





#### Features

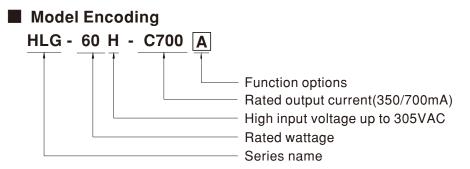
- · Constant Current mode output
- · Metal housing with Class I design
- Built-in active PFC function
- IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime>62000 hours
- 7 years warranty

#### Description

#### Applications

- · LED street lighting
- · LED fishing lamp
- · LED harbor lighting
- LED building architectural lighting
- LED greenhouse lighting
- LED bay lighting

HLG-60H-C series is a 70W AC/DC LED driver featuring the constant current mode and high voltage output. HLG-60H-C operates from 90~305VAC and offers models with different rated current ranging between 350mA and 700mA. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for  $-40^{\circ}$ C ~  $+80^{\circ}$ C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-60H-C is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



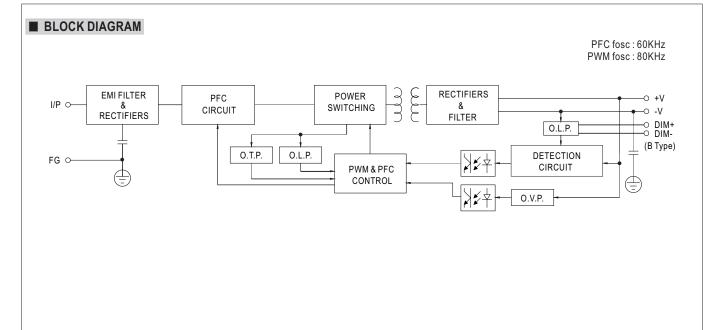
Туре	IP Level	Function	Note
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending). By reque	



#### SPECIFICATION

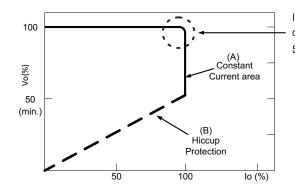
MODEL		HLG-60H-C350	HLG-60H-C700		
	RATED CURRENT	350mA	700mA		
OUTPUT	RATED POWER	70W	70W		
	CONSTANT CURRENT REGION Note.2		50 ~ 100V		
	CONSTANT CORRENT REGION NOLE.2				
	CURRENT ADJ. RANGE	Adjustable for A/AB-Type only (via built-in potentiometer) 210 ~ 350mA	420 ~ 700mA		
			420 ~ 700IIIA		
	CURRENT RIPPLE	5.0% max. @rated current			
		±5%			
	SET UP TIME Note.4				
	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)			
	FREQUENCY RANGE	47 ~ 63Hz			
		PF ≥ 0.98/115VAC, PF ≥ 0.96/230VAC, PF ≥ 0.94/277VAC @full load			
	POWER FACTOR (Typ.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)			
INPUT		THD<20% (@ load≧60% /115VAC, 230VAC; @ load≧75%/277VAC)			
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION (THD)" sec	tion)		
	EFFICIENCY (Typ.)	91%	90.5%		
	AC CURRENT (Typ.)	0.69A / 115VAC 0.35A / 230VAC 0.29A / 277VAC			
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=275, $\!$	; Per NEMA 410		
	MAX. No. of PSUs on 16A	8 units (circuit breaker of type B) / 13 units (circuit breaker of type C) at 230VAC			
	CIRCUIT BREAKER	< 0.75mA/277VAC			
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is remo	ved		
	SHORT CIRCOT	230 ~ 250V 120 ~ 140V			
PROTECTION	OVER VOLTAGE	Shut down o/p voltage with auto-recovery or re-power on to recovery			
	OVER TEMPERATURE	Shut down o/p voltage with adto-recovery or re-power on to recovery			
			ATLIPE" section)		
	WORKING TEMP. MAX. CASE TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) Tcase=+80°C			
ENVIRONMENT	WORKING HUMIDITY	10 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	-40 ~ +80°C, 10 ~ 95% RH			
		$\pm 0.03\%^{\circ}$ C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes			
SAFETY &	SAFETY STANDARDS Note.6	UL8750, CSA C22.2 No. 250.0-08, EN/AS/NZS 61347-1,EN/AS/NZS 61347-2-13 independent, GB19510.1,GB19510.14, EAC TP TC 004,IP65 or 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	1		
EMC	EMC EMISSION Note.6	Compliance to EN55015, EN61000-3-2 Class C (@ load ≥ 60%)	; EN61000-3-3, GB17743 and GB17625.1, EAC TP TC 020		
	EMC IMMUNITY		level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020		
	MTBF	878.1K hrs min. Telcordia SR-332 (Bellcore); 338K hrs min			
OTHERS	DIMENSION	171*61.5*36.8 mm (L*W*H)			
	PACKING	0.73Kg; 20pcs/15.6Kg/0.9CUFT			
NOTE	1. All parameters NOT aposicily manipulation are pressured at 220/AC input rotad surrent and $25^{\circ}$ of ambient temperature				
NOTE	2. Please refer to "DRIVING METHODS OF LED MODULE".				
	3. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.				
	<ol> <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>The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the</li> </ol>				
	complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.				
	6. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently				
	connected to the mains. 7. This series meets the typical life expectancy of $52000$ hours of operation when Trace, particularly (to point (or TMP, per DLC), is about 75°C or less				
	7. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 75°C or less. 8. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.				
	9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).				
	10. For any application note and IP water proof function installation caution, please refer our user manual before using.				
	https://www.meanwell.com/Upload/PDF/LED_EN.pdf				





