





IS 15885(Part 2/Sec13)

R-41027766



Features

Constant Voltage + Constant Current mode output

ß

- · Metal housing with class ${\mathbb I}$ design
- · 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



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

HLG-240H series is a 240W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-240H 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° 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-240H 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 - 240H - 15 A Fur Rate Rate Rate

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
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

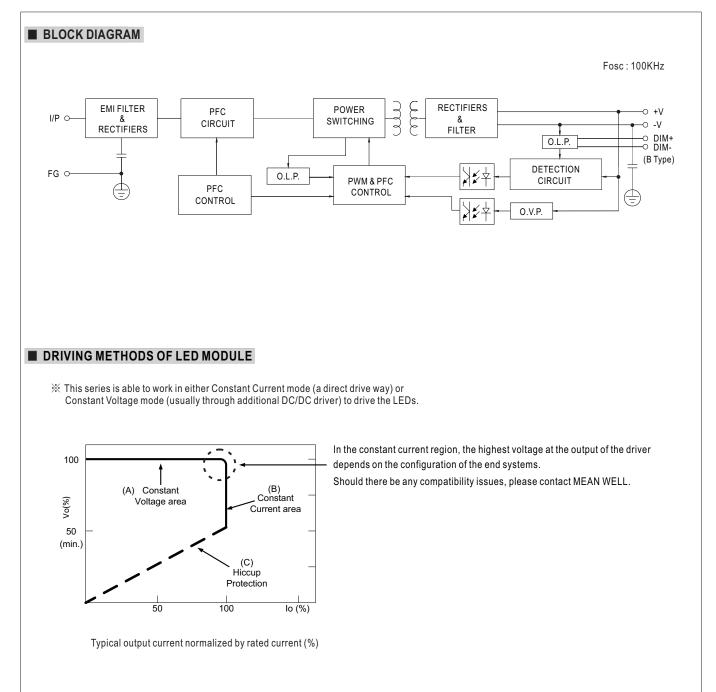


SPECIFICATION

MODEL		HLG-240H-12	HLG-240H-15	HLG-240H-20	HLG-240H-24	HLG-240H-30	HLG-240H-36	HLG-240H-42	HLG-240H-48	HLG-240H-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		
	RATED CURRENT	16A	15A	12A	10A	8A	6.7A	5.72A	5A	4.45A		
	RATED POWER	192W	225W	240W	240W	240W	241.2W	240.24W	240W	240.3W		
	RIPPLE & NOISE (max.) Note.2	-	150mVp-p	150mVp-p	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p		
OUTPUT							20011179 9	20011179.9	2001110 0	00011179.9		
	VOLTAGE ADJ. RANGE	Adjustable for A/AB/C-Type only (via built-in potentiometer) 11.2 ~ 12.8V 14 ~ 16V 18.6 ~ 21.4V 22.4 ~ 25.6V 28 ~ 32V 33.5 ~ 38.5V 39 ~ 45V 44.8 ~ 51.2V 50 ~ 57V Adjustable for A/AB/C-Type only (via built-in potentiometer) 33.5 ~ 38.5V 39 ~ 45V 44.8 ~ 51.2V 50 ~ 57V										
	CURRENT ADJ. RANGE				· ·	, ,						
		8~16A	7.5 ~ 15A	6 ~ 12A	5~10A	4 ~ 8A	3.3 ~ 6.7A	2.86 ~ 5.72A		2.23 ~ 4.45		
	VOLTAGE TOLERANCE Note.3		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	$\pm 0.5\%$	±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	1000ms,80ms/115VAC 500ms,80ms/230VAC										
	HOLD UP TIME (Typ.)	15ms / 115VAC, 230VAC										
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)										
	FREQUENCY RANGE	47 ~ 63Hz										
		PF≧0.98/115VAC, PF≧0.95/230VAC @ full load										
	POWER FACTOR (Typ.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)										
INPUT				()		,	C)					
	TOTAL HARMONIC DISTORTION	THD< 20% (@ load≧50% / 115VAC,230VAC; @ load≧75% / 277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)										
		90%	90%		· · · · ·	, ,	02 5%	02 5%	93%	03 50/		
	EFFICIENCY (Typ.)		90% 2A/230V	91.5%	92.5%	92.5%	92.5%	92.5%	93%	93.5%		
	AC CURRENT (Typ.)	4A / 115VAC			/ 277VAC		-					
	INRUSH CURRENT (Typ.)	COLD START	75A(twidth=570	mus measured a	ι ου‰ Ipeak) at	230VAC; Per NE	EIVIA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 4 units (circuit breaker of type C) at 230VAC										
	LEAKAGE CURRENT	<0.75mA/277VAC										
PROTECTION	OVER CURRENT	95 ~ 108%										
	SHORT CIRCUIT		onstant current limiting, recovers automatically after fault condition is removed ccup mode, recovers automatically after fault condition is removed									
		13.5 ~ 18V 17.5 ~ 21.5V 23.5 ~ 27.5V 27 ~ 34V 33 ~ 39V 43 ~ 49V 48 ~ 54V 55 ~ 63V 60 ~							60~67V			
		/ER VOLTAGE Shut down and latch off o/p voltage, re-power on to recover										
