





Features

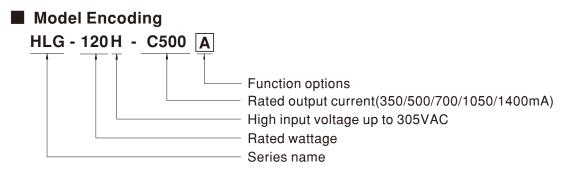
- Constant Current mode output
- · Metal housing with Class I design
- Built-in active PFC function
- IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
 3 in 1 dimming; Timer dimming
- Typical lifetime>62000 hours

Applications

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

Description

HLG-120H-C series is a 150W AC/DC LED driver featuring the constant current mode and high voltage output. HLG-120H-C operates from 90~305VAC and offers models with different rated current ranging between 350mA and 1400mA. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40° C ~ $+90^{\circ}$ 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-120H-C is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



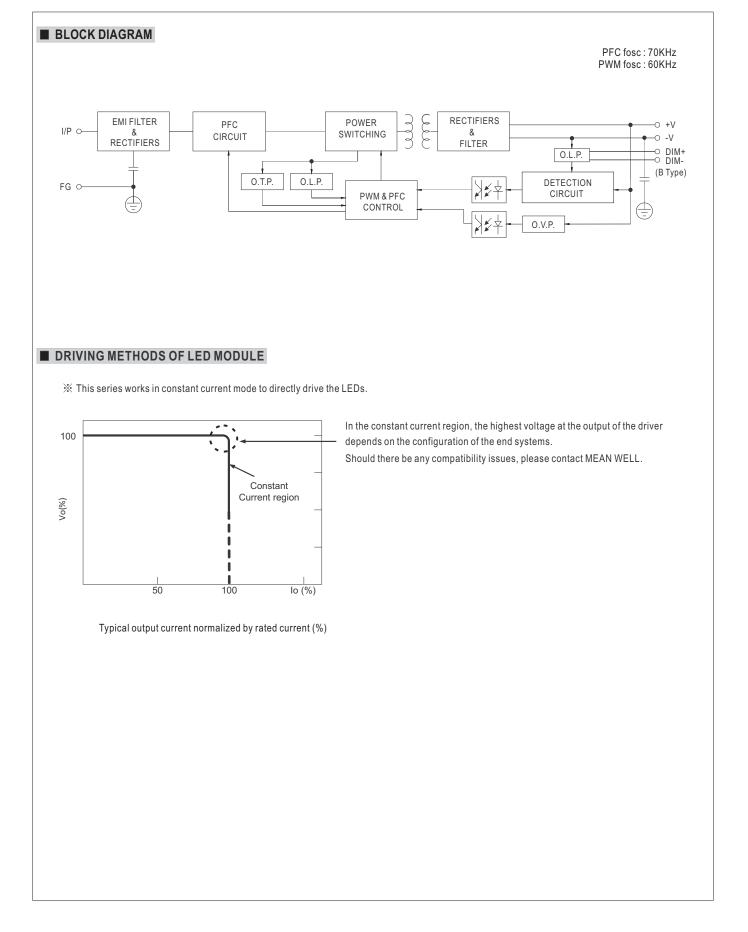
Туре	IP Level	Function	Note
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D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



