





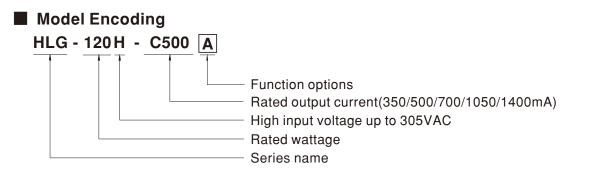


#### Features

- · 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

# 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 $-40^{\circ}$ 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

### LED greenhouse lighting LED bay lighting

LED building architectural lighting

GTIN CODE

Applications

· LED street lighting

· LED harbor lighting

· LED fishing lamp

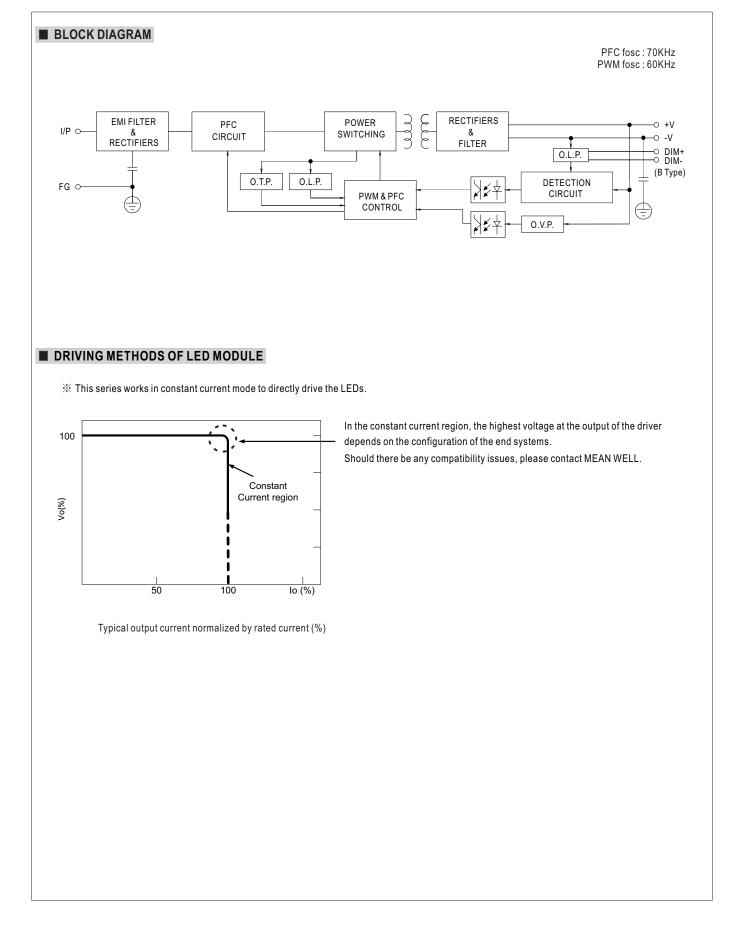
MW Search: <a href="https://www.meanwell.com/serviceGTIN.aspx">https://www.meanwell.com/serviceGTIN.aspx</a>



