

Le immagini del prodotto sono di riferimento

Tutte le indicazioni riportate non sono vincolanti e possono essere soggette a modifiche, anche senza preavviso.









Applications

· LED street lighting

LED fishing lamp

LED high-bay lighting

Parking space lighting

· LED greenhouse lighting

Type "HL" for use in Class I, Division 2

hazardous (Classified) location.

Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- IP67 / IP65 rating 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 series is a 120W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-120H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93.5%, 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-120H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding	
HLG - 120H - 48 A	
	Function options Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V) Rated wattage Series name

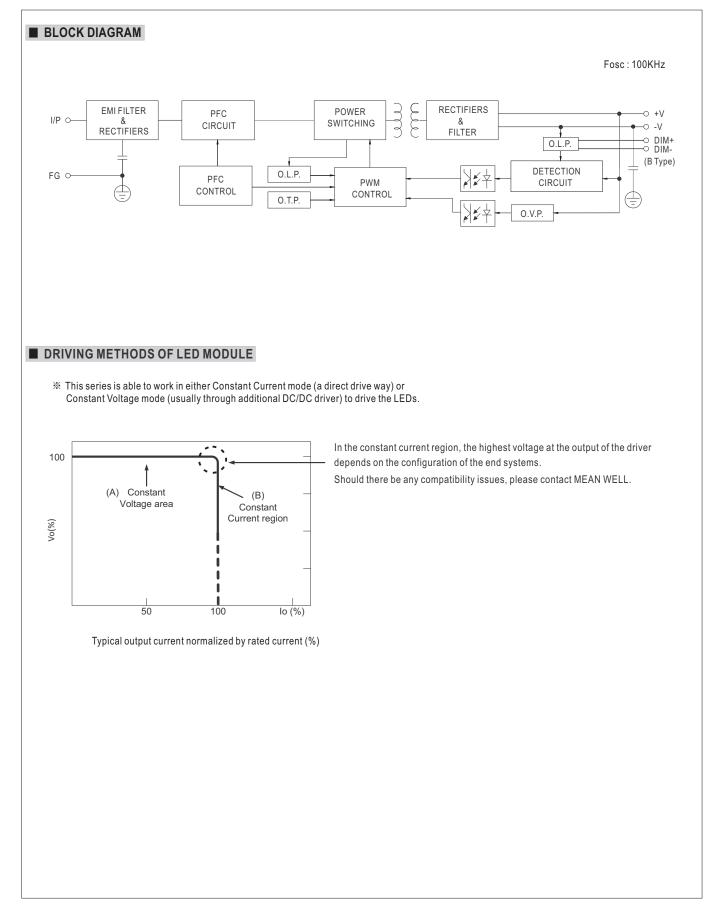
Туре	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc,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