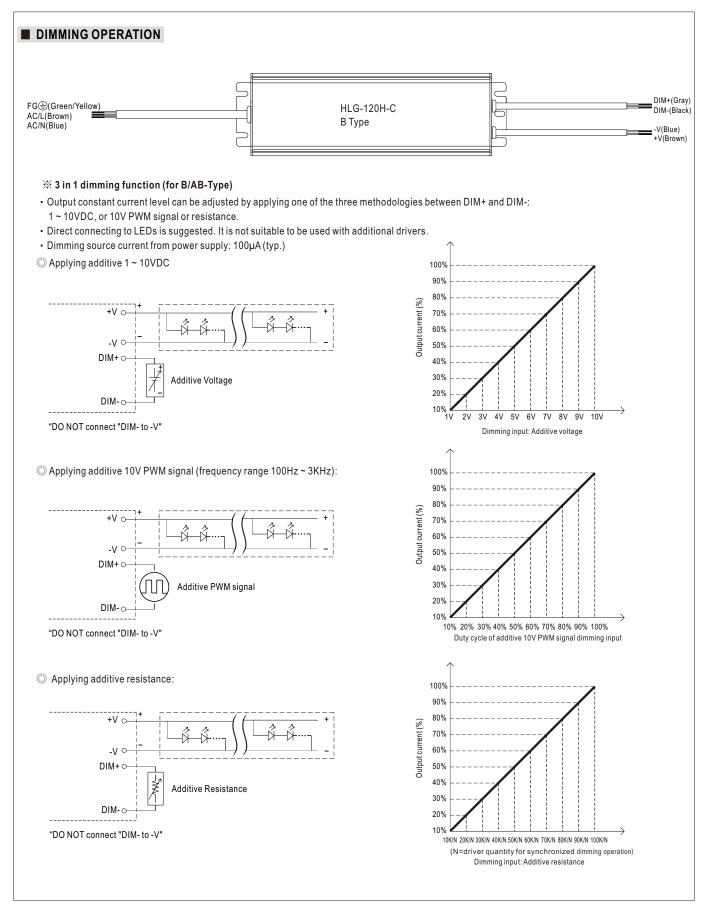
SPECIFICATION

MODEL		HLG-120H-C350	HLG-120H-C500	HLG-120H-C700	HLG-120H-C1050	HLG-120H-C1400		
	RATED CURRENT	350mA	500mA	700mA	1050mA	1400mA		
OUTPUT	RATED POWER	150.5W	150W	150.5W	155.4W	151.2W		
	CONSTANT CURRENT REGION Note.2		150V ~ 300V	107V ~ 215V	74V ~ 148V	54V ~ 108V		
		Adjustable for A/AB-Type						
	CURRENT ADJ. RANGE	175 ~ 350mA	250 ~ 500mA	350 ~ 700mA	525 ~ 1050mA	700 ~ 1400mA		
	CURRENT RIPPLE	8.0% max. @rated curren						
	CURRENT TOLERANCE	±5%						
	SET UP TIME Note.4							
INPUT		90 ~ 305VAC 127 ~ 431VDC						
	VOLTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF≧0.98/115VAC, PF≧0.96/230VAC, PF≧0.93/277VAC @full load						
		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)						
	TOTAL HARMONIC DISTORTION	THD<20% (@ load \geq 50% /115VAC, 230VAC; @ load \geq 75%/277VAC)						
		(Please refer to "TOTAL	1					
	EFFICIENCY (Typ.)	94%	94%	94%	94%	93.5%		
-	AC CURRENT (Typ.)		0.8 A / 230VAC 0.7 A / 277VAC					
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=600,/xs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA/277VAC						
PROTECTION	SHORT CIRCUIT	Constant current limiting,	recovers automatically a	fter fault condition is remo	oved			
	OVER VOLTAGE	475~495V	335 ~ 355V	240~260V	165 ~ 175V	120~130V		
	OVER VOLIAGE	Shut down o/p voltage with auto-recovery or re-power on to recovery						
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down						
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	IP. Tcase=+90℃						
	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 &	SAFETY STANDARDS Note.6	UI 8750 CSA C22 2 No. 250 13-12 EN/AS/NZS 61347-1 EN/AS/NZS 61347-2-13 EN62384 independent GB19510 1 GB19510 14						
	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						
	EMC EMISSION Note.6							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020						
OTHERS	MTBF	652.2K hrs min. Telcordia SR-332 (Bellcore); 191.1K hrs min. MIL-HDBK-217F (25° C)						
	DIMENSION	220*68*38.8mm (L*W*H)						
	PACKING	1.04Kg; 12pcs/13.5Kg/0.8						
NOTE		y mentioned are measured at 230VAC input, rated current and 25° C 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.							
	4. 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.							
	5. 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.							
	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 >62,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 80 °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° / 1000m with fanless models and of 5° / 1000m with fan models for operating altitude higher than 2000m/6500ft)							
	 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) 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							
	https://www.meanweil.com	opload						







