





Features

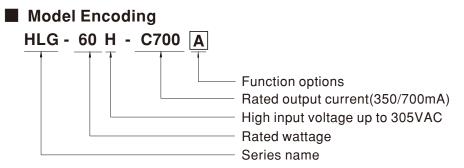
- · Constant Current mode output
- · Metal housing with Class I design
- Built-in active PFC function
- IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime>62000 hours
- 7 years warranty

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° 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.



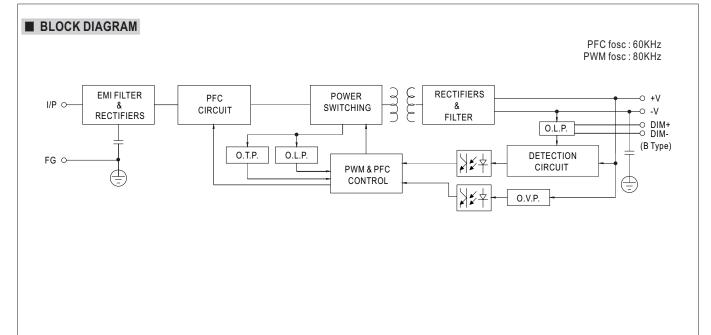
Туре	IP Level	Function	Note
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D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



SPECIFICATION

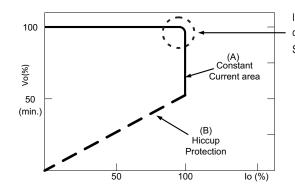
	HLG-60H-C350	HLG-60H-C700			
		700mA			
		700MA 70W			
CONSTANT CURRENT REGION Note.2		50 ~ 100V			
CURRENT ADJ. RANGE		400 700 4			
		420 ~ 700mA			
SET UP TIME Note.4					
VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)				
FREQUENCY RANGE	47 ~ 63Hz				
POWER FACTOR (Typ.)	$\label{eq:PF} \begin{array}{l} PF{\cong}0.98/115VAC, PF{\cong}0.96/230VAC, PF{\cong}0.94/277VAC @ full \ load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) array$				
TOTAL HARMONIC DISTORTION	THD<20% (@ load≧60% /115VAC, 230VAC; @ load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)				
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,s measured at 50% Ipeak) at 230VAC; Per NEMA 410				
MAX. No. of PSUs on 16A CIRCUIT BREAKER	8 units (circuit breaker of type B) / 13 units (circuit breaker of type C) at 230VAC				
LEAKAGE CURRENT	<0.75mA/277VAC				
SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is remo	oved			
	230 ~ 250V	120 ~ 140V			
OVER VOLIAGE	Shut down o/p voltage with auto-recovery or re-power on to recov	very			
OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover				
WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)				
MAX. CASE TEMP.	Tcase=+80°C				
WORKING HUMIDITY	10 ~ 95% RH non-condensing				
STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
TEMP. COEFFICIENT	±0.03%/°C (0~50°C)				
VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes				
SAFETY STANDARDS Note.6	UL8750, CSA C22.2 No. 250.0-08, BS EN/EN/AS/NZS 61347-1,BS EN/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% Rł	Н			
EMC EMISSION Note.6	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (r EAC TP TC 020	@ load \geq 60%) ; EN61000-3-3,GB17743 and GB17625.1,			
EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, H EAC TP TC 020	neavy industry level (surge immunity Line-Earth 4KV, Line-Line 2KV),			
MTBF	878.1K hrs min. Telcordia SR-332 (Bellcore); 338K hrs min	n. MIL-HDBK-217F (25℃)			
DIMENSION	171*61.5*36.8 mm (L*W*H)				
PACKING	0.73Kg; 20pcs/15.6Kg/0.9CUFT				
2. Please refer to "DRIVING N	All parameters NOT specially mentioned are measured at 230VAC input, rated current and $25^{\circ C}$ of ambient temperature. Please refer to "DRIVING METHODS OF LED MODULE".				
 De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 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. 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. 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. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (c) 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. 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(65 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 					
	CURRENT ADJ. RANGECURRENT RIPPLECURRENT TOLERANCESET UP TIMENote.3SET UP TIMENote.3FREQUENCY RANGEPOWER FACTOR (Typ.)FREQUENCY (Typ.)TOTAL HARMONIC DISTORCOTAL HARMONIC DISTORIONALEFFICIENCY (Typ.)AC CURRENT (Typ.)AC CURRENT (Typ.)MAX. No. of PSUs on 16ACIRCUIT BREAKERIONALLEAKAGE CURRENT (TYP.)MAX. No. of PSUs on 16ACIRCUIT BREAKERIONER VOLTAGEOVER VOLTAGEIONER VOLTAGEOVER VOLTAGEIONAX. CASE TEMP.WORKING TEMP.MAX. CASE TEMP.WORKING TEMP.IONENIONSTORAGE TEMP., HUMIDITYTEMP. COEFFICIENTVIBRATIONNote.6EMC EMISSIONNote.6EMC IMMUNITYIONENSION1. All parameters NOT special2. Please refer to "DRIVING M3. De-rating may be needed u4. Length of set up time is may5. The driver is considered as complete installation, the fin6. To fulfill requirements of the connected to the mains.7. This series meets the typical8. Please refer to the warranty9. The ambient temperature data10. For any application note at https://www.meanwell.com	RATED POWER 70W CONSTANT CURRENT REGION Note:2 100 ~ 200V Adjustable for A/AB-Type only (via built-in potentiometer) 210 ~ 350mA CURRENT TOLERANCE ±5% SET UP TIME Note:4 90 ~ 305VAC 127 ~ 431VDC VOLTAGE RANGE 47 ~ 63Hz POWER FACTOR (Typ.) PF ≥ 0.98/115VAC, PF ≥ 0.96/230VAC, PF ≥ 0.94/277VAC @full in (Please refer to "TOTAL HARMONIC DISTORTION FREQUENCY RANGE 47 ~ 63Hz POWER FACTOR (Typ.) PF ≥ 0.98/115VAC, PF ≥ 0.96/230VAC, PF ≥ 0.94/277VAC @full in (Please refer to "TOTAL HARMONIC DISTORTION (THD)" sec TOTAL HARMONIC DISTORTION THD < 20% (@ioda ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda = 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda > 75% in [oida ≥ 60% in 15VAC, 230VAC @ioda > 75% in [oida > 75% in [oida ≥ 60% in [oida ≥ 60% in [oida > 60			