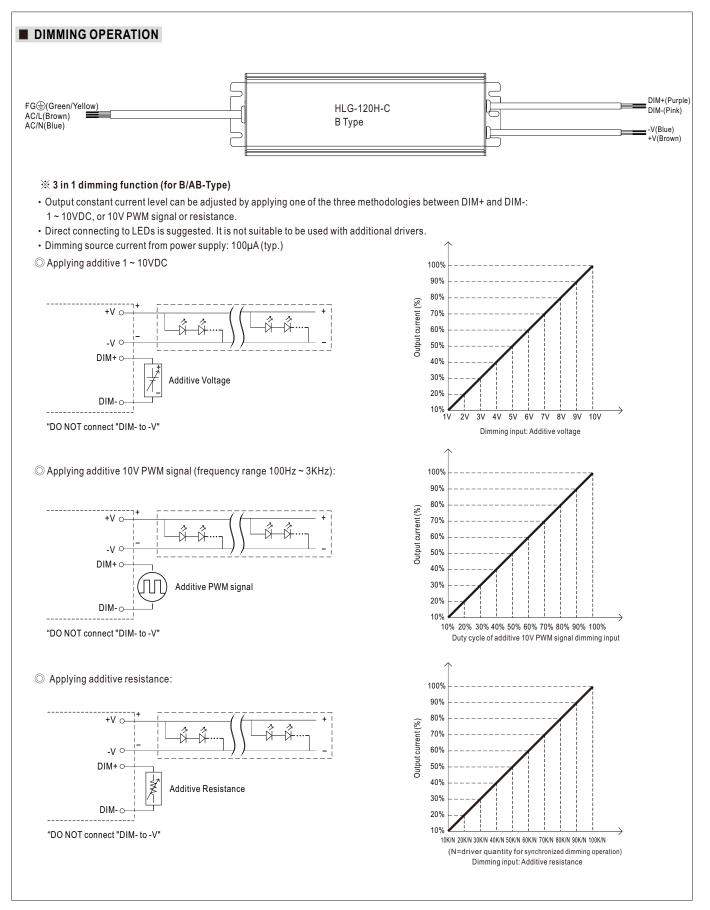
#### SPECIFICATION

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	215~430V	150V ~ 300V	107V ~ 215V	74V ~ 148V	54V ~ 108V		
		Adjustable for A/AB-Type	only (via built-in potentio	meter)				
	CURRENT ADJ. RANGE	175 ~ 350mA	250 ~ 500mA	350 ~ 700mA	525 ~ 1050mA	700 ~ 1400mA		
	CURRENT RIPPLE	8.0% max. @rated current						
	CURRENT TOLERANCE	±5%						
	SET UP TIME Note.4	1000ms / 115VAC 500ms / 230VAC						
INPUT	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC						
	VOLINGE NANGE NOIE.J	(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)						
		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) THD<20% (@ load $\geq$ 50% /115VAC, 230VAC; @ load $\geq$ 75%/277VAC)						
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)						
	EFFICIENCY (Typ.)	94%	94%	94%	94%	93.5%		
	AC CURRENT (Typ.)	1.6A / 115VAC 0.8	A / 230VAC 0.7A	/ 277VAC				
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=600 us measured at 50% lpeak) 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	ved			
		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 Note.7	Shut down o/p voltage, recovers automatically after temperature goes down						
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
ENVIRONMENT	MAX. CASE TEMP.	Tcase=+90°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 & EMC	SAFETY STANDARDS Note.6	UL8750, CSA C22.2 No. 250.13-12, BS EN/EN/AS/NZS 61347-1, BS EN/EN/AS/NZS 61347-2-13, BS EN/EN62384 independent, GB19510.1 GB19510.14, IP65 or IP67, J61347-1, J61347-2-13, EAC TP TC 004 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/F	P-FG:2KVAC O/P-FG:	I.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG	:100M Ohms / 500VDC /	25°C/70% RH				
	EMC EMISSION Note.6	Compliance to BS EN/EN EAC TP TC 020	155015, BS EN/EN61000-	-3-2 Class C (@ load $\geq$ 5	50%) ; BS EN/EN61000-3-3	3,GB/T 17743 , GB17625.		
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020						
OTHERS	MTBF	2456.4K 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/0.8CUFT						
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</li> <li>Please refer to "DRIVING METHODS OF LED MODULE".</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>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>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.</li> <li>For OTP which triggered at light load/no load condition, proceed AC repower on to recovery.</li> <li>This series meets the typical life expectancy of &gt;62,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 80°C or less.</li> <li>Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com</li> <li>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 11. 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</li> <li>Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</li> </ol>							