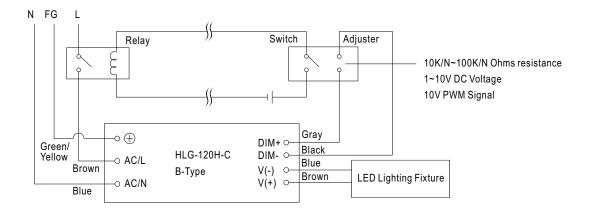




150W Constant Current Mode LED Driver

HLG-120H-C series

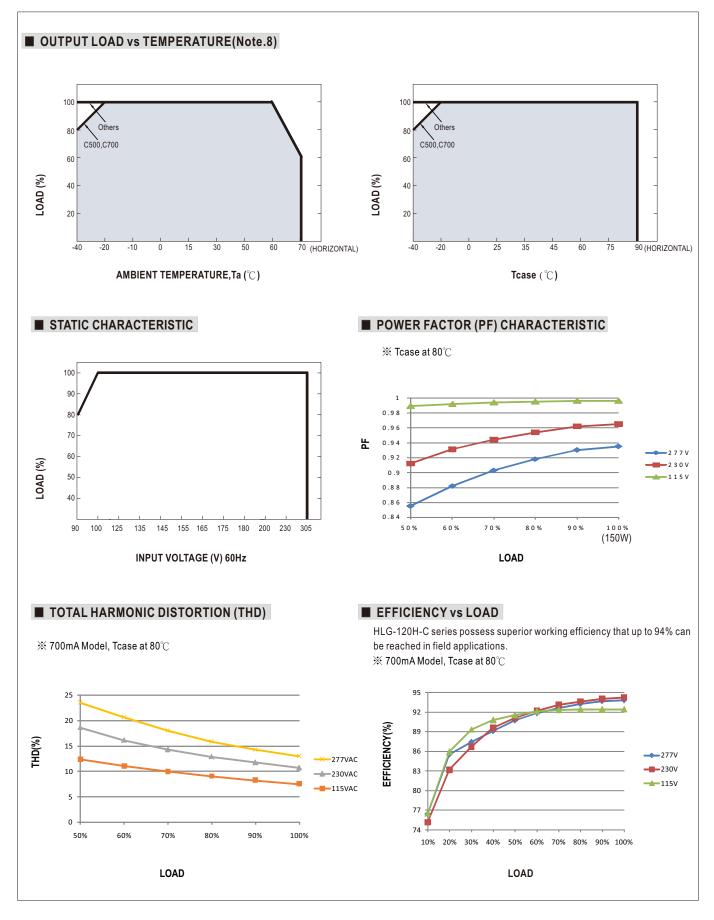
Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