DRIVING METHODS OF LED MODULE

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

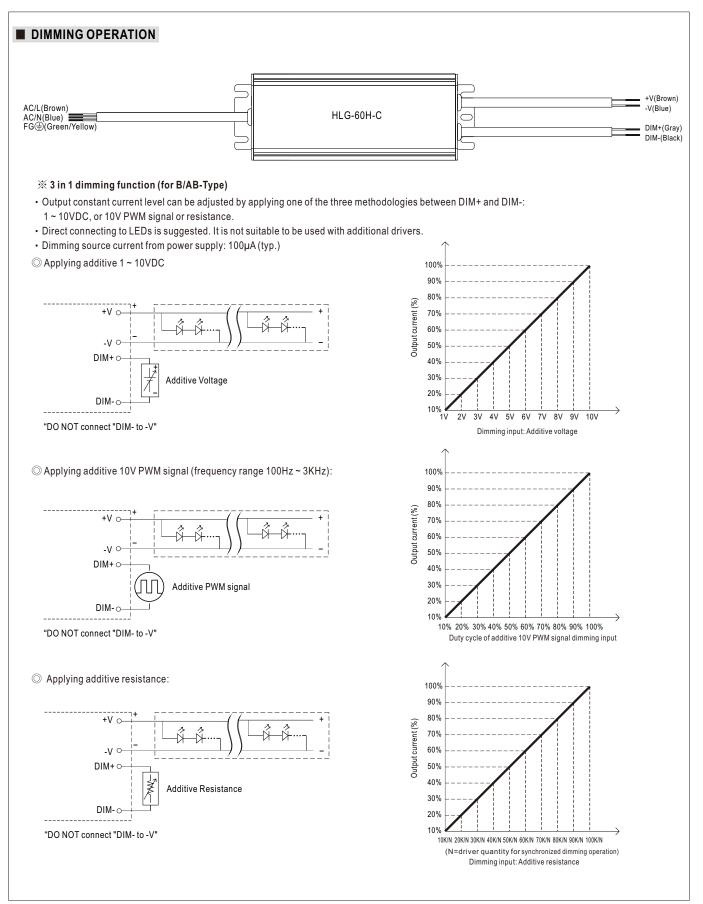


Typical output current normalized by rated current (%)

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.



