

320W Constant Voltage + Constant Current LED Driver

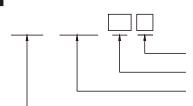
_HLG-320H series

Buy website address: https://reissopto-led.com/products/meanwell-hlg-320h-24a-single-output-led-lamp-power-supplies



current output. HLG-320H operates from $90 \sim 305$ VAC 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 $\sim +90$ °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.



	Ι	
	I	
В		
	Ι	
6		
D		



Name:HLG-320

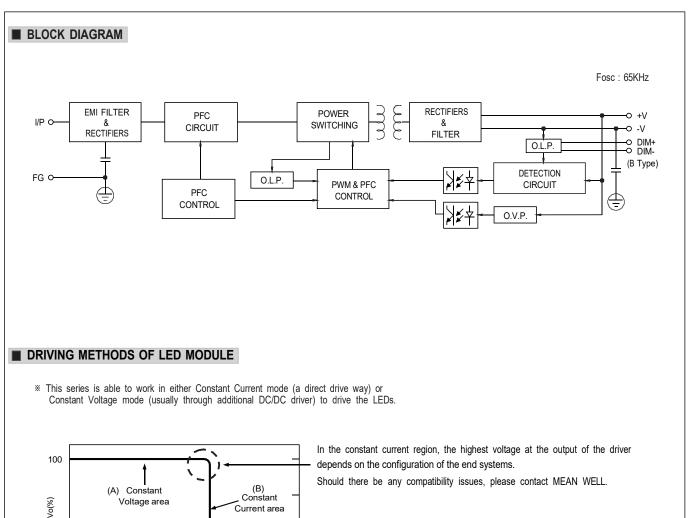
ile

SPECIFICATION

		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	
	CONSTANT CURRENT REGION Note.4	6 ~12V	7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V	
OUTPUT	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	
	VOLTAGE ADJ. RANGE	Adjustable for	A/C-Type only	/ v (via built-in p	otentiometer)						
		10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	21 ~ 26V	26 ~ 32V	32 ~ 39V	38 ~ 45V	43 ~ 52V	49 ~ 58V	
					in potentiometer						
	CUDDENT AD I DANCE	11 ~ 22A	9.5 ~ 19A	7.5 ~ 15A	6.67 ~ 13.34A	í	4.45 ~ 8.9A	3.8 ~ 7.65A	3.35 ~ 6.7A	2.97 ~ 5.95	
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
		±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%	
	HOLD UP TIME (Typ.)										
		15ms / 115VAC, 230VAC 90 ~ 305VAC 127 ~ 431VDC									
	VOLTAGE RANGE Note.5				O" agotion)						
		(Please refer to "STATIC CHARACTERISTIC" section)									
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR (Typ.)				0.94/277VAC (0					
		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)									
	TOTAL HARMONIC DISTORTION		-		AC; @ load≧)				
INPUT		(Please refer	to "TOTAL H/	ARMONIC DIS	TORTION (THD)" section)					
	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 / 115VAC	1.65A /	230VAC	1.45A / 277VAC						
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=1010 # s measured at 50% Ipeak) at 230VAC; Per NEMA 410									
	MAX. No. of PSUs on 16A	1 unit (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC									
	CIRCUIT BREAKER										
	LEARAGE CORRENT	<0.75mA / 277VAC									
	OVER CURRENT Note.4										
		Constant current limiting, recovers automatically after fault condition is removed									
PROTECTION	SHORT CIRCUIT	Hiccup mode,	recovers autor	natically after f	ault condition is	removed					
	OVER VOLTAGE	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 and	l latch off o/p vo	oltage, re-power	on to recover						
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover									
	WORKING TEMP.	Tcase= -40 ~	+90℃ (Please	e refer to "OUT	PUT LOAD vs	TEMPERATUR	RE" section)				
ENVIRONMENT	MAX. CASE TEMP.	Tcase= -40 ~ +90℃ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) Tcase= +90℃									
	WORKING HUMIDITY	20 ~ 95% RH non-condensing									
	STORAGE TEMP., HUMIDITY										
	TEMP. COEFFICIENT										
	-	±0.03%/℃ (0	,								
	VIBRATION				2min. each alon	•					
