

Наличие и актуальные цены на

# HLG-320H-15B

https://www.meanwell.ru/store/HLG-320H-15B/



# HLG-320H series



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#### 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
- Typical lifetime > 62000 hours
- 7 years warranty

### Applications

- · LED street lighting
- LED high-bay lighting
- · Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

#### Description

HLG-320H series is a 320W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-320H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. 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-320H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

### Model Encoding



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	lo 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 adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
С		Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.	By request
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

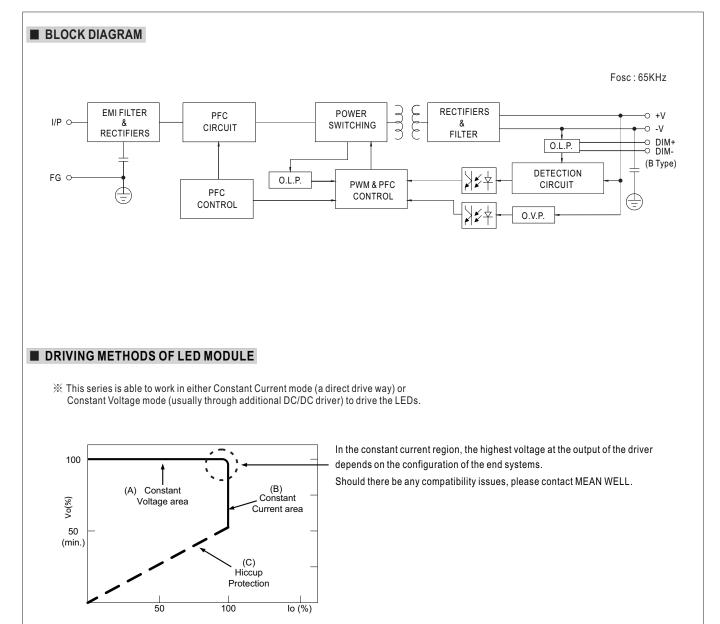


#### SPECIFICATION

MODEL		HLG-320H-12	HLG-320H-15	HLG-320H-20	HLG-320H-24	HLG-320H-30	HLG-320H-36	HLG-320H-42	HLG-320H-48	HLG-320H-54	
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V	
OUTPUT	CONSTANT CURRENT REGION Note.4	6~12V	7.5 ~ 15V	10~20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24~48V	27 ~ 54V	
	RATED CURRENT	22A	19A	15A	13.34A	10.7A	8.9A	7.65A	6.7A	5.95A	
	RATED POWER	264W	285W	300W	320.16W	321W	320.4W	321.3W	321.6W	321.3W	
	RIPPLE & NOISE (max.) Note.2		150mVp-p	150mVp-p	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p	
							2001110-0	200mvp-p	230mvp-p	990111Ab-b	
	VOLTAGE ADJ. RANGE	Adjustable for A/C-Type only (via built-in potentiometer)           10.8 ~ 13.5V         13.5 ~ 17V         17 ~ 22V         21 ~ 26V         26 ~ 32V         32 ~ 39V         38 ~ 45V         43 ~ 52V         49 ~ 58V									
	CURRENT ADJ. RANGE		r A/AB/C-Type		· ·	, <i>'</i>	1	1	1	1	
		11 ~ 22A	9.5 ~ 19A	7.5 ~ 15A	6.67 ~ 13.34A	5.35 ~ 10.7A	4.45~8.9A	3.8~7.65A	3.35~6.7A	2.97 ~ 5.954	
	VOLTAGE TOLERANCE Note.3	$\pm 3.0\%$	±2.0%	$\pm 1.5\%$	±1.0%	±1.0%	$\pm 1.0\%$	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	$\pm 0.5\%$	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME Note.6	2500ms 80m	s/115VAC 6	00ms 80ms/2	30VAC	1	1	1	1		
	HOLD UP TIME (Typ.)	2 2500ms,80ms/115VAC 600ms,80ms/230VAC									
		15ms / 115VAC, 230VAC									
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)									
	FREQUENCY RANGE	47 ~ 63Hz									
		PF≧0.98/115	SVAC, PF≧0.9	5/230VAC, PF	≥0.94/277VA0	C @ full load					
	POWER FACTOR (Typ.)		to "POWER FA			0					
			@ load≧50%	. ,		,	C)				
INPUT	TOTAL HARMONIC DISTORTION		w load ≥ 50% f r to "TOTAL HA				<b>U</b>				
					· · ·	, ,	04 50/	050/	059/	0.50/	
	EFFICIENCY (Typ.) (230Vac)	91%	92.5%	93.5%	94%	94%	94.5%	95%	95%	95%	
	EFFICIENCY (Typ.) (277Vac)	91.5%	93%	94%	94.5%	94.5%	95%	95%	95%	95%	
	AC CURRENT (Typ.)	3.5A / 115VA	C 1.65A/	230VAC	1.45A / 277VAC	)					
	INRUSH CURRENT(Typ.)	COLD START	70A(twidth=101	0µs measured	at 50% Ipeak) at	230VAC; Per N	IEMA 410				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	1 unit (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC									
	LEAKAGE CURRENT	<0.75mA/27	7VAC								
PROTECTION											
	OVER CURRENT Note.4	95~108%									
