



- · Compliance to EN60335-1 household application
- Life time >50,000 hrs. and 5 years warranty

- 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°C ~+90°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 Encodina

XLG - 75 I - L -	
	Function options
	Rated output voltage(12/24V or L/H types)
	f I: for India version(by request with Input over voltage protection)
	∫ □: For standard version
	Rated wattage
	Series name

Туре	Function	Note
Blank	Io and Vo fixed.(For harsh envirenment)	By request
A	lo adjustable via built-in potentiometer	In Stock
AB	Io adjustable via built-in potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
CV	CV-type only with constant voltage function and only for 12V and 24V models, lo and Vo are fixed.	By request

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

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



#### SPECIFICATION

MODEL		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				
	RIPPLE & NOISE (max.) Note.3	150mVp-p		240mVp-p				
	CURRENT ADJ RANGE	2.5A~5A		1.55A~3.1A				
DUTPUT	VOLTAGE TOLERANCE Note.4	±3.0%		±2.0%				
	LINE REGULATION	±0.5%		±0.5%				
	LOAD REGULATION	±2%		±1%				
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115	VAC					
	HOLD UP TIME (Typ.)	10ms/ 230VAC 10ms/ 115VAC						
		100 ~ 305VAC 142 ~ 431VDC						
	VOLTAGE RANGE Note.5	(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						
	TOTAL HARMONIC DISTORTION	THD< 10%(@load≧50%/115VC,230VAC; @lo	oad≧75%/277VAC)					
NPUT	EFFICIENCY (Typ.)	89%		90%				
	AC CURRENT	1.0A / 115VAC 0.45A / 230VAC 0.38A/27						
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50% lpeak) at 230VAC; Per NEMA 410						
	MAX. No. of PSUs on 16A							
	CIRCUIT BREAKER	9 units (circuit breaker of type B) / 14 units (ci	ircuit breaker of type C) at 230	VAC				
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	NOLOAD		tendend (markers)					
	POWER CONSUMPTION	No load power consumption <0.5W(for s	staridard version)					
		110~160% for CV type, 95~108% for other type	e					
	OVER CURRENT	CV-type: Hiccup mode only; Other type: Hiccup		Recovers automaticall	y after fault condition is removed			
	SHORT CIRCUIT	CV-type: Hiccup mode only; Other type: Hiccup			•			
ROTECTION		13~19V		26~36V	•			
	OVER VOLTAGE	Shut down output voltage, re-power on to rec	cover					
		320 ~ 370VAC (Shut down output voltage when		otection voltage, recov	vers automatically after fault			
	INPUT OVER VOLTAGE	condition is removed)			·			
		Can survive input voltage stress of 440Vac for	48 hours(Input over voltage or	nly for XLG-75I series)	1			
	OVER TEMPERATURE	Shut down output voltage, re-power on to rec	over					
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to " OUTPUT	LOAD vs TEMPERATURE" se	ection)				
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72m	in, 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-75) 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 / 500VI						
		Parameter			Test Level/Note			
		Conducted	BS EN/EN55015(CISPR1	15) GB/T 17743				
		Radiated	BS EN/EN55015(CISPR1	,.				
	EMC EMISSION				Class C @load≥50%			
		Harmonic Current Voltage Flicker	BS EN/EN61000-3-2 ,GI	017023.1				
MC			BS EN/EN61000-3-3					
SAFETY &		BS EN/EN61547	Standard		Toot Lovel/Nete			
		Parameter	Standard		Test Level/Note			
		ESD Padiated	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/EN61000-4-4					
		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,			
		Voltage Dips and Interruptions BS EN/EN61000-4-11 >95% interruptions 250 periods						
	MTBF	3404.7K hrs min. Telcordia SR-332 (Bellcore); 276.3Khrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	140*63*32mm (L*W*H)						
	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT						
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rade current and 25℃ of ambient temperature.</li> <li>Please refer to "DRIVING METHODS OF LED MODULE". (Except for CV-type)</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>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.</li> <li>Only CE/ENEC/CB is available for CV-type. XLG-75I series without UL/CSA certificate.</li> <li>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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)</li> <li>This series meets the typical life expectancy of &gt;50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75℃ or less.</li> <li>Please refer to the warranty statement to MEAN WELL's website at http://www.meanwell.com</li> <li>The drivers sourced from the Americas regions may not have the PSE/CC/DIS/KC logo. Please contact your MEAN WELL sales for more information.</li> <li>For any application not and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/ED_EN.pdf</li> <li>To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED drivers can only be used behind a switch without permanently connected to the mains 14. For any application note and IP water proof function installation caution, please refer our user manu</li></ol>							