#### DRIVING METHODS OF LED MODULE

% This series works in constant current mode to directly drive the LEDs.

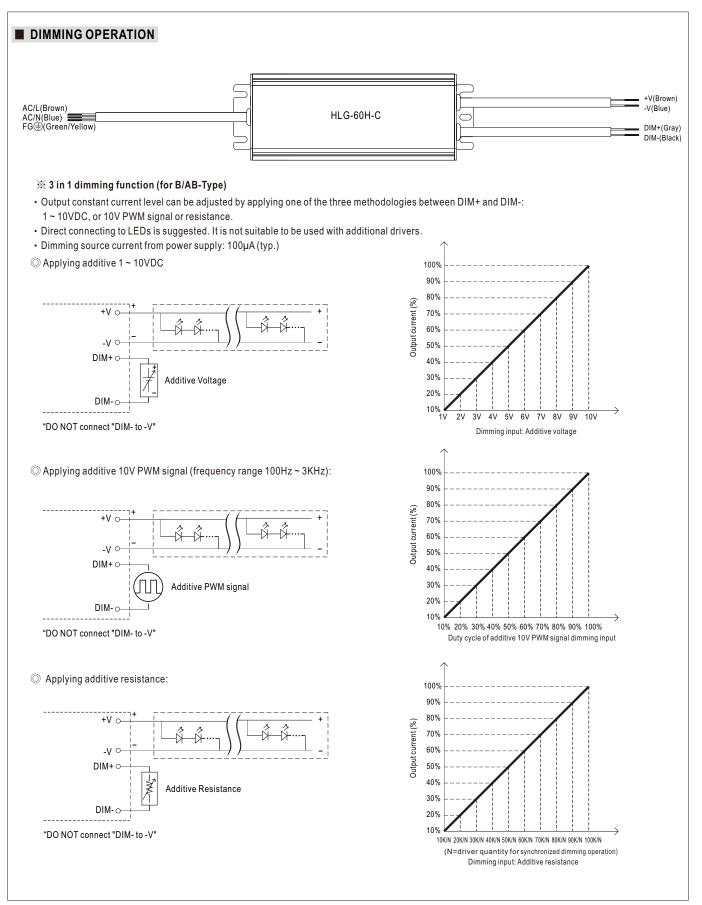


Typical output current normalized by rated current (%)

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.