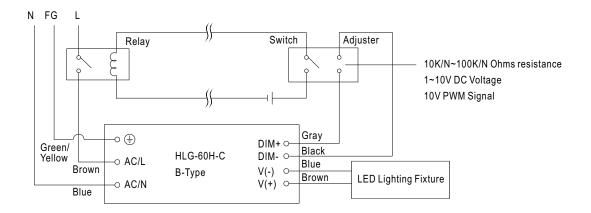




70W Constant Current Mode LED Driver

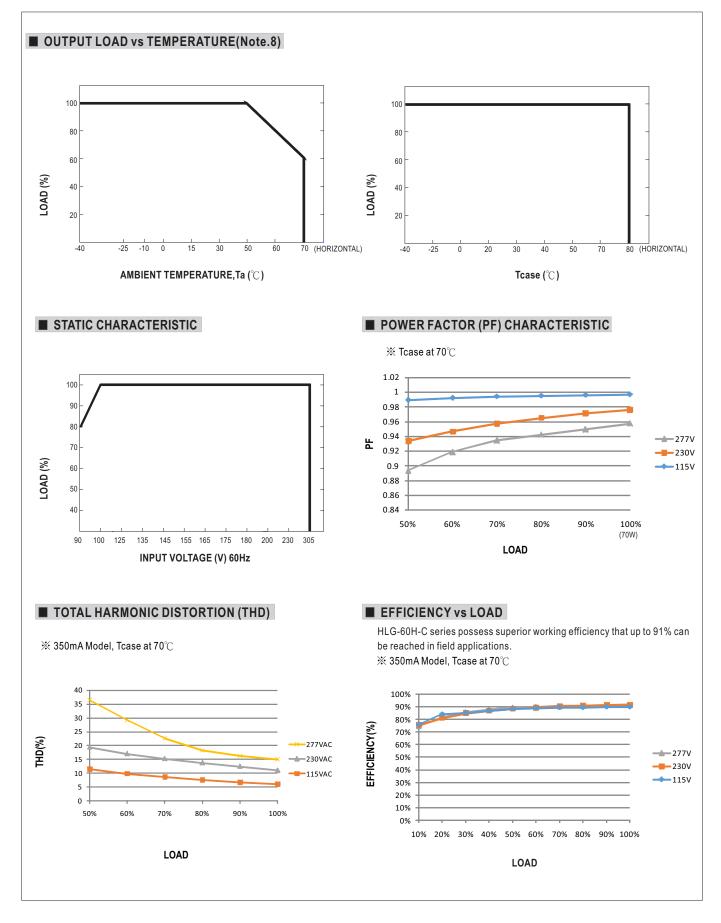
HLG-60H-C series

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.