16. For A/AB type need to consider build in using to comply with Type LL application.
 ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

File Name:XLG-75-SPEC 2024-10-11

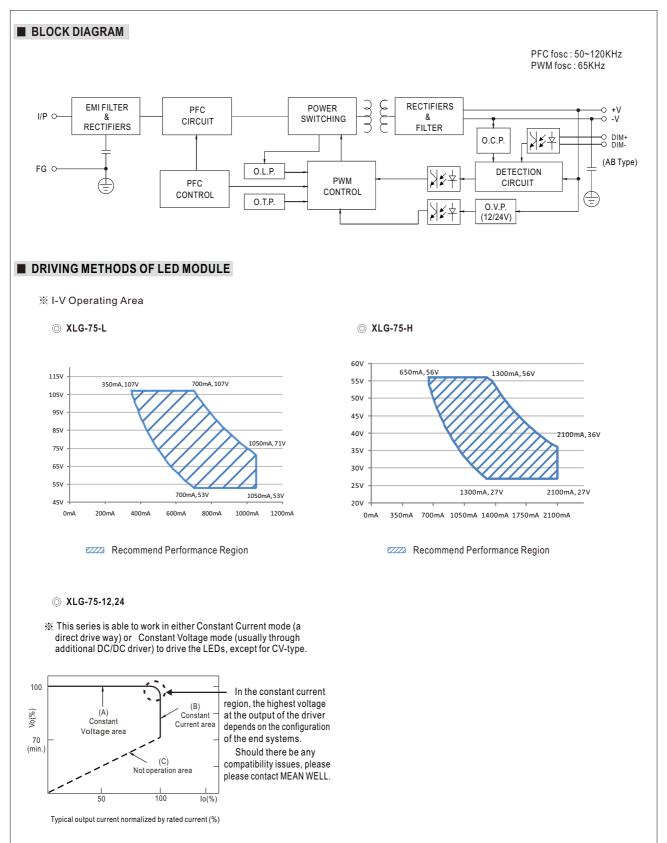


#### SPECIFICATION

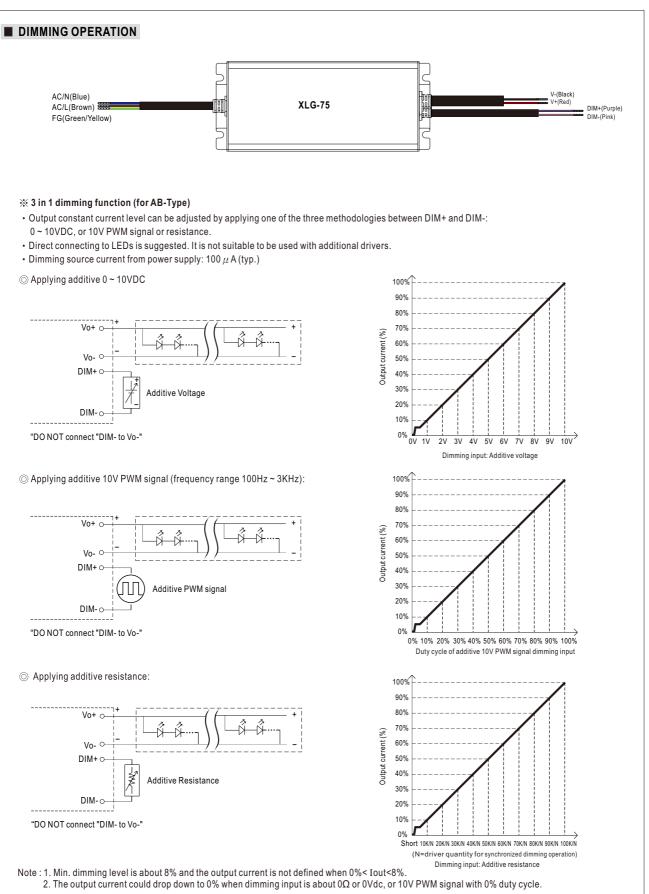
MODEL		XLG-75 -L-		(LG-75 🗌-H- 🗌				
WODEL	RATED CURRENT (Default)	700mA		400mA				
	RATED CORRENT (Default)	74.9W		400MA 75.6W				
	CONSTANT CURRENT REGION			27 ~ 56V				
	FULL POWER CURRENT RANGE			300~2100mA				
DUTPUT	OPEN CIRCUIT VOLTAGE (max.)			0V				
01901								
	CURRENT ADJ. RANGE	350~1050mA	1	i50~2100mA				
	CURRENT RIPPLE	3.0%(@rated current)						
	CURRENT TOLERANCE	±5%						
	SET UP TIME	500ms/230VAC, 1200ms/115VAC						
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF≧0.97 / 115VAC, PF≧0.95 / 230VAC, PF≧0.92 / 277VAC at full load (Please refer to "Power Factor Characteristic" section)						
	TOTAL HARMONIC DISTORTION	THD< 10% (@ load≥50% at 115VAC/230VAC ,@load≥75% at 277VAC) Please refer to "TOTAL HARMONIC DISTORTION (THD)" section						
INPUT	EFFICIENCY (Typ.)	91% 90%						
	AC CURRENT (Typ.)	1A/115VAC 0.45A/230VAC 0.38A/277VAC						
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50%	peak) at 230VAC; Per NEN	A 410				
	MAX. NO. of PSUs on 16A	· · · · · · · · · · · · · · · · · · ·						
	CIRCUIT BREAKER	9 unit(circuit breaker of type B) / 14 units(circuit breaker of type C) at 230VAC <0.75mA / 277VAC						
		S0.1311A1 211 VAG						
	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W for AB-Type(Dimming OFF)(for standard version)						
	OVER POWER	110 ~ 150% Hiccup mode, recovers automatically after fault c	condition is removed					
ROTECTION	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
	INPUT OVER VOLTAGE	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(Input over voltage only for XLG-75I series)						
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover		(P				
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LO	AD VS TEMPERATURE" Se	ction)				
	MAX. CASE TEMP.	Tcase=+90°C						
VIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
	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 WITHSTAND VOLTAGE	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 I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC						
SAFETY &	ISOLATION RESISTANCE	I/P-O/P. I/P-FG, O/P-FG:100M Ohms / 500VDC						
