

Наличие и актуальные цены на

HLG-320H-30A

https://www.meanwell.ru/store/HLG-320H-30A/



HLG-320H series









Applications

· LED street lighting

LED fishing lamp

GTIN CODE

LED high-bay lighting

· Parking space lighting

LED greenhouse lighting

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

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

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
- Typical lifetime > 62000 hours
- 7 years warranty

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° 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.

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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	Io and Vo fixed	In Stock
А	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

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



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									
		121/	15\/	201/	241/	30\/	361/	121/	18\/	541/									
		12 V		200	240	307	10 201/	42 0	401	07 541									
-	CONSTANT CURRENT REGION Note.4	6~12V	7.5~15V	10~200	12~24V	15~300	18~36V	21~420	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	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p									
		Adjustable fo	r A/C-Type onl	ly (via built-in j	ootentiometer))													
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	21~26V	26~32V	32 ~ 39V	38 ~ 45V	43~52V	49~58V									
OUTPUT		10.0 + 10.0 + 11.0 + 11.0 + 11.0 + 11.0 + 22.0 + 22.0 + 22.0 + 32.0 + 32.0 + 30.0 + 43.0 + 43.0 + 43.0 + 43.0 + 32.0 + 43.0 + 32.0																	
	CURRENT ADJ. RANGE																		
		11~2ZA	9.5 ~ 19A	7.5~15A	0.07 ~ 13.34A	5.35~10.7A	4.45 ~ 8.9A	3.8~7.00A	3.30~0.7A	2.97 ~ 5.95A									
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.5%	±1.0%	± 1.0%	±1.0%	±1.0%	±1.0%	±1.0%									
	LINE REGULATION	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	±0.5%	$\pm 0.5\%$	±0.5%	$\pm 0.5\%$	$\pm 0.5\%$									
	LOAD REGULATION	±2.0%	$\pm 1.5\%$	±1.0%	$\pm 0.5\%$	±0.5%	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$									
	SETUP, RISE TIME Note.6	2500ms,80m	s/115VAC 6	600ms,80ms/2	30VAC														
	HOLD UP TIME (Typ.)	15ms / 115VA	C. 230VAC																
		00 ~ 305VAC 127 ~ / 31V/DC																	
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)																	
	FREQUENCY RANGE	47 ~ 63Hz																	
	POWER FACTOR (Typ.)	PF≧0.98/115VAC, PF≧0.95/230VAC, PF≧0.94/277VAC @ full load																	
	i onennar (ijp.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)																	
		THD< 20% ((@load≧50%	/ 115VAC,230	VAC; @load≧	≧75% / 277VA	C)												
	TOTAL HARMONIC DISTORTION	(Please refer	to "TOTAL HA	ARMONIC DIS	TORTION (TH	D)" section)	,												
INPUT	EFEICIENCY (Typ.) (230Vac)	91%	92.5%	93.5%	94%	94%	94 5%	95%	95%	95%									
		91/0	92.3 /0	93.370	94 /0	04 F0/	94.5%	95%	95%	9576									
	EFFICIENCY (Typ.) (2//Vac)	91.0%	93%	94%	94.5%	94.0%	95%	90%	90%	95%									
	AC CURRENT (Typ.)	3.5A / 115VA0	C 1.65A/	230VAC	1.45A/277VAC	;													
	INRUSH CURRENT(Typ.)	(Typ.) COLD START 70A(twidth=1010µs measured at 50% Ipeak) at 230VAC; Per NEMA 410																	
	MAX. No. of PSUs on 16A	1	hun alkan af hun a																
	CIRCUIT BREAKER	1 unit (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC																	
	LEAKAGE CURRENT	<0.75mA/277VAC																	
		00. 4000/																	
	OVER CURRENT Note.4	50 - 100 /0																	
		Constant curr	ent limiting, ree	covers automa	lically after fau		emoved												
PROTECTION	SHORT CIRCUIT	Hiccup mode,	recovers auto	matically after	fault condition	is removed													
		14 ~ 17V	17.5 ~ 21V	22.5 ~ 27V	27 ~ 33V	33 ~ 37V	40 ~ 46V	46.5 ~ 53V	53.5~60V	59 ~ 65V									
	OVER VOEIAGE	Shut down an	d latch off o/p	voltage, re-pov	er on to recove	ər													
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover																	
	WORKING TEMP	CALC TCase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURF" section)																	
		Tcase= +90°C																	
	WAX. CASE TEMP. 10456-150 C																		
ENVIRONMENT																			
	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	2min. each ald	ong X, Y, Z axe	6												
	SAFETY STANDARDS	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																		
SAFETY &																			
EMC	ISULATION RESISTANCE	1/P-0/P, 1/P-F	·G, U/P-FG:10	JUM Ohms / 50		/ U% KH	0			,									
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class C (@ load≧50%) ; BS EN/EN61000-3-3,GB/T 17743 , GB17625.1,EAC TP TC 020																	
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, BS EN/EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020																	
OTHERS	MTBF	1702.2K hrs n	nin. Telcord	ia SR-332 (Bel	lcore); 157.2	Khrsmin. N	IL-HDBK-217F	= (25°C)											
	DIMENSION	252*90*43.8n	nm (L*W*H)																
	PACKING	1.88Kg; 8pcs/	16Kg/0.92CUF	T															
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 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. 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. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf) 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. 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(6500f 12. 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 BIS certification is for HLG-320H-A only, but products sourced from Taiwan do not have the BIS logo, please contact your MEAN WELL sales for more information. For A/AB type need to consider build																		
	* Product Liability Disclaimer	: For detailed i	nformation. ple	ease refer to h	ttps://www.mea	anwell.com/ser	viceDisclaimer	.aspx File Na	14. For A/AB type need to consider build in using to comply with Type HL application.										



HLG-320H series



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.



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■ LIFETIME





HLG-320H series



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HLG-320H series





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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