	OVER TEMPERATURE Shut down o/p voltage, recovers automatically after temperature goes down											
ENVIRONMENT	WORKING TEMP.	Tcase= -40 ~ +90 $^\circ \rm C$ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)										
	MAX. CASE TEMP.	Tcase=+90°C										
	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	cle, period for	72min. each al	ong X, Y, Z axe	S					
	SAFETY STANDARDS	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL1012, CAN/CSA-C22.2 No. 107.1-01, 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 (except for HLG-240H C type); IEC/UL/BS EN/EN 62368-1(except for AB,D type), UL8750;GB19510.1,GB19510.14(except for C-type);IP65 or IP67;J61347-1,J61347-2-13(except for B,AB and D-type), BIS IS15885(for 48V only), EAC TP TC 004,KC61347-1,KC61347-2-13(except for AB,C,D-type) approved										
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC										
EMC	ISOLATION RESISTANCE											
OTHERS	EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH 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;KC KN15,KN61547(except for AB,C,D-type)										
	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;KC KN15,KN61547(except for AB,C,D-type)								unity		
	MTBF	2015.1K hrs min. Telcordia SR-332 (Bellcore) ; 176.4K hrs min. MIL-HDBK-217F (25° C)										
	DIMENSION	244.2*68*38.	8mm (L*W*H)(HLG-240H-Bla	ink/A/B) 2	251*68*38.8mm	n (L*W*H)(HLG	-240H C-Type)				
	PACKING	1.3Kg; 12pcs/	16.6Kg/0.84Cl	UFT(HLG-240-	Blank/A/B)	1.23Kg; 12p	cs/15.8Kg/1.16	CUFT(HLG-24	0 C-Type)			
NOTE	 All parameters NOT special Ripple & noise are measured Tolerance : includes set up Please refer to "DRIVING M De-rating may be needed u Length of set up time is me The driver is considered as complete installation, the fin (as available on https://www To fulfill requirements of the connected to the mains. This series meets the typica Please refer to the warrani The ambient temperature of 12. For any application note ai 	ed at 20MHz o tolerance, line METHODS OF inder low input asured at first a component i inal equipment i imeanwell.com latest ErP reg al life expectan- ty statement of derating of 3.5	f bandwidth by regulation and LED MODULI voltages. Plea cold start. Turr that will be opr manufacturers //Upload/PDF/ ulation for light cy of >62,000 n MEAN WELI 'C/1000m with	v using a 12" t I load regulatic E". ase refer to "S" ning ON/OFF t erated in comt must re-qualif (EMI_statemer ting fixtures, th hours of opera L's website at fanless mode	wisted pair-wir on. TATIC CHARA the driver may pination with fli y EMC Directir tt_en.pdf) is LED driver ation when Tca http://www.me sls and of 5°C/	e terminated w CTERISTIC" s lead to increas nal equipment. ve on the comp can only be us ase, particularly anwell.com. 1000m with far	ith a 0.1uf & 4 ections for det se of the set up Since EMC pe olete installation ed behind a su (c) point (or 1 n models for op	7uf parallel ca ails. p time. erformance will n again. witch without p FMP, per DLC) perating altitud	be affected b ermanently , is about 75°0	C or less.		