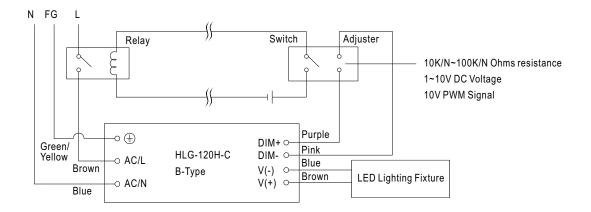




### 150W Constant Current Mode LED Driver

# HLG-120H-C series

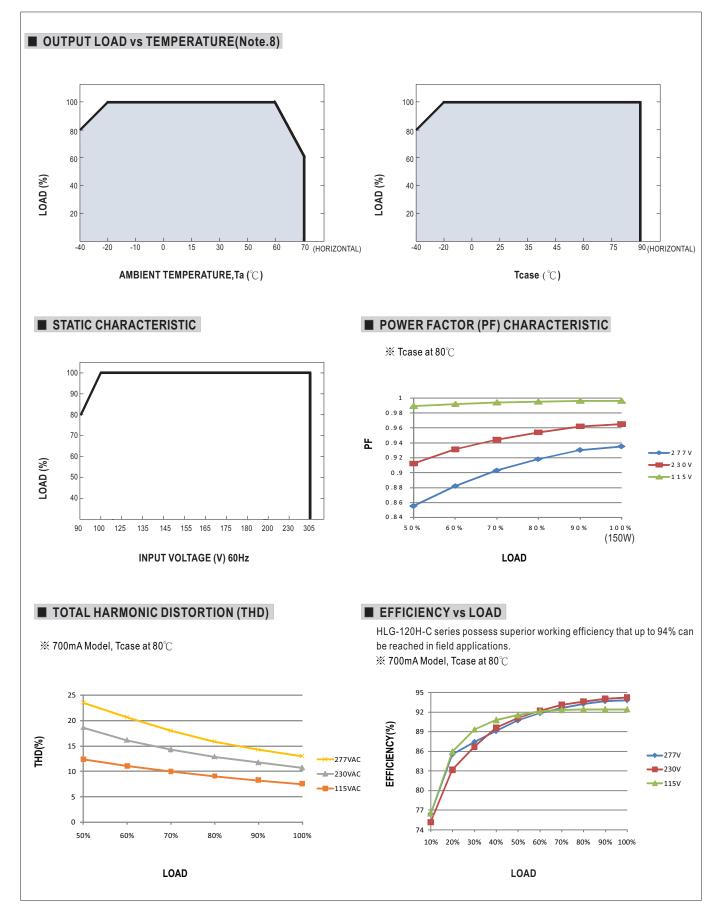
Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



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



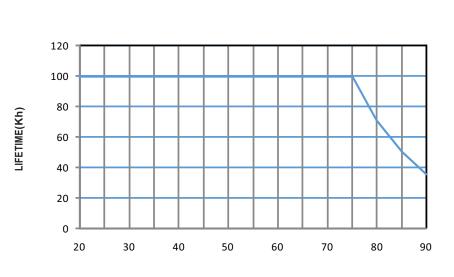
150W Constant Current Mode LED Driver





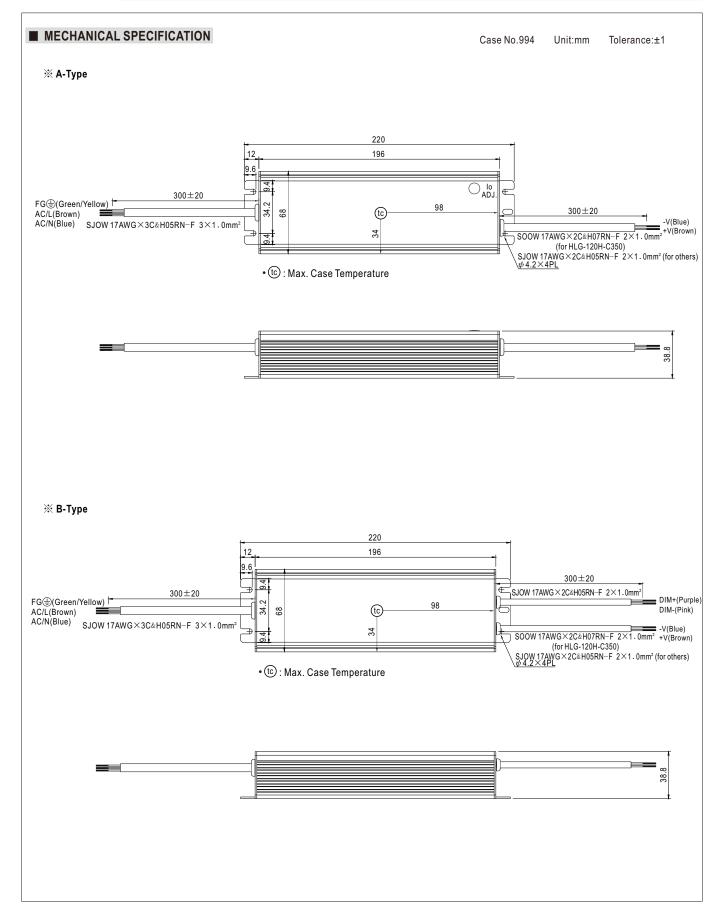
### 150W Constant Current Mode LED Driver



