, GB19510.14; EAC TP TC 004;J61347-1(H29), J61347-2-13(H29) KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for XLG-75I type only); OM-058-SCFI-2017(except for Blank type);IP67 approved						
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°C / 70% RH					
			Test Level/Note				
EMC EMISSION		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					
	BS EN/EN61547						
		Standard	Test Level/Note				
			Level 3, 8KV air ; Level 2, 4KV contact				
			Level 3				
			Level 3				
	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth				
	Conducted	BS EN/EN61000-4-6	Level 3				
	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				
MTRF	3404 7K hrs min Toleardia SB 333 (Bellcore): 276 2Kbre min Mill					
PACKING 0.58Kg;24pcs /15Kg /0.85CUFT							
 Please refer to "DRIVING ME Ripple & noise are measured Tolerance : includes set up to De-rating may be needed un Length of set up time is meas Input over voltage only for XL The driver is considered as a complete installation, the fina (as available on https://www. 	ETHODS OF LED MODULE". 1 at 20MHz of bandwidth by using a 12" olerance, line regulation and load regulati der low input voltages. Please refer to "S sured at first cold start. Turning ON/OFF .G-75 I series, and I series without UL/C component that will be operated in com I equipment manufacturers must re-qual meanwell.com//Upload/PDF/EMI_statem Iffe expectancy of >50,000 hours of ope	twisted pair-wire terminated with a 0. ion. STATIC CHARACTERISTIC" sections the driver may lead to increase of th SA certificate. hiptation with final equipment. Since f lify EMC Directive on the complete insident_en.pdf) retto when Tcase, particularly (c) po	Iuf & 47uf parallel capacitor. for details. e set up time. EMC performance will be affected by the stallation again. int (or TMP, per DLC), is about 75°C or less.				
 Please refer to the warranty The ambient temperature de Products sourced from the A To fulfill requirements of the to the mains 	erating of 3.5℃/1000m with fanless mod Americas regions may not have the PSE	E/CCC/BIS/KC logo. Please contact yo s, this LED drivers can only be used b	our MEAN WELL sales for more information. ehind a switch without permanently connected				
	CONSTANT CURRENT REGION Note.2 RATED CURRENT (Default) RATED POWER RIPPLE & NOISE (max.) Note.3 CURRENT ADJ RANGE VOLTAGE TOLERANCE Note.4 LINE REGULATION SETUP, RISE TIME Note.6 HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT NO LOAD POWER CONSUMPTION OVER CURRENT SHORT CIRCUIT OVER VOLTAGE Note.7 OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Input over voltage only or XI 3. The driver is considered as a 1. And parameters NOT specially 2. Input over of processed up to 5. De-rating may be needed up to 5.	DC VOLTAGE 12V CONSTANT CURRENT REGION Note.2 8.4~12V RATED DOWER 60W RATED POWER 60W RATED POWER 60W RATED POWER 60W RATED FOWER 60W RATED POWER 2.5A-5A VOLTAGE TOLERANCE Note.4 23.0% LINE REGULATION 42% SETUP, RISE TIME Note.6 500ms, 100ms/230VAC, 1200ms, 100r HOL DUP TIME (Typ.) 10ms/ 230VAC 100ms/15VAC VOLTAGE RANGE VP = 0.97/115VAC, PF ≥ 0.95/230VAC, P POWER FACTOR PF ≥ 0.97/115VAC OVAC URRENT 1.0A/ 115VAC NAX. No. OF PSUS on 16A 9 units (circuit breaker of type B) / 14 ur LEAKAGE CURRENT <0.75mA / 277VAC	DC VOLTAGE 12/V 24/V CONSTANT CURRENT REGION was: 6.4 - 12V 16.8 - 24V RATED CURRENT Default) 500 3.1.A RATED CURRENT ADROE 2.5.8 - 5.A 1.55.8 - 3.1.A UCITAGE TOLERANCE NEW 43.0% 22.0 + 5.K UCITAGE TOLERANCE NEW 43.0% 22.0 + 5.K LINE REGULATION 42.5 + 5.K 2.5.8 + 5.K VOLTAGE RANCE 10.0 + 30K/KC 112.4 + 4.1 + 5.K VOLTAGE RANCE 41.5 + 5.K 2.5.8 + 5.K VOLTAGE RANCE 41.5 + 5.K 2.5.8 + 5.K VOLTAGE RANCE 41.5 + 5.K 2.5.8 + 5.K VOLTAGE RANCE 42.5 + 5.K 2.5.8 + 5.K VOLTAGE RANCE 42.5 + 5.K 2.5.8 + 5.K VOLTAGE RANCE 42.5 + 5.K 2.5.8 + 5				