		UL8750(type"HL"), CSA C22.2 No. 250.0-08; EN/AS/NZS 61347-1, EN/AS/NZS 61347-2-13, EN62384 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),									
	SAFETY STANDARDS	EAC TP TC 004;KC61347-1,KC61347-2-13(except for AB,C-type) approved									
	SAFETY STANDARDS			· ·				(except		u D-lype),	
		EAC TP TC	004;KC61347-1	,KC61347-2-13	(except for AB,	C-type) approve		(u D-type),	
	WITHSTAND VOLTAGE	EAC TP TC (004;KC61347-1	,KC61347-2-13 6:2KVAC O/	(except for AB, P-FG:1.5KVAC	C-type) approve				u D-type),	
SAFETY & EMC	WITHSTAND VOLTAGE ISOLATION RESISTANCE	EAC TP TC (I/P-O/P:3.75K I/P-O/P, I/P-F(004;KC61347-1 VAC I/P-FG G, O/P-FG:100	,KC61347-2-13 3:2KVAC O/ M Ohms / 500	(except for AB, P-FG:1.5KVAC VDC / 25°C/ 7	C-type) approve	ed				
	WITHSTAND VOLTAGE	EAC TP TC (I/P-O/P:3.75K I/P-O/P, I/P-F(Compliance to	004;KC61347-1 VAC I/P-FG G, O/P-FG:100 EN55015, EN	,KC61347-2-13 3:2KVAC O/ M Ohms / 500	(except for AB, P-FG:1.5KVAC VDC / 25°C/ 7 32) Class B, E	C-type) approve	ed				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	EAC TP TC (I/P-O/P:3.75K I/P-O/P, I/P-F(Compliance to GB17743 and Compliance to	004;KC61347-1 VAC //P-FG G, O/P-FG:100 0 EN55015, EN 0 GB17625.1,E 0 EN61000-4-2,	,KC61347-2-13 5:2KVAC O/ M Ohms / 500 155032 (CISPR AC TP TC 020	(except for AB, P-FG:1.5KVAC VDC / 25°C/ 7 32) Class B, E	C-type) approve 0% RH N61000-3-2 C	class C (@ loa	ad≧50%);EN	61000-3-3,EN67	1000-3-3,	
	WITHSTAND VOLTAGE TSOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	EAC TP TC (I/P-O/P:3.75K I/P-O/P, I/P-F(Compliance to GB17743 and Compliance to EAC TP TC (004;KC61347-1 VAC I/P-FG G, O/P-FG:100 D EN55015, EN I GB17625.1,E D EN61000-4-2, 020	,KC61347-2-13 S:2KVAC O/ M Ohms / 500 I55032 (CISPR AC TP TC 020 3,4,5,6,8,11, E	(except for AB, P-FG:1.5KVAC VDC / 25°C/ 7 32) Class B, E	C-type) approve 0% RH N61000-3-2 C	class C (@ loa	ad≧50%);EN	61000-3-3,EN67	1000-3-3,	
EMC	WITHSTAND VOLTAGE TSOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF	EAC TP TC (I/P-O/P:3.75K I/P-O/P, I/P-F(Compliance to GB17743 and Compliance to EAC TP TC (157.1K hrs mi	004;KC61347-1 VAC I/P-FG G, O/P-FG:100 DEN55015, EN GB17625.1,E DEN61000-4-2, 020 n. MIL-HDB	,KC61347-2-13 5:2KVAC O/ M Ohms / 500 155032 (CISPR AC TP TC 020	(except for AB, P-FG:1.5KVAC VDC / 25°C/ 7 32) Class B, E	C-type) approve 0% RH N61000-3-2 C	class C (@ loa	ad≧50%);EN	61000-3-3,EN67	1000-3-3,	
	WITHSTAND VOLTAGE TSOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	EAC TP TC (I/P-O/P:3.75K I/P-O/P, I/P-F(Compliance tc GB17743 and Compliance tc EAC TP TC (157.1K hrs mi 252*90*43.8mi	004;KC61347-1 VAC I/P-FG G, O/P-FG:100 DEN55015, EN GB17625.1,E DEN61000-4-2, 020 n. MIL-HDB	,KC61347-2-13i 3:2KVAC O/ M Ohms / 500 155032 (CISPR AC TP TC 020 3,4,5,6,8,11, E K-217F (25°C)	(except for AB, P-FG:1.5KVAC VDC / 25°C/ 7 32) Class B, E	C-type) approve 0% RH N61000-3-2 C	class C (@ loa	ad≧50%);EN	61000-3-3,EN67	1000-3-3,	



50 (min.)