		Constant current limiting, recovers automatically after fault condition is removed									
	SHORT CIRCUIT		recovers auto			1					
		14 ~ 17V	17.5~21V	22.5 ~ 27V	27 ~ 33V	33 ~ 37V	40 ~ 46V	46.5~53V	53.5~60V	59~65V	
	OVER VOLTAGE	Shut down an	d latch off o/p	/oltage, re-pow	ver on to recove	er					
	OVER TEMPERATURE	Shut down an	d latch off o/p	/oltage, re-pow	ver on to recove	er					
	WORKING TEMP.	Shut down and latch off o/p voltage, re-power on to recover Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)									
ENVIRONMENT		Tcase= +90°									
	WORKING HUMIDITY	20 ~ 95% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)									
	VIBRATION	10~500Hz, 5	G 12min./1cyc	le, period for 7	72min. each ald	ong X, Y, Z axe	s				
SAFETY &	SAFETY STANDARDS	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), 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; IP65 or IP67 (except for HLG-320H C-type); J61347-1, J61347-2-13 (except for B,AB,C and D-type), EAC TP TC 004;KC61347-1,KC61347-2-13(except for AB,C-type), BIS IS 15885(Part2/Sec13) (NOTE 13) approved									
	WITHSTAND VOLTAGE	I/P-O/P:3.75	KVAC I/P-F	G:2KVAC O	P-FG:1.5KVA	С					
	ISOLATION RESISTANCE		G, O/P-FG:10								
EMC	EMC EMISSION	Compliance to	o BS EN/EN55	015, BS EN/EN	155032 (CISPR	(32) Class B, B	S EN/EN6100	0-3-2 Class C	(@ load≧50%	);	
	EMC IMMUNITY	BS EN/EN61000-3-3,GB/T 17743 , GB17625.1,EAC TP TC 020           Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, BS EN/EN55024, light industry level (surge immur							inity		
OTHERS	MTBF	Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020           1702.2K hrs min.         Telcordia SR-332 (Bellcore); 157.2K hrs min.         MIL-HDBK-217F (25°C)									
	DIMENSION	252*90*43.8r	nm (L*W*H)								
	PACKING		/16Kg/0.92CUF	T							
NOTE	<ol> <li>All parameters NOT specially</li> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up to</li> <li>Please refer to "DRIVING M</li> <li>De-rating may be needed ur</li> <li>Length of set up time is meas</li> <li>The driver is considered as a complete installation, the fina (as available on https://www.</li> <li>To fulfill requirements of the l connected to the mains.</li> <li>This series meets the typical</li> <li>Please refer to the warranty</li> <li>The ambient temperature d</li> <li>For any application note an https://www.meanwell.com/</li> </ol>	der low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. sured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. component that will be operated in combination with final equipment. Since EMC performance will be affected by the l equipment manufacturers must re-qualify EMC Directive on the complete installation again. neanwell.com//Upload/PDF/EMI_statement_en.pdf) atest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently life expectancy of >62,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75°C or less. statement on MEAN WELL's website at http://www.meanwell.com. arating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) d IP water proof function installation caution, please refer our user manual before using.									
	<ul> <li>more information.</li> <li>14. For A/AB type need to cons</li> <li>% Product Liability Disclaimer</li> </ul>	sider build in u	sing to comply	with Type HL	application.				ame:HLG-320H-SI		