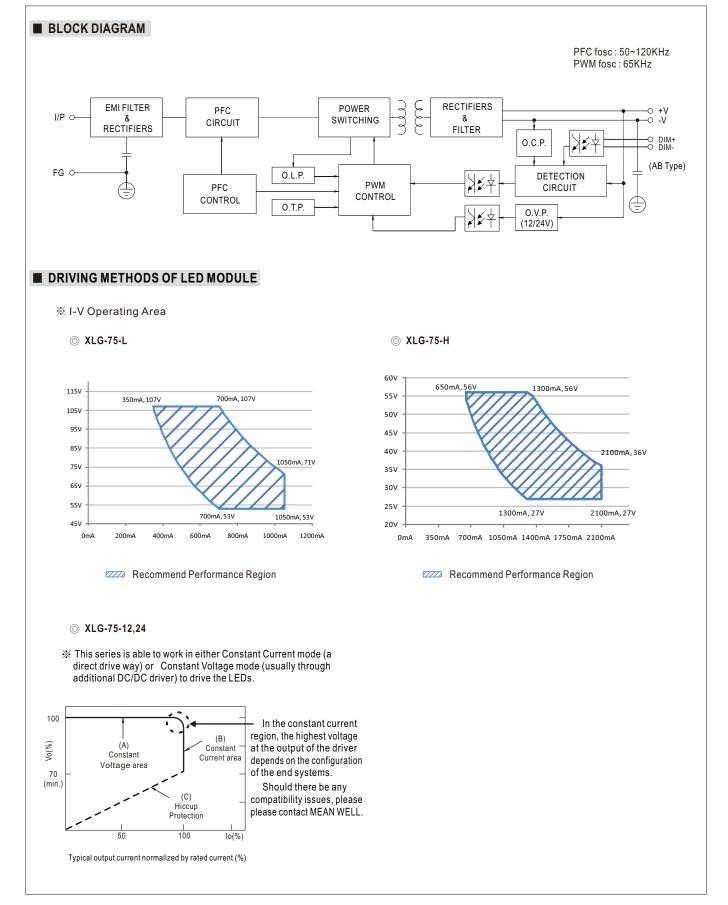
File Name:XLG-75-SPEC 2024-03-12

SPECIFICATION

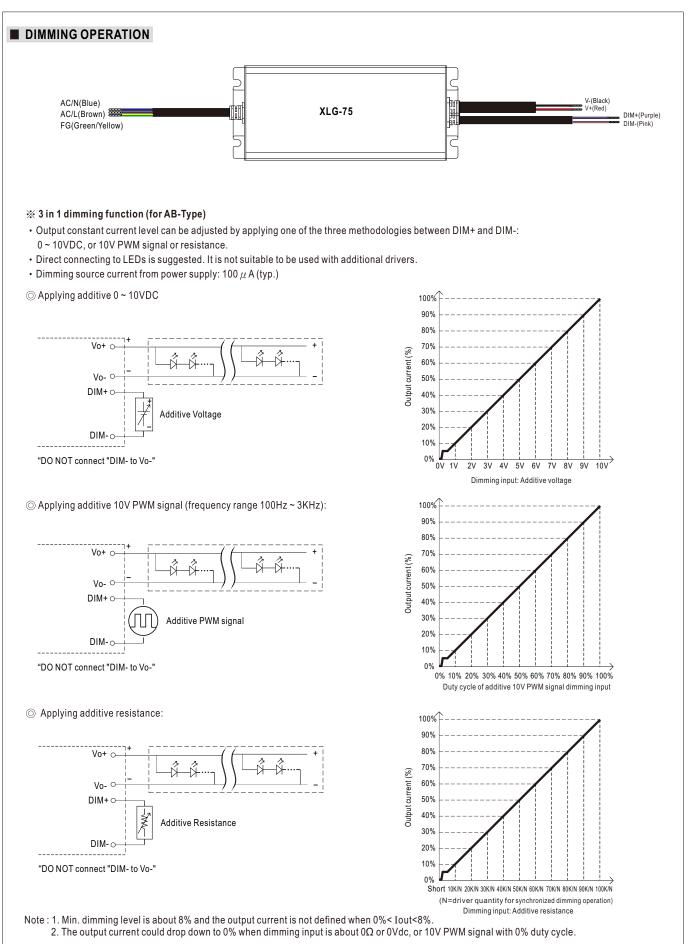
MODEL		XLG-75L		XLG-75 🗌-H- 🗌				
	RATED CURRENT (Default)	700mA		1400mA				
	RATED POWER	74.9W		75.6W				
OUTPUT	CONSTANT CURRENT REGION	53 ~ 107V		27 ~ 56V				
	FULL POWER CURRENT RANGE	700~1050mA		1300~2100mA				
	OPEN CIRCUIT VOLTAGE (max.)	115V		60V				
	CURRENT ADJ. RANGE	350~1050mA		650~2100mA				
	CURRENT RIPPLE	3.0%(@rated current)						
	CURRENT TOLERANCE	±5%						
	SET UP TIME	500ms/230VAC, 1200ms/115VAC						
	VOLTAGE RANGE Note.5							
	FREQUENCY RANGE	(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section) 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)						
		THD<10% (@ load≧50% at 115VAC/230VAC ,@load≧75% at 277VAC) Please refer to "TOTAL HARMONIC DISTORTION (THD)" section						
	TOTAL HARMONIC DISTORTION							
INPUT								
INPUT	EFFICIENCY (Typ.) AC CURRENT (Typ.)	91% 90%						
		1A / 115VAC 0.45A / 230VAC 0.38A / 277VAC COLD START 50A(twidth=300us measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	INRUSH CURRENT(Typ.)	COLD START SUA(twidth=S00µs Ineasured al	1 50% Ipeak) at 250VAC	, PEI NEWA 410				
	MAX. NO. of PSUs on 16A	9 unit(circuit breaker of type B) / 14 units(circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	STANDBY	Standby power consumption <0.5W fo	r AB-Type(Dimmin	g OFF)(for standard	version)			
	POWER CONSUMPTION							
	OVER POWER	110 ~ 150%						
	OVERFOWER	Hiccup mode, recovers automatically after	fault condition is remo	ved				
PROTECTION	SHORT CIRCUIT	Hiccup mode or Constant current limiting, re	ecovers automatically	after fault condition is	removed			