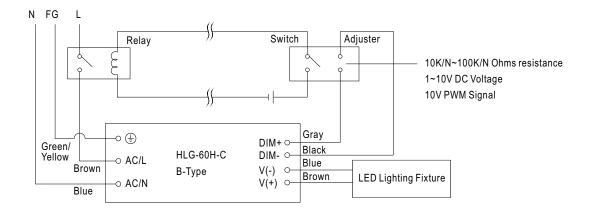




### 70W Constant Current Mode LED Driver

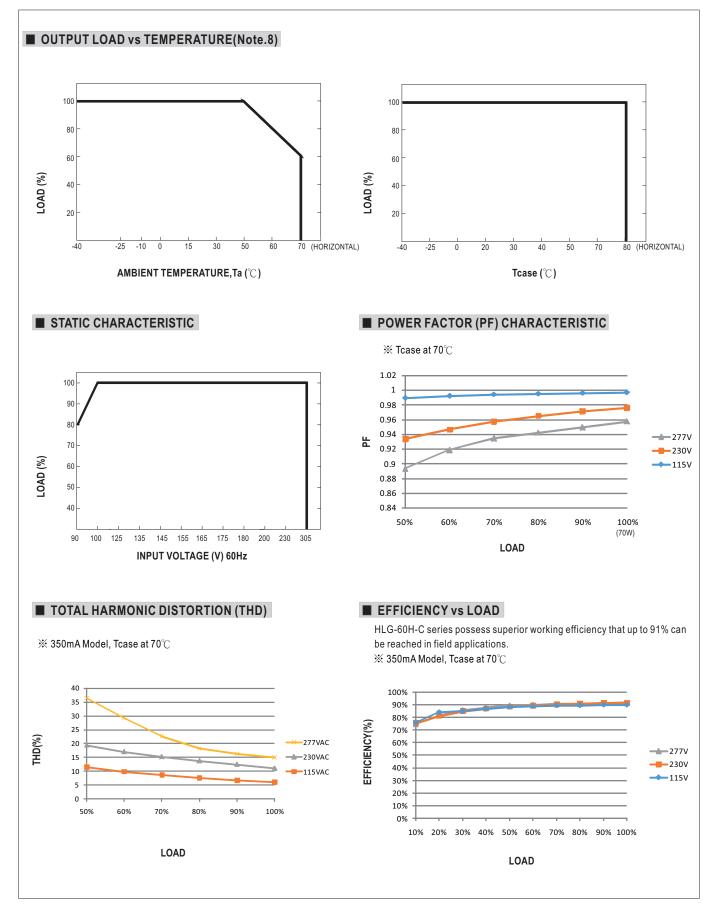
# HLG-60H-C series

Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



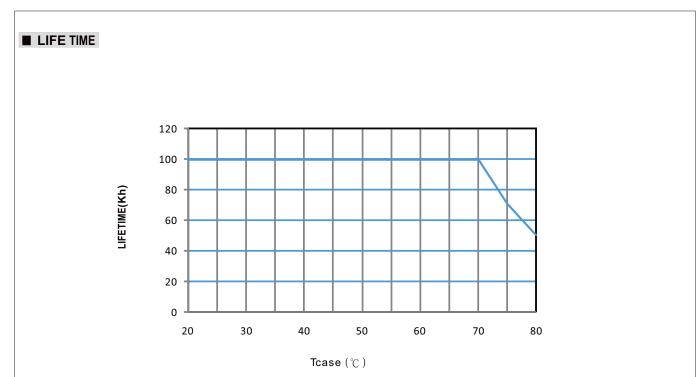
Using a switch and relay can turn ON/OFF the lighting fixture.