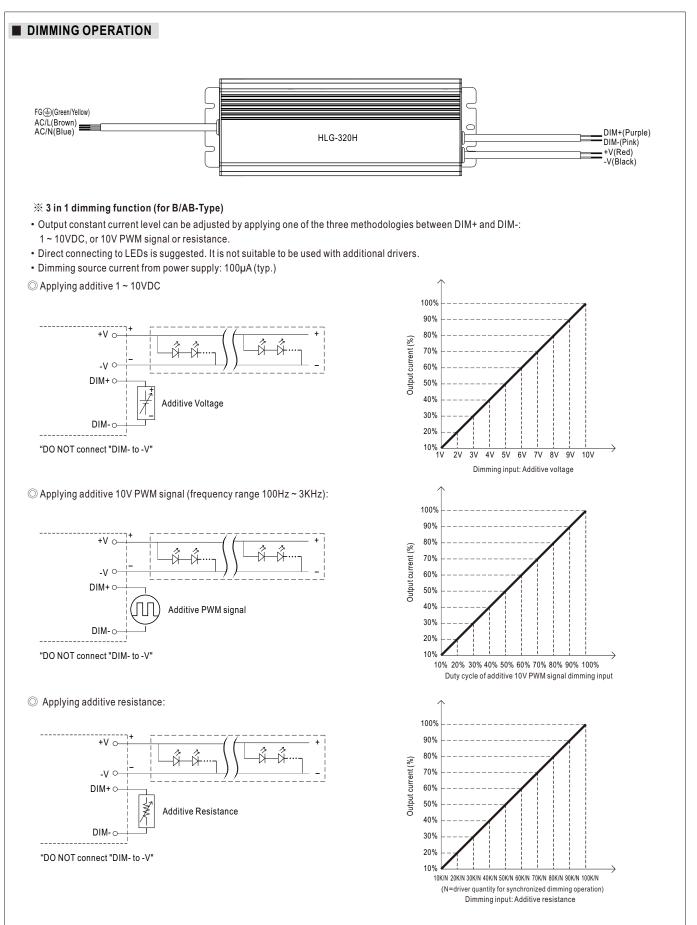
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Typical output current normalized by rated current (%)



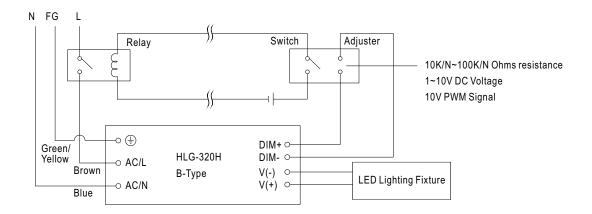
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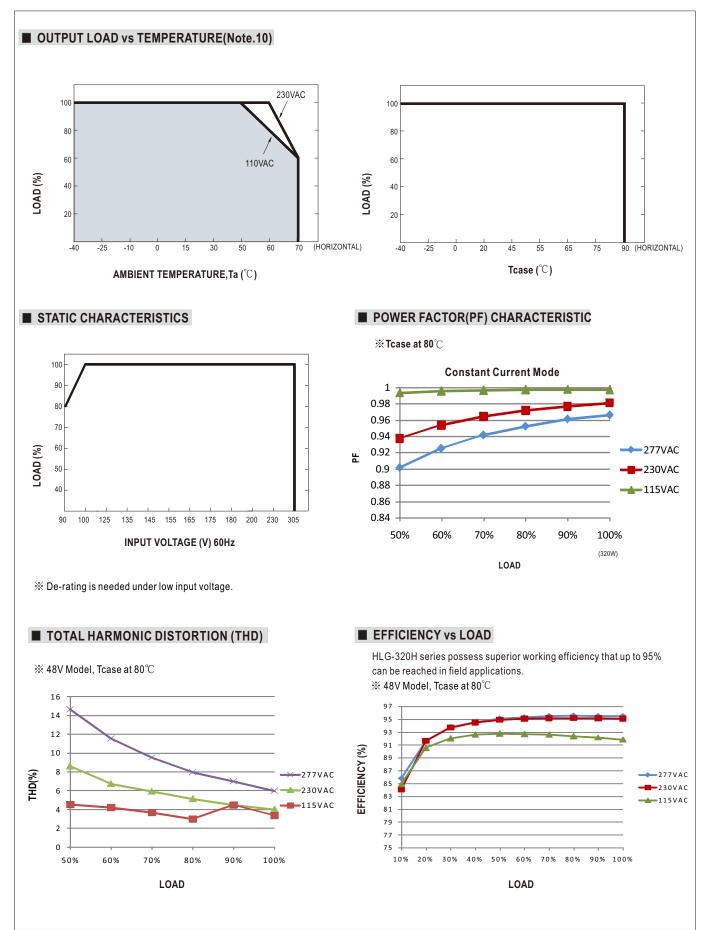
Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