TROILCHON	INPUT OVER VOLTAGE Note.7	320 ~ 370VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is removed)						
	INFUT OVER VOLTAGE Note./	Can survive input voltage stress of 440Vac	for 48 hours					
	OVER TEMPERATURE	Shut down output voltage, re-power on to re	ecovery					
	WORKING TEMP.	Tcase=-40 ~ +90 $^\circ\mathrm{C}$ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing						
	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 Note.7	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384;EN 60335-1 compliant to EN 60335-2-89 Annex BB, EN 60335-2-24 Annex CC;GB19510.1, GB19510.14; EAC TP TC 004;J61347-1(H29), J61347-2-13(H29), KC61347-1,KC61347-2-13,IS15885(Part2/Sec13)(for XLG-75I type only); NOM-058-SCFI-2017(except for Blank type);IP67 approved						
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50	0VDC/25°C/70% R	Н				
LINIC		Parameter	Standard		Test Level/Note			
		Conducted	BS EN/EN55015(CI	SPR15) ,GB/T 17743				
	EMC EMISSION	Radiated	BS EN/EN55015(CI	SPR15) ,GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-	2,GB17625.1	Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-	3				
		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 3			
	EMC IMMUNITY	EFT/Burst	BS EN/EN61000-4-		Level 3			
		Surge	BS EN/EN61000-4-		4KV/Line-Line 6KV/Line-Earth			
		Conducted	BS EN/EN61000-4-		Level 3			
		Magnetic Field	BS EN/EN61000-4-		Level 4			
		Voltage Dips and Interruptions	BS EN/EN61000-4-		>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
	MTBF	3404.7K hrs min. Telcordia SR-332 (Bell	core); 276.3Khrs i	nin. MIL-HDBK-217	F (25℃)			
OTHERS	DIMENSION	140*63*32mm (L*W*H)						