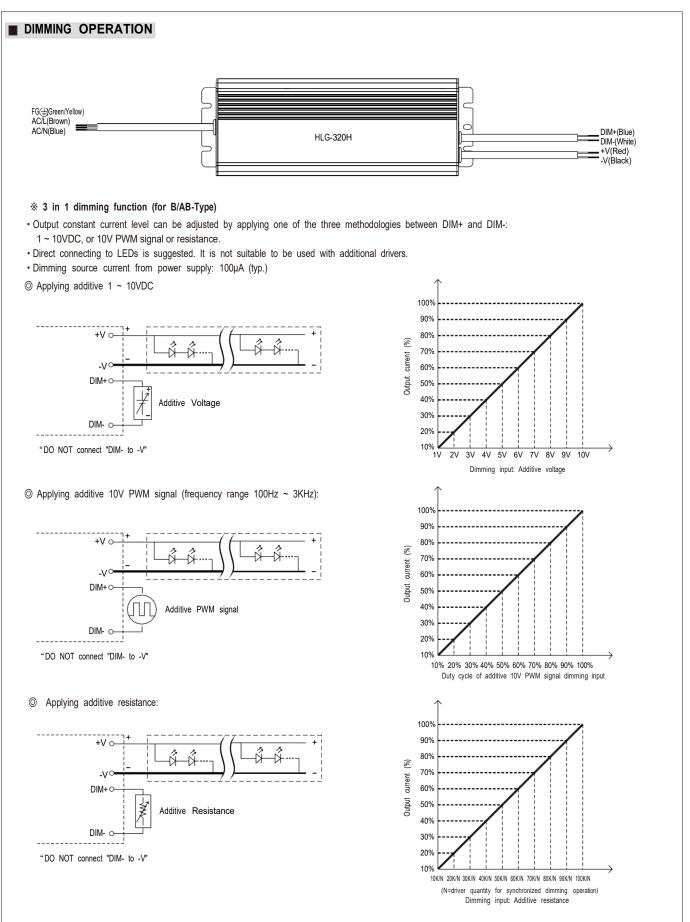
50

(C) Hiccup Protection

lo (%)

100

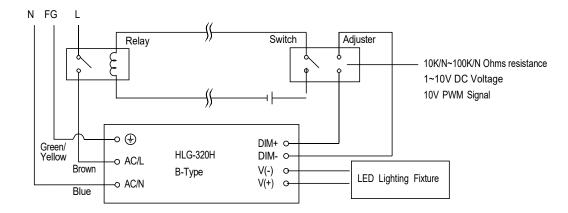






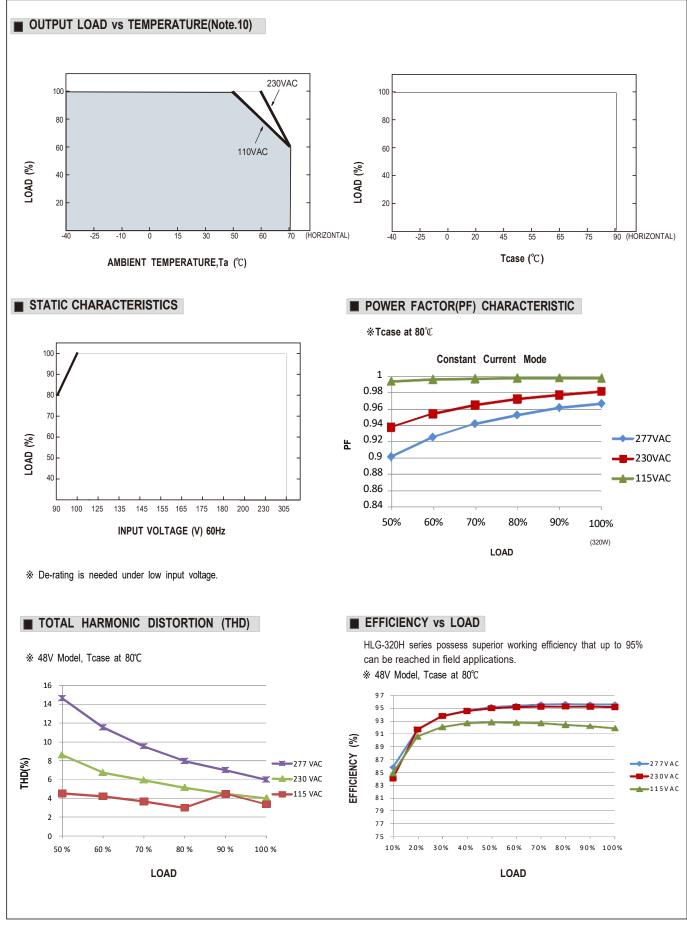
HLG-320H series

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.