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



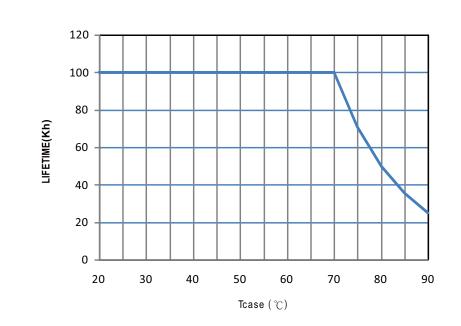
HLG-320H series





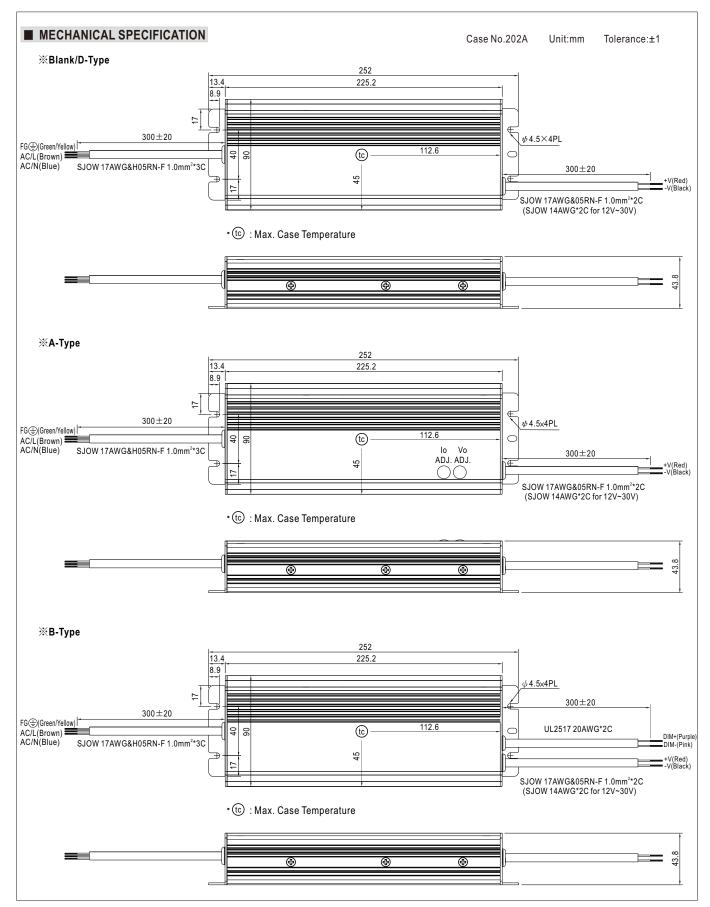
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### ■ LIFETIME