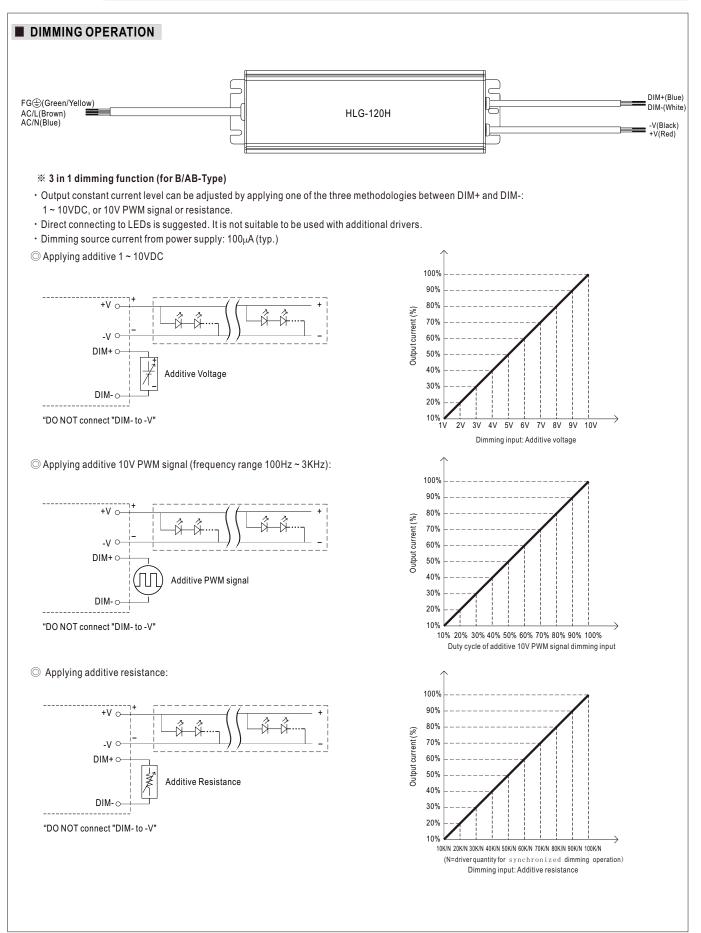
SPECIFICATION

MODEL		HLG-120H-12	HLG-120H-15	HLG-120H-20	HLG-120H-24	HLG-120H-30	HLG-120H-36	HLG-120H-42	HLG-120H-48	HLG-120H-54		
-	DC VOLTAGE	12V	15V	20V	24V	30V		42V	48V	54V		
	CONSTANT CURRENT REGION Note.4		7.5 ~ 15V	10 ~ 20V	12~24V	15~30V	18~36V	21~42V	24 ~ 48V	27 ~ 54V		
	RATED CURRENT	10A	8A	6A	5A	4A	3.4A	2.9A	2.5A	2.3A		
	RATED POWER	120W	120W	120W	120W	120W	122.4W	121.8W	120W	124.2W		
	RIPPLE & NOISE (max.) Note.2		150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p		
	RIFFEL & NOISE (IIIAX.) Note.2			nly (via built-i			200mvp-p	2001110p-p	20011vp-p	200111VP-P		
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V		17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V		
OUTPUT			1	only (via built-i			1		10 001	10 001		
	CURRENT ADJ. RANGE	5~10A	4~8A	3~6A	2.5 ~ 5A	2~4A	1.7 ~ 3.4A	1.4 ~ 2.9A	1.2~2.5A	1.1 ~ 2.3A		
	VOLTAGE TOLERANCE Note.3		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION	±0.5%	±2.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	$\pm 0.5\%$		
		±2.0% ±1.5% ±0.5% <t< td=""></t<>										
	HOLD UP TIME (Typ.)	12ms / 115VAC, 230VAC										
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)										
	FREQUENCY RANGE	47 ~ 63Hz										
	POWER FACTOR (Typ.)			95/230VAC, PF		Ŭ						
				CTOR (PF) CH		,						
	TOTAL HARMONIC DISTORTION		0	/ 115VAC,230			AC)					
				ARMONIC DIS		, ,						
INPUT	EFFICIENCY (Typ.)	92%	92%	93%	93%	93%	93%	93%	93.5%	93.5%		
	AC CURRENT (Typ.)	1.4A / 115VA	C 0.6A/2	230VAC 0	.55A / 277VAC	;						
	INRUSH CURRENT (Typ.)	COLD START 60A(twidth=375µs measured at 50% Ipeak) at 230VAC; Per NEMA 410										
	MAX. No. of PSUs on 16A											
	CIRCUIT BREAKER	5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC										
	LEAKAGE CURRENT	<0.75mA/277VAC										
		95 ~ 108%										
	OVER CURRENT	Constant curi	ent limiting, re	covers automa	atically after fa	ult condition is	removed					
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed										
PROTECTION		14~17V 18~21V 23~27V 28~34V 34~38V 41~46V 47~53V 54~63V 59~65V										
	OVER VOLTAGE	Shut down o/p voltage with auto-recovery or re-power on to recovery										
	OVER TEMPERATURE	Shut down o/p voltage with auto-recovery of re-power on to recovery Shut down o/p voltage, recovers automatically after temperature goes down										
	WORKING TEMP.	Tcase= $-40 \approx +80^{\circ}$ C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)										
	MAX. CASE TEMP.	Tcase= -40 ~ +80 °C										
ENVIRONMENT	STORAGE TEMP., HUMIDITY	20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%/°C (0										
					70							
	VIBRATION			cle, period for		0		0.401.1		4 00 405 40		
	SAFETY STANDARDS Note.8	IP65 or IP67,	J61347-1, J61		ept for B,AB an	,	AS/NZS 61347 IS15885(for 12		,	,		
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75	KVAC I/P-F	G:2KVAC O	/P-FG:1.5KV/	4C						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-F	G, O/P-FG:1	00M Ohms / 50	00VDC/25°C/	70% RH						
	EMC EMISSION Note.8	Compliance to	EN55015, EN5	5032 Class B, E	EN61000-3-2 C	lass C (@ load≧	≧50%) ; EN6100	0-3-3,GB17743	and GB17625.1	, EAC TP TC		
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 0										
	MTBF	559.5K hrs min. Telcordia SR-332 (Bellcore); 167.1Khrs min. MIL-HDBK-217F (25°C)										
OTHERS	DIMENSION	220*68*38.8mm (L*W*H)										
	PACKING	1.12Kg; 12pc	s/14.4Kg/0.8C	UFT								
NOTE	1. All parameters NOT special	y mentioned a	re measured a	at 230VAC inp	out, rated curre	ent and $25^{\circ}C_{\circ}$	of ambient tem	perature.				
	2. Ripple & noise are measure			•	•	e terminated w	ith a 0.1uf & 4	7uf parallel ca	pacitor.			
	3. Tolerance : includes set up tolerance, line regulation and load regulation.											
		. 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.										
			-									
	6. Length of set up time is mea			-	-				he affected b	v the		
	7. 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.											
	· ·	complete installation, the final equipment manufacturers must re-quality EMC Directive on the complete installation again. B. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently										
	8. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used benind a switch without permanently connected to the mains.											
		Connected to the mains. θ . 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.										
		warranty statement on MEAN WELL's website at http://www.meanwell.com										
		prature derating of 3.5° C/1000m with fanless models and of 5° C/1000m with fan models for operating altitude higher than 2000m(6500ft										
		and IP water proof function installation caution, please refer our user manual before using.										
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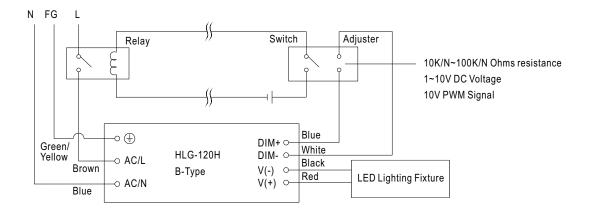