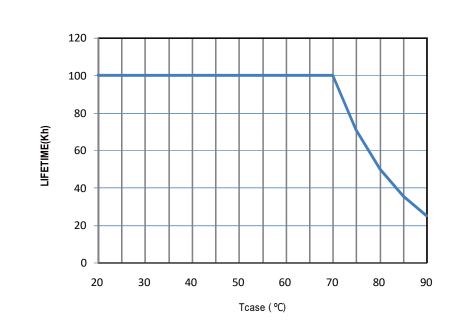




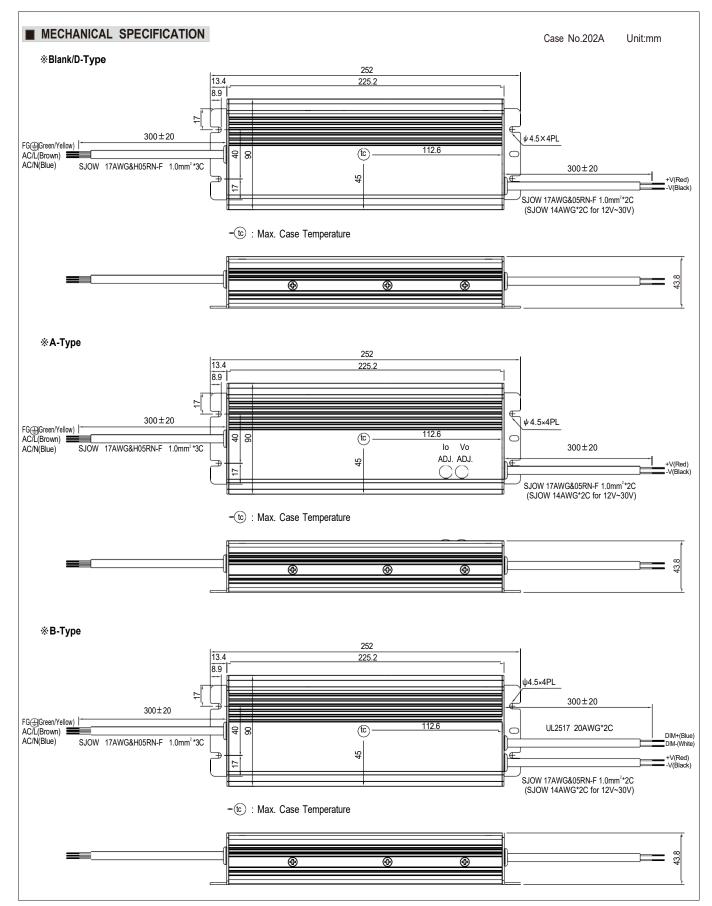


HLG-320H series

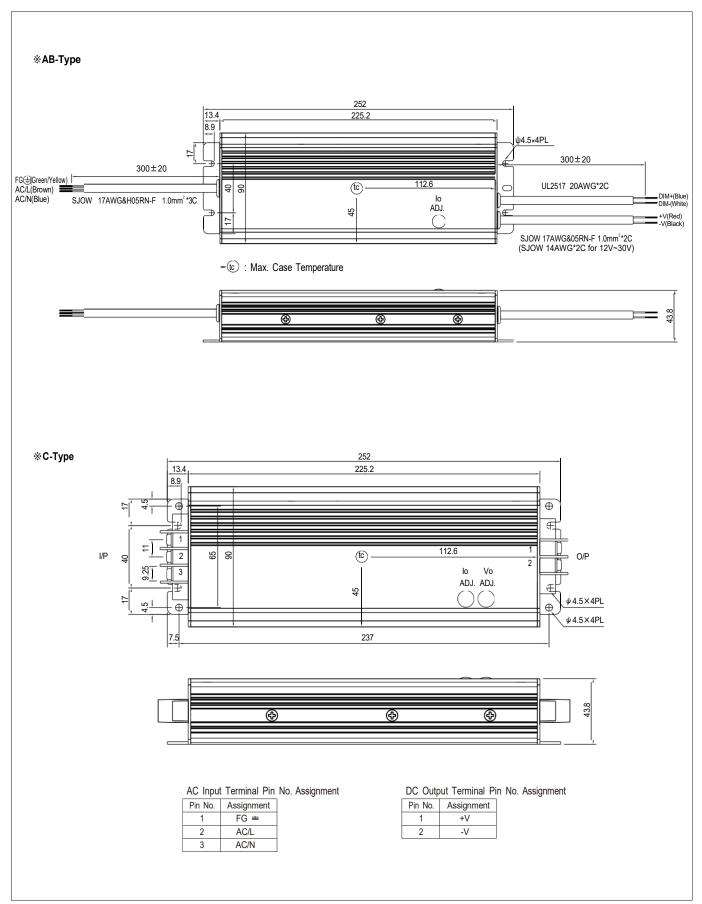
LIFE TIME













HLG-320H series

■ WATERPROOF CONNECTION

* Waterproof connector

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