EMC	ISOEAHON REDIGIANCE		Standard		Test Level/Nete			
		Parameter	BS EN/EN55015(CISPR	5) GB/T 17743	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR					
	EMC EMISSION	Radiated	BS EN/EN61000-3-2 .GE	-				
		Harmonic Current		517025.1	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/EN61000-4-4		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			
	MTBF	3404.7K hrs min. Telcordia SR-332 (Bellcore); 276.3Khrs min. MIL-HDBK-217F (25°C)						
THERS	DIMENSION	140*63*32mm (L*W*H)						
	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT						
IOTE	<ol> <li>Please refer to "DRIVING M 3. Ripple &amp; noise are measure 4. Tolerance : includes set up 5. De-rating may be needed u 6. Length of set up time is mea- (7. XLG-751 series without UL// 8. The driver is considered as complete installation, the fir (as available on https://www 9. This series meets the typica 10. Please refer to the warran 11. The ambient temperature of 12. Products sourced from the 13. To fullfill requirements of the 14. For any application note a https://www.meanwell.com</li> </ol>	a component that will be operated in combinational equipment manufacturers must re-qualify EN , meanwell.com//Upload/PDF/EM_statement_e al life expectancy of >50,000 hours of operation by statement on MEAN WELL's website at http:// derating of 3.5°C/1000m with fanless models an Americas regions may not have the PSE/CCC, ne latest ErP regulation for lighting fixtures, this nd IP water proof function installation caution, p //Upload/PDF/LED_EN.pdf	d pair-wire terminated with C CHARACTERISTIC" sec river may lead to increase on with final equipment. S <i>I</i> C Directive on the comple m.pdf) when Tcase, particularly ( /www.meanwell.com d of 5°C/1000m with fan n /BIS/KC logo. Please cont LED drivers can only be u lease refer our user manu	a 0.1uf & 47uf parallel tions for details. of the set up time. nce EMC performance te installation again. point (or TMP, per D point (or TMP, per D nodels for operating alt act your MEAN WELL sed behind a switch wi al before using.	will be affected by the NLC), is about 75°C or less. itude higher than 2000m(6500ft). sales for more information.			
	https://www.meanwell.com 15. If you need the NOM (Mex 16. For A/AB type need to con		les representative for deta lication.	ils.	File Name:XLG-75-SPEC 2024			