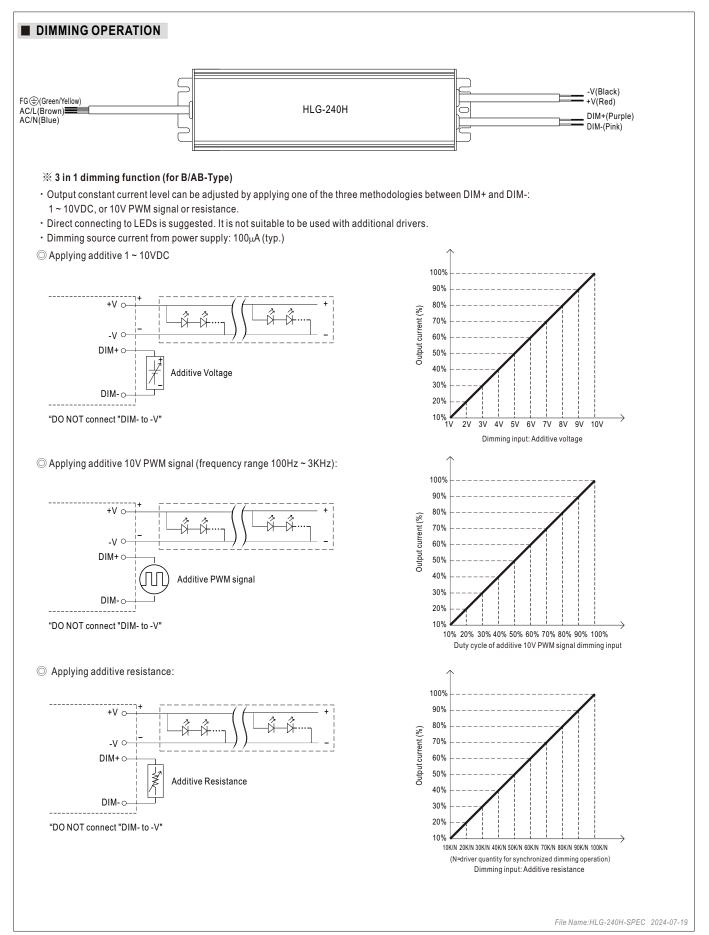


HLG-240H series



File Name:HLG-240H-SPEC 2024-07-19

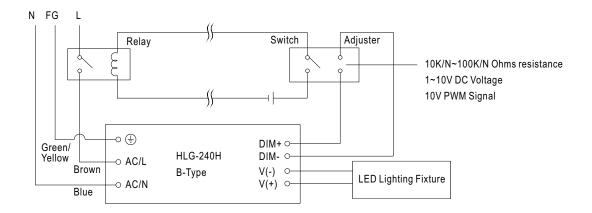






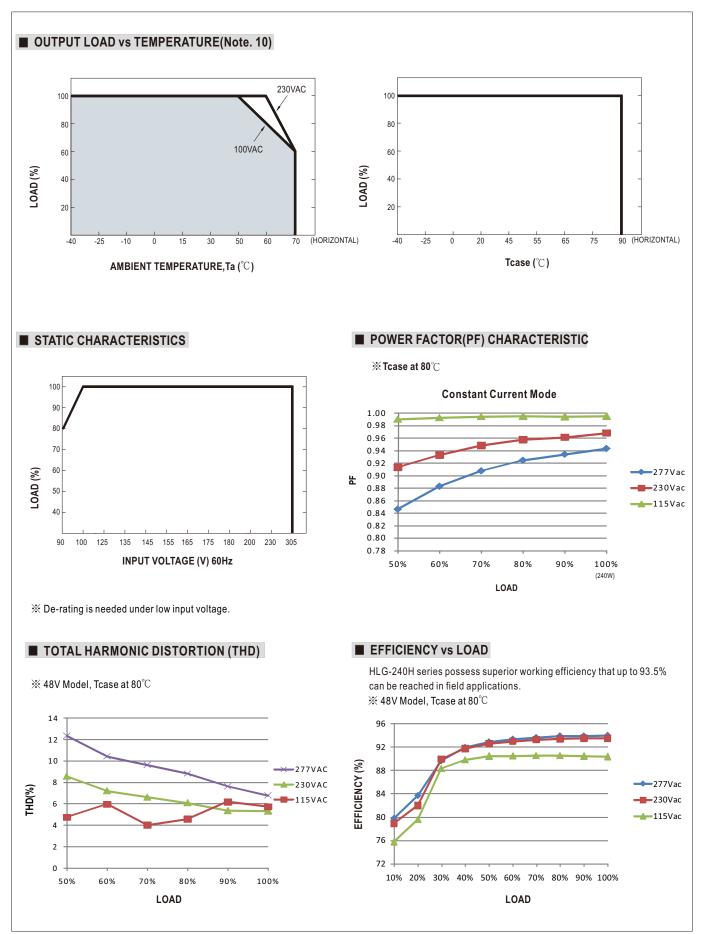
HLG-240H series

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.