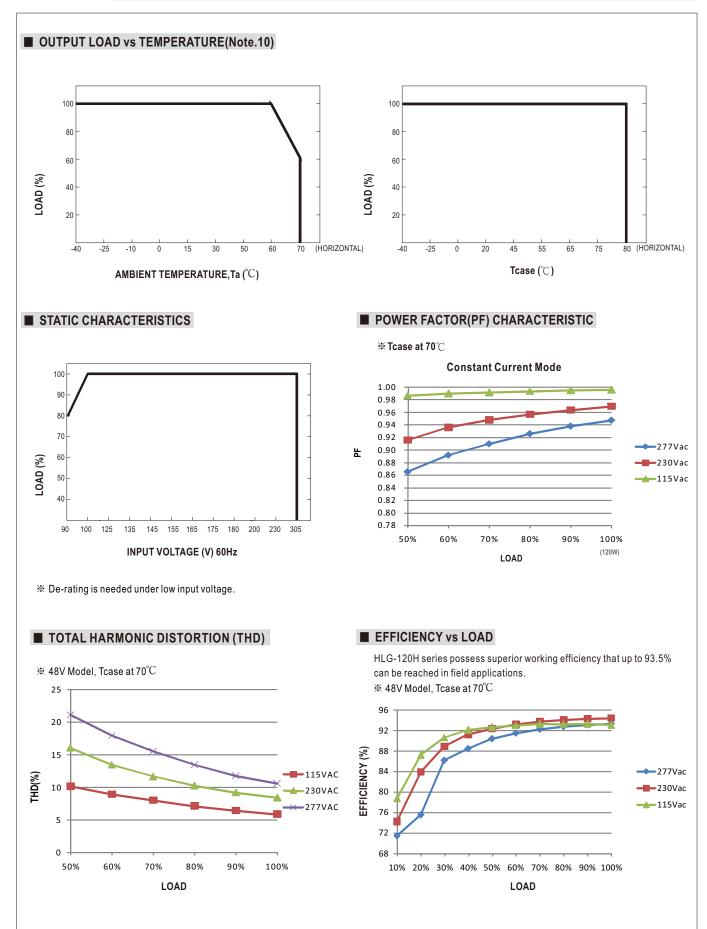
HLG-120H series

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.