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



150W Constant Current Mode LED Driver

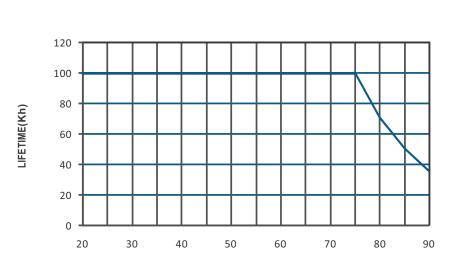




150W Constant Current Mode LED Driver

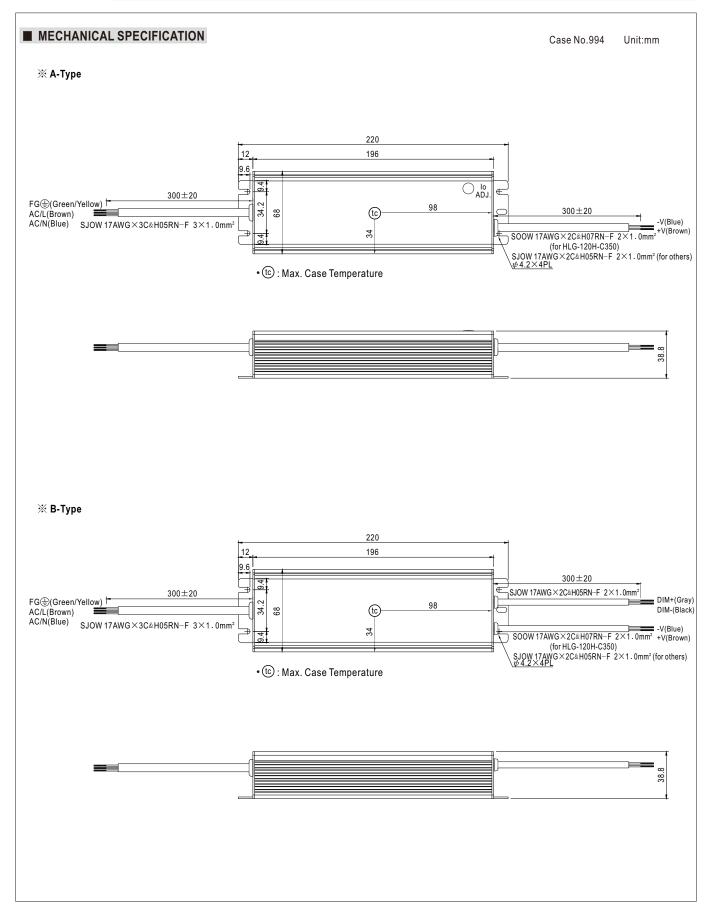
HLG-120H-C series

LIFE TIME

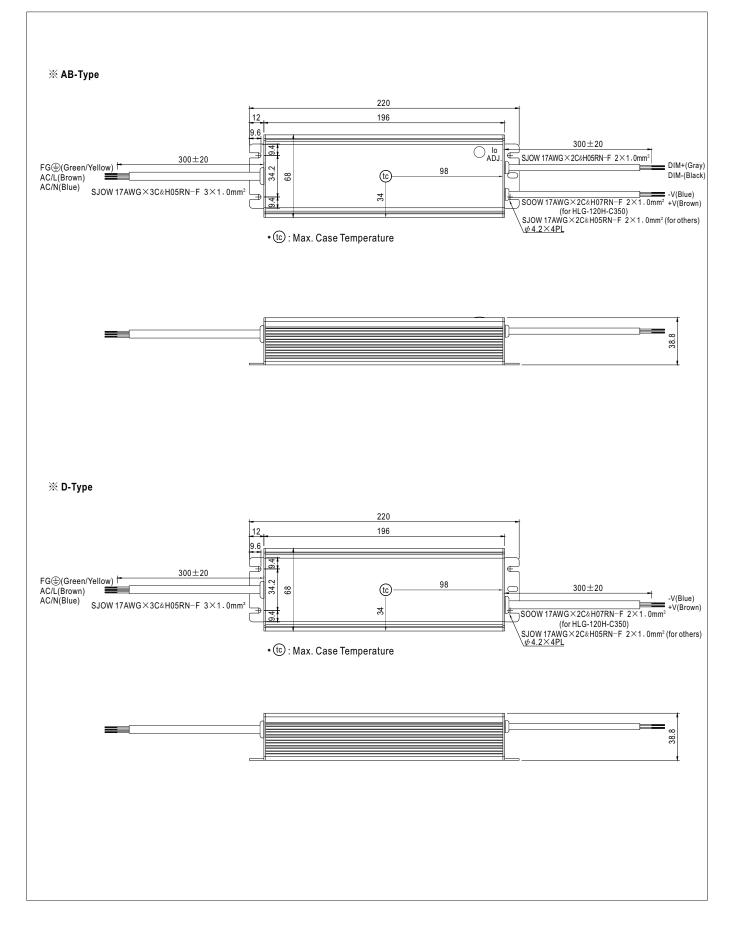










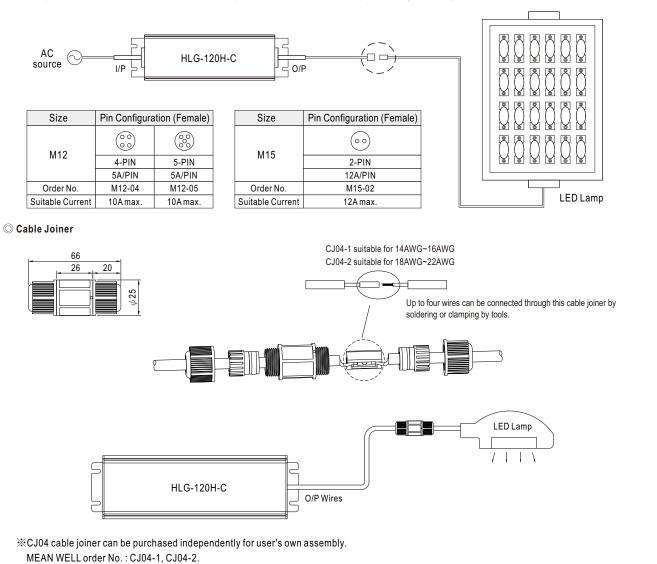




WATERPROOF CONNECTION

◎ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-120H-C to operate in dry/wet/damp or outdoor environment.



INSTALLATION MANUAL

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