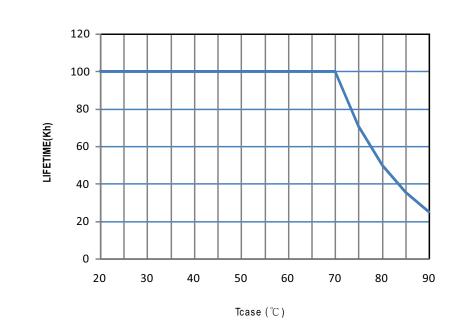






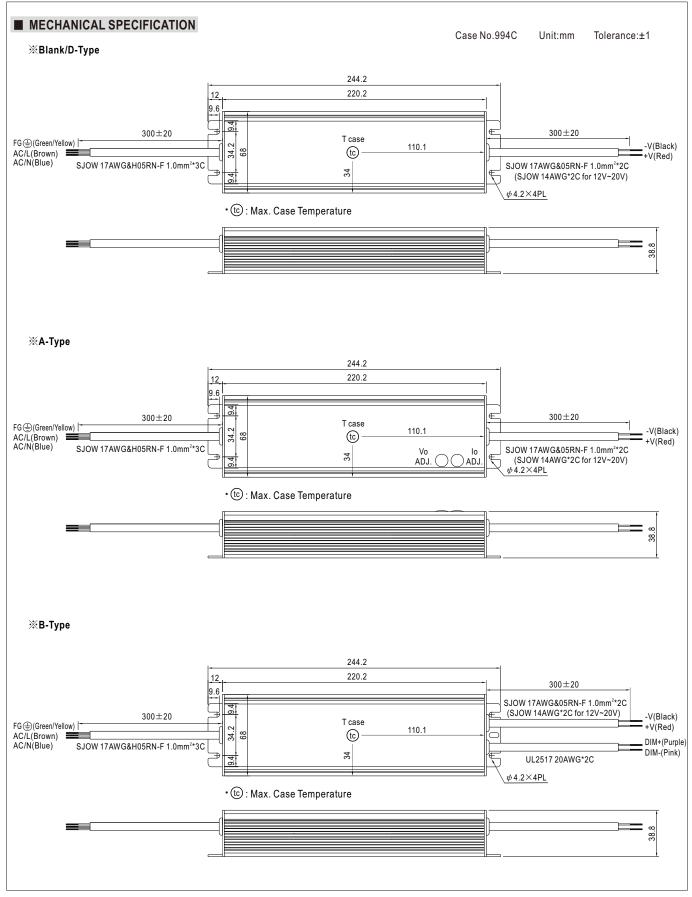
HLG-240H series

LIFE TIME



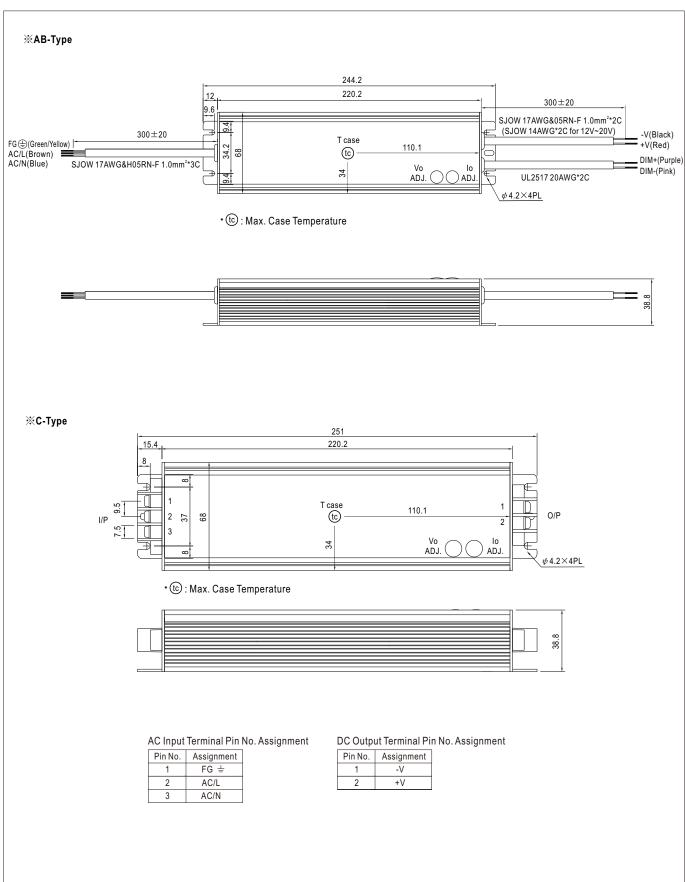
File Name:HLG-240H-SPEC 2024-07-19





File Name:HLG-240H-SPEC 2024-07-19



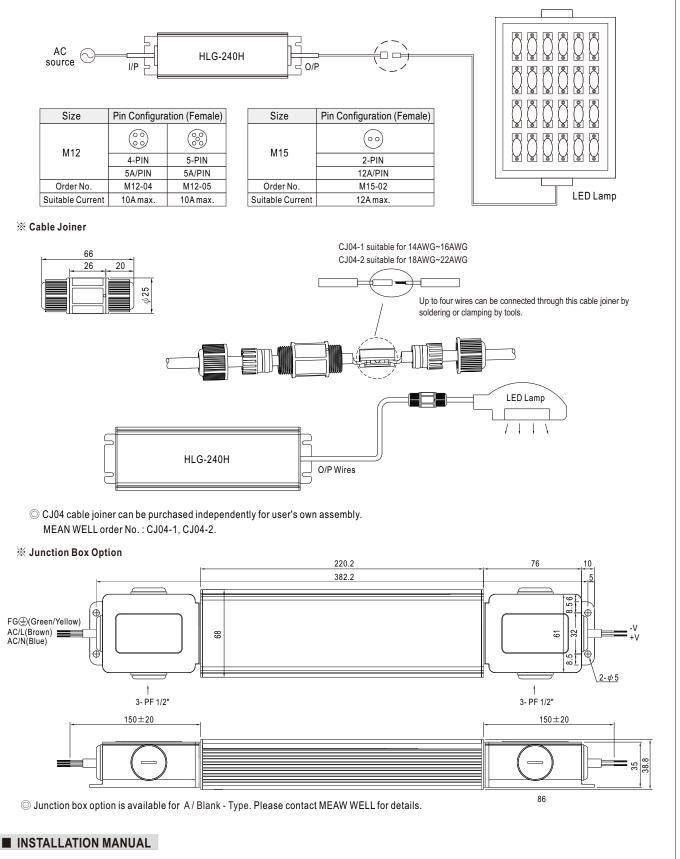




WATERPROOF CONNECTION

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

Waterproof connector can be assembled on the output cable of HLG-240H to operate in dry/wet/damp or outdoor environment.



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