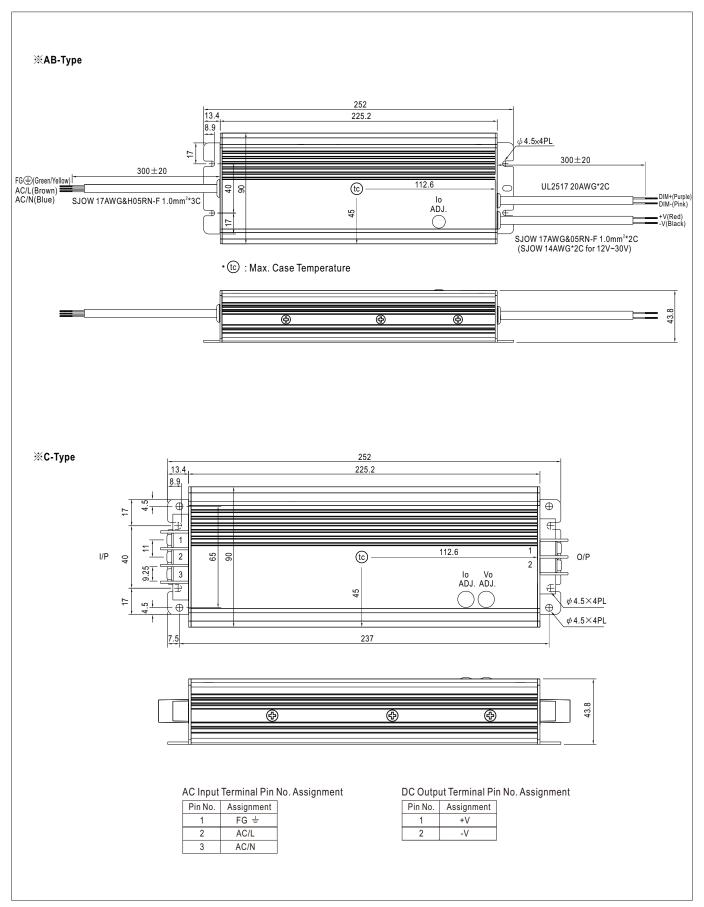
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File Name:HLG-320H-SPEC 2024-10-11



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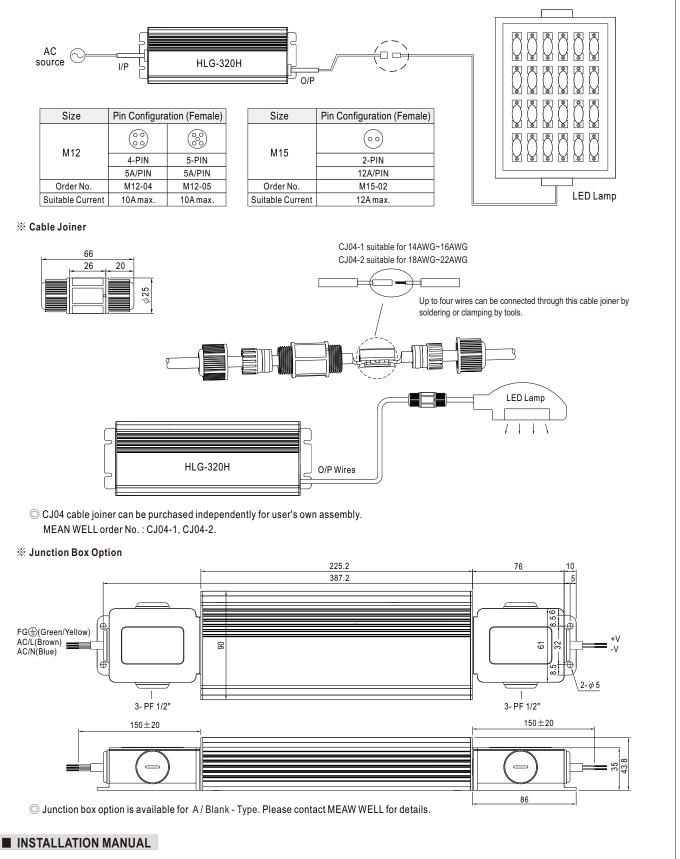


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#### WATERPROOF CONNECTION

#### $\divideontimes {\rm Waterproof\, connector}$

Waterproof connector can be assembled on the output cable of HLG-320H to operate in dry/wet/damp or outdoor environment.



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