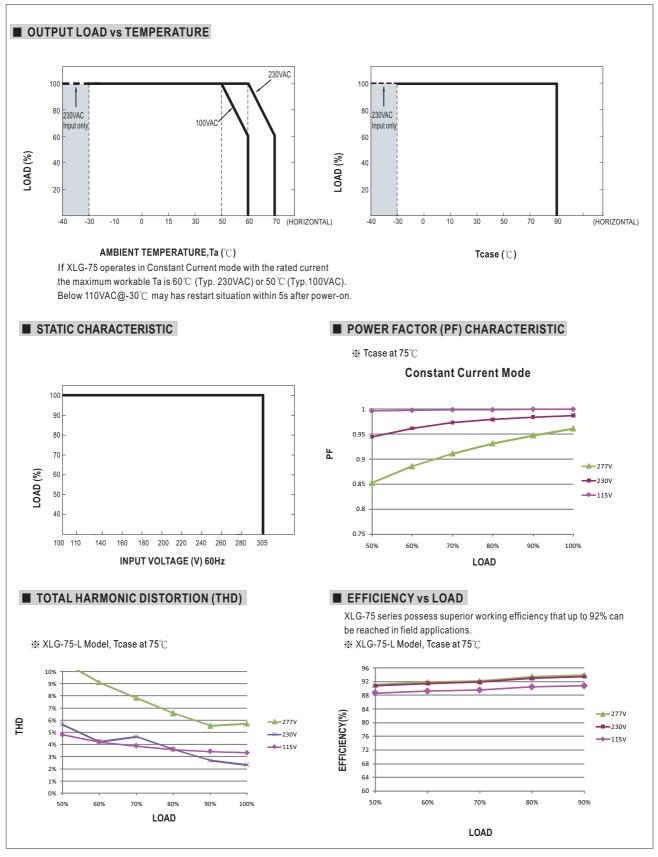
### 75W Constant Power Mode LED Driver





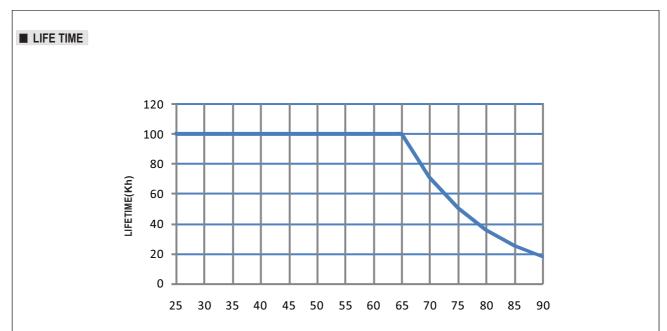






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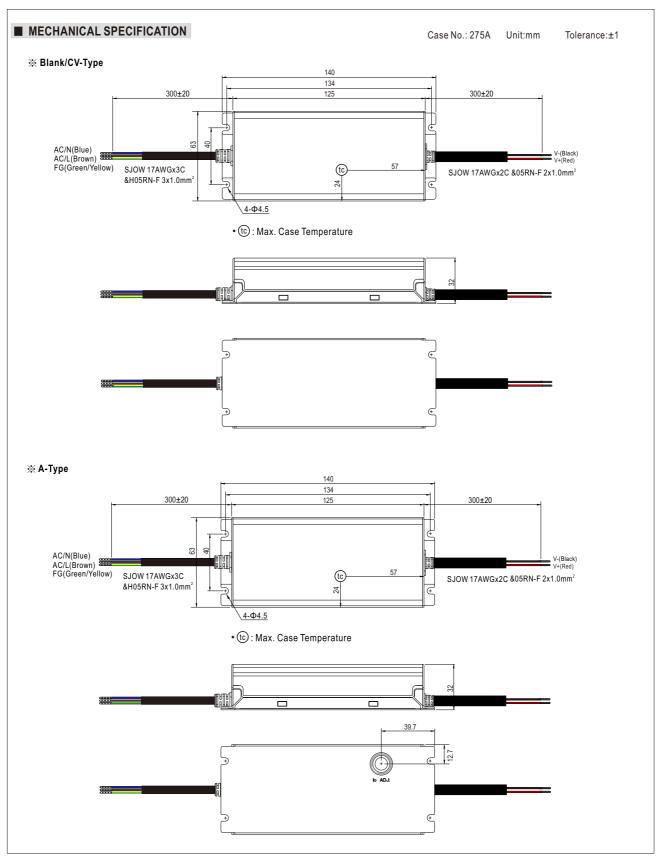




Tcase (  $^\circ\!\mathbb{C}$  )



### 75W Constant Power Mode LED Driver





### 75W Constant Power Mode LED Driver