	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT						
NOTE	 Please refer to "DRIVING ME Ripple & noise are measured Tolerance : includes set up to De-rating may be needed un Length of set up time is meas Input over voltage only for XL The driver is considered as a complete installation, the fina (as available on https://www. This series meets the typical Please refer to the warranty The ambient temperature de Poducts sourced from the A 	mentioned are measured at 230VAC input, THODS OF LED MODULE". I at 20MHz of bandwidth by using a 12" twis learance, line regulation and load regulation. der low input voltages. Please refer to "STA" sured at first cold start. Turning ON/OFF the .G-75 I series and I series without UL/CSA component that will be operated in combin le quipment manufacturers must re-qualify E meanwell.com//Upload/PDF/EMI_statement life expectancy of >50,000 hours of operatic statement on MEAN WELL's website at htt rarting of 3.5°C/1000m with fanless models Americas regions may not have the PSE/CC latest ErP regulation for lighting fixtures, thi	ted pair-wire termina TIC CHARACTERIST driver may lead to ir certificate. ation with final equipr SMC Directive on the _en.pdf) on when Tcase, partic p://www.meanwell.co and of 5℃/1000 m wi Co/BIS/KC logo. Plea	ted with a 0.1uf & 47uf TIC" sections for details icrease of the set up til nent. Since EMC perfor complete installation a ularly (ic) point (or TMI m th fan models for oper- se contact your MEAN	ⁱ parallel capacitor. me. rmance will be affected by the gain. P, per DLC), is about 75℃ or less. ating altitude higher than 2000m(6500ft). WELL sales for more information.			