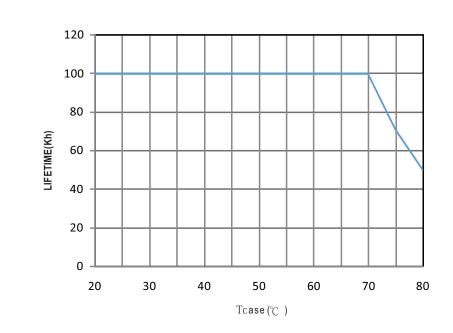




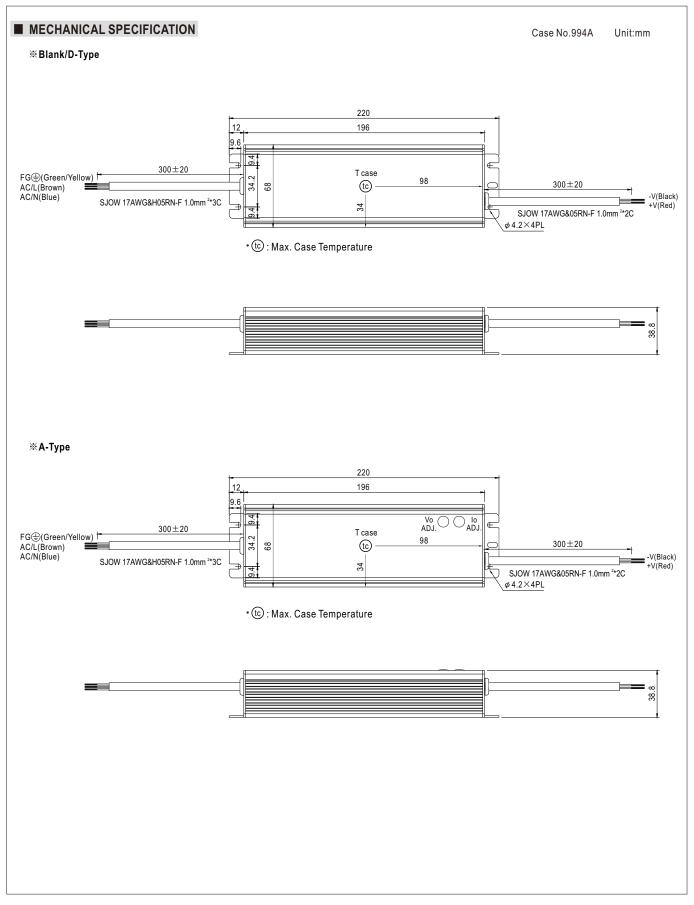


HLG-120H series

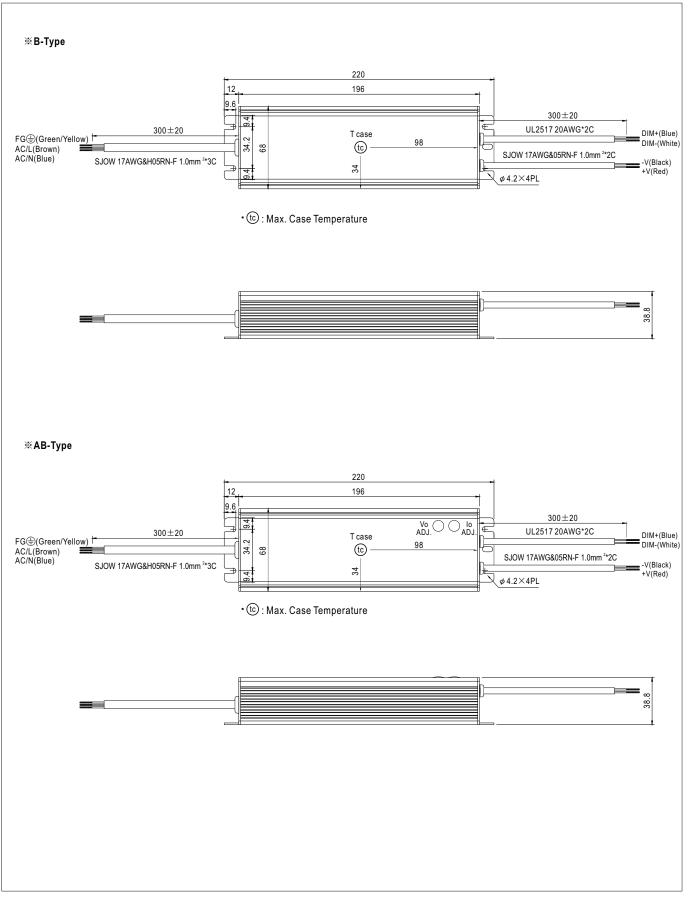
LIFE TIME













WATERPROOF CONNECTION

*** Waterproof connector**

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

