





IS 15885(Part 2/Sec13)

R-41027766



#### Features

Constant Voltage + Constant Current mode output

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- · 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: <a href="https://www.meanwell.com/serviceGTIN.aspx">https://www.meanwell.com/serviceGTIN.aspx</a>

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  $-40^{\circ}$ 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-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

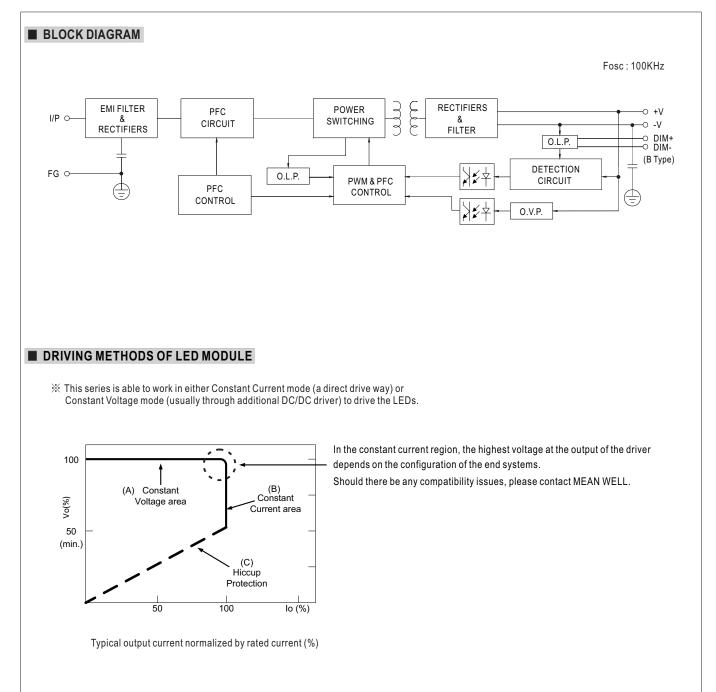


#### SPECIFICATION

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 ( $25^{\circ}$ 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	<ol> <li>All parameters NOT special</li> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up</li> <li>Please refer to "DRIVING M</li> <li>De-rating may be needed u</li> <li>Length of set up time is me</li> <li>The driver is considered as complete installation, the fin (as available on https://www</li> <li>To fulfill requirements of the connected to the mains.</li> <li>This series meets the typica</li> <li>Please refer to the warrani</li> <li>The ambient temperature of 12. For any application note ai</li> </ol>	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.		

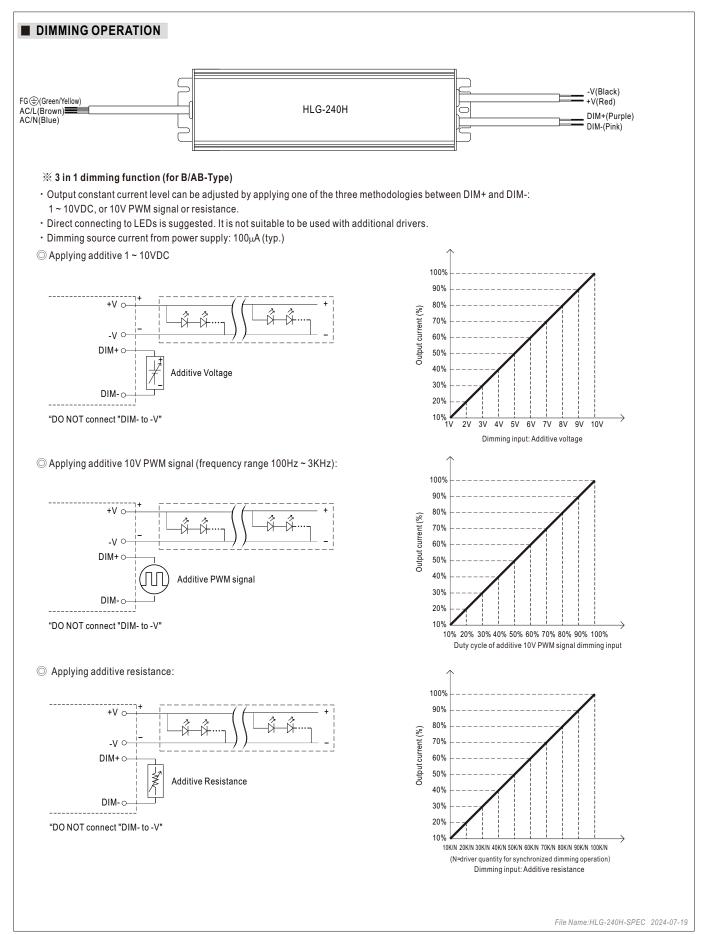


## HLG-240H series



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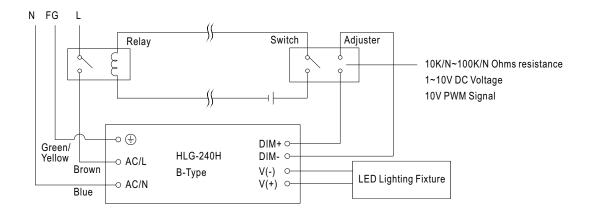