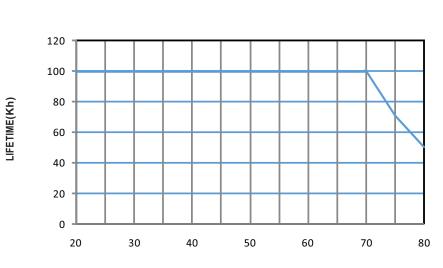






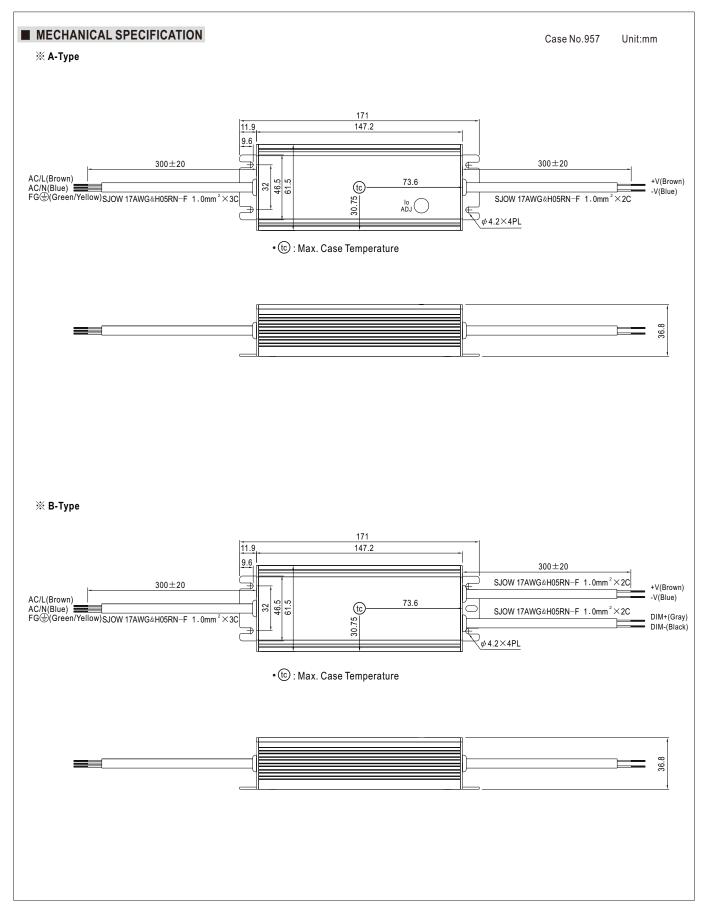
70W Constant Current Mode LED Driver



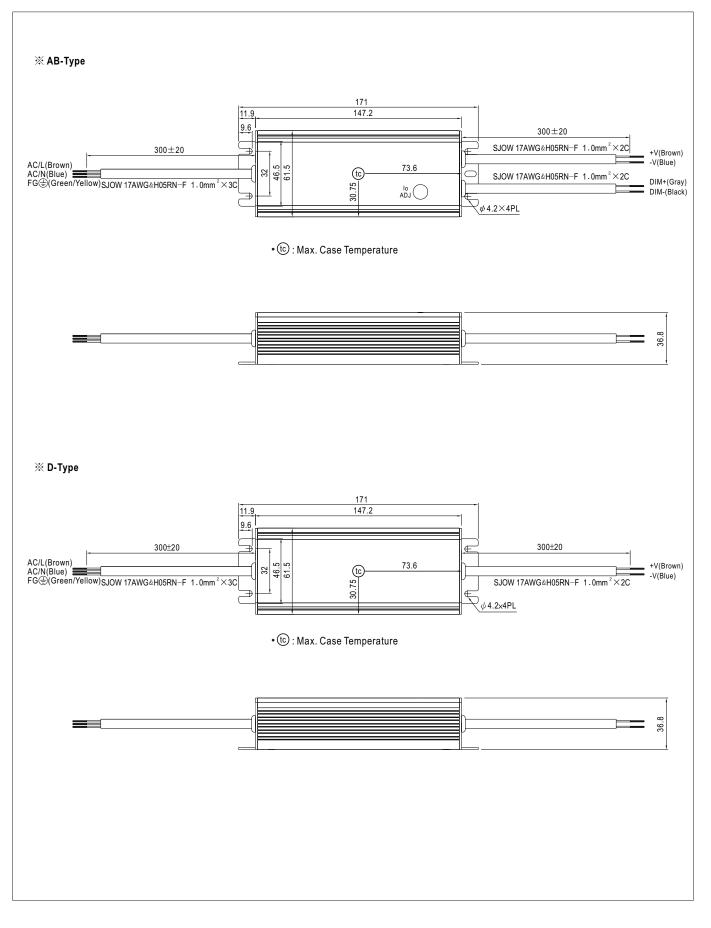










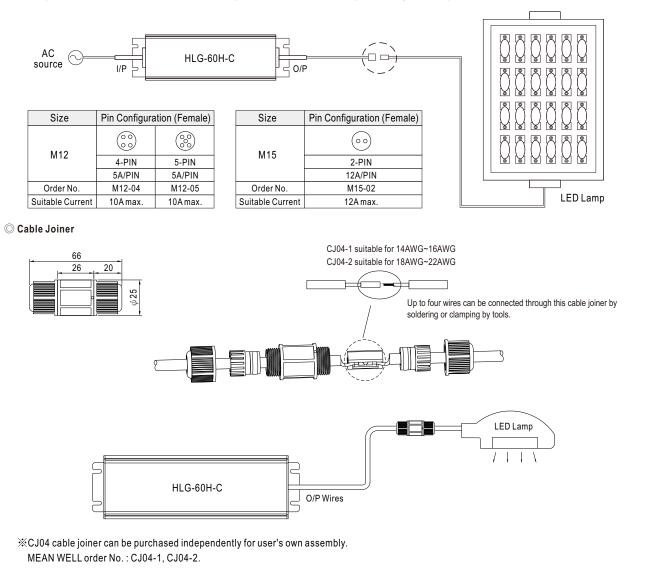




WATERPROOF CONNECTION

◎ 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