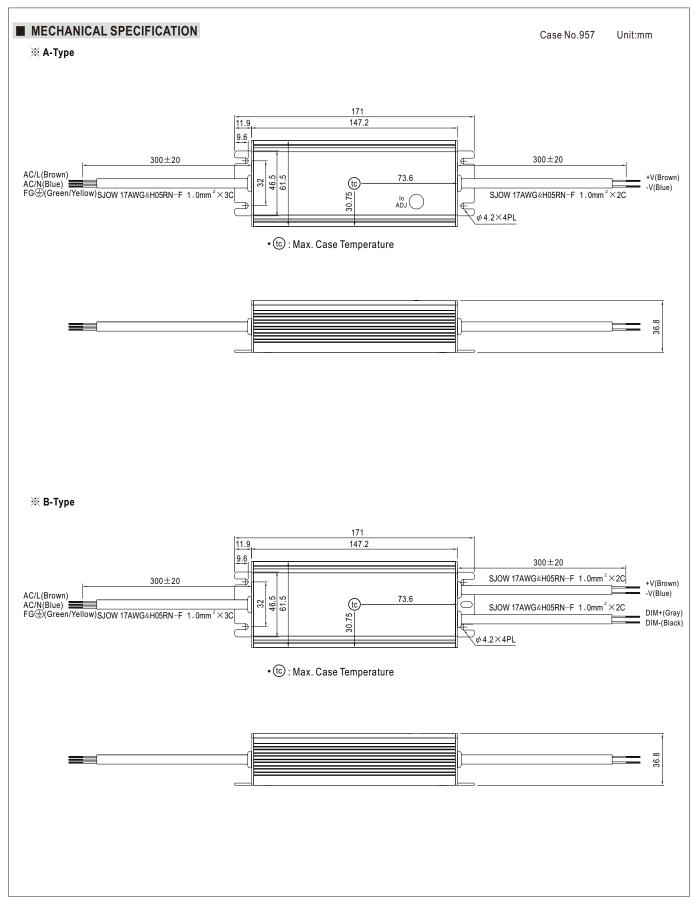




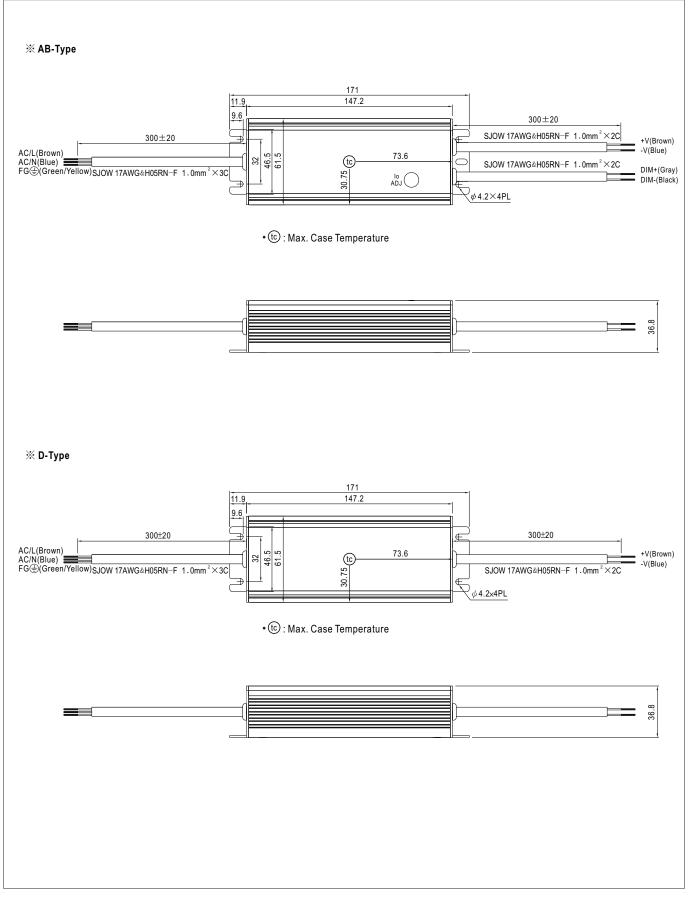
### 70W Constant Current Mode LED Driver









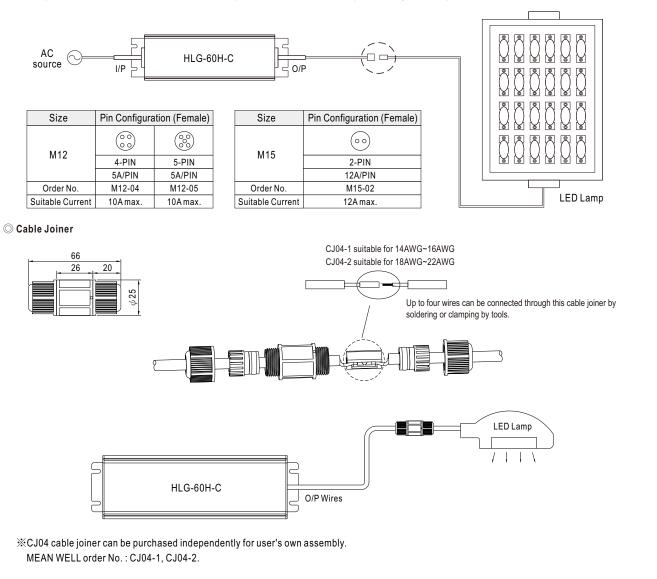




#### WATERPROOF CONNECTION

#### ◎ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-60H-C to operate in dry/wet/damp or outdoor environment.



#### ■ INSTALLATION MANUAL

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