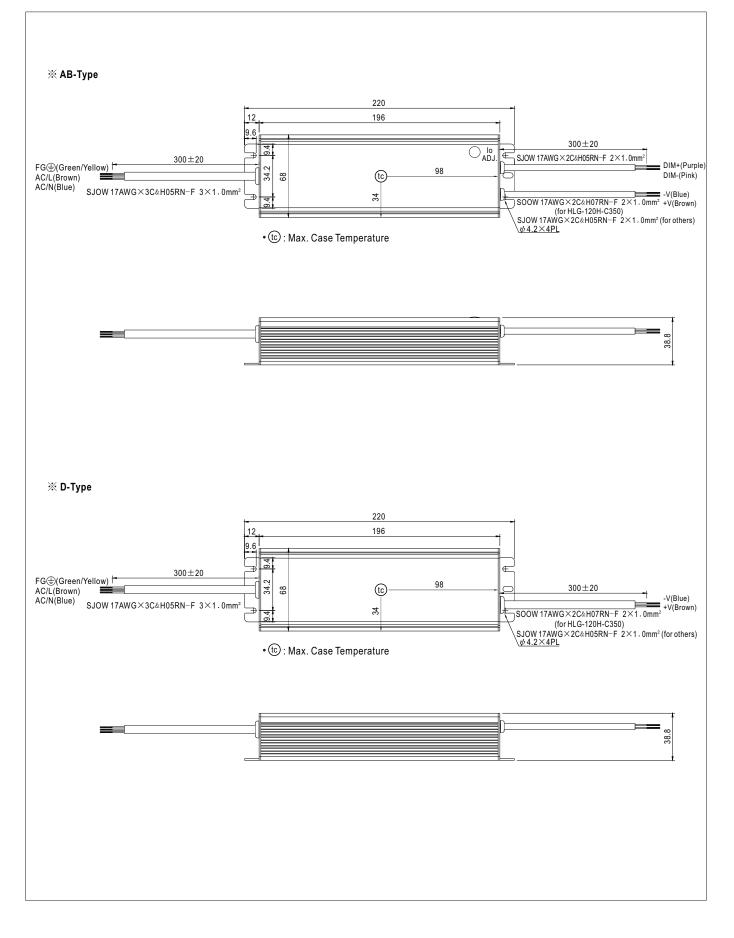










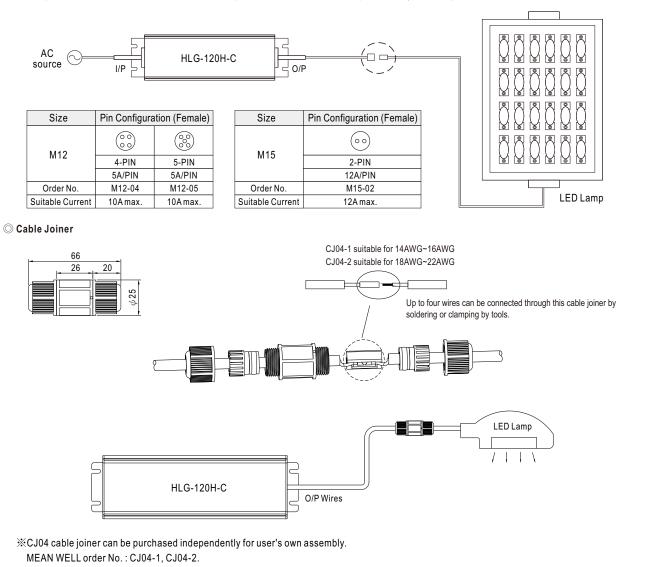




#### WATERPROOF CONNECTION

#### $\ensuremath{\bigcirc}$ 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