Titps://www.ineariweii.com/upipadir/Dr/LED_En.pdu
 T5. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details.
 X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

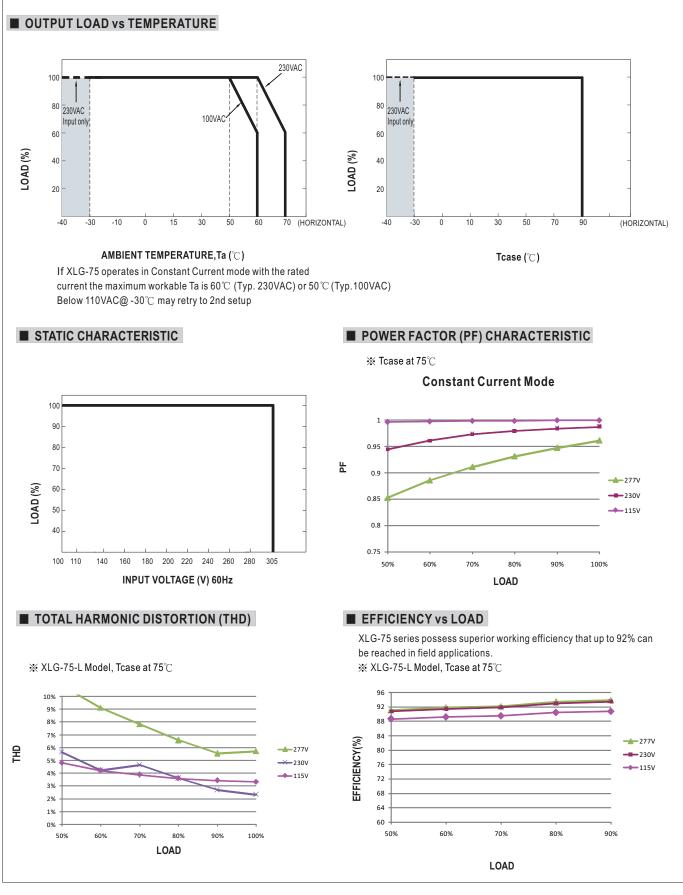








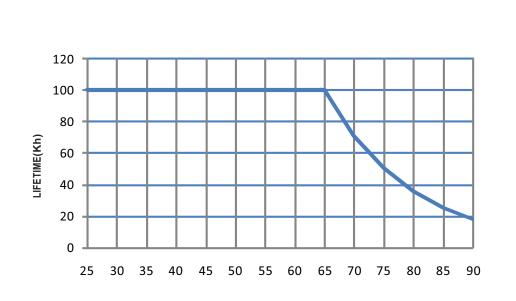






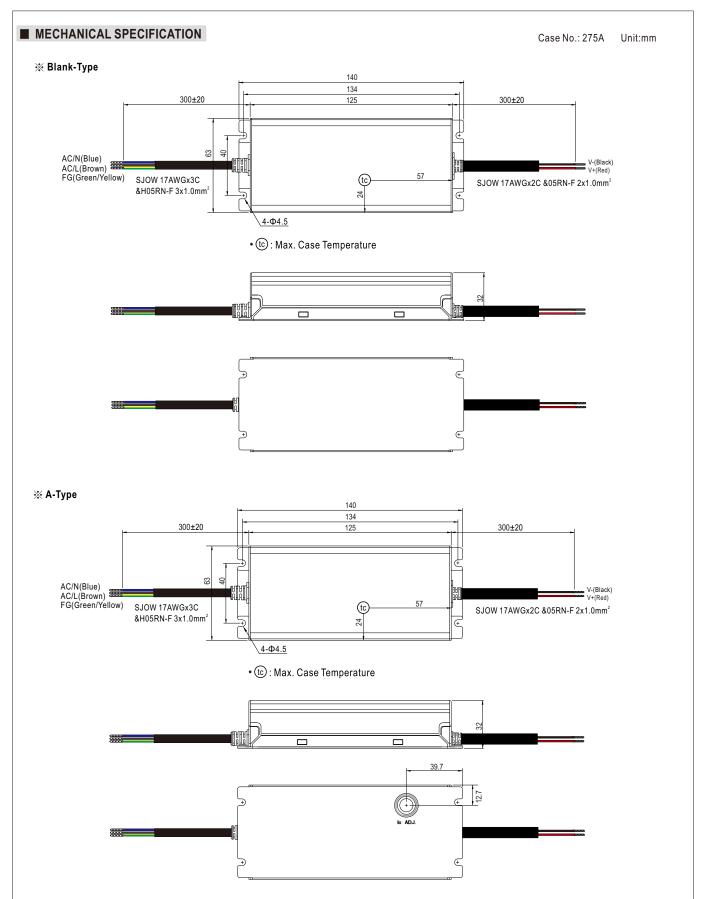
75W Constant Power Mode LED Driver





Tcase (°℃)





File Name:XLG-75-SPEC 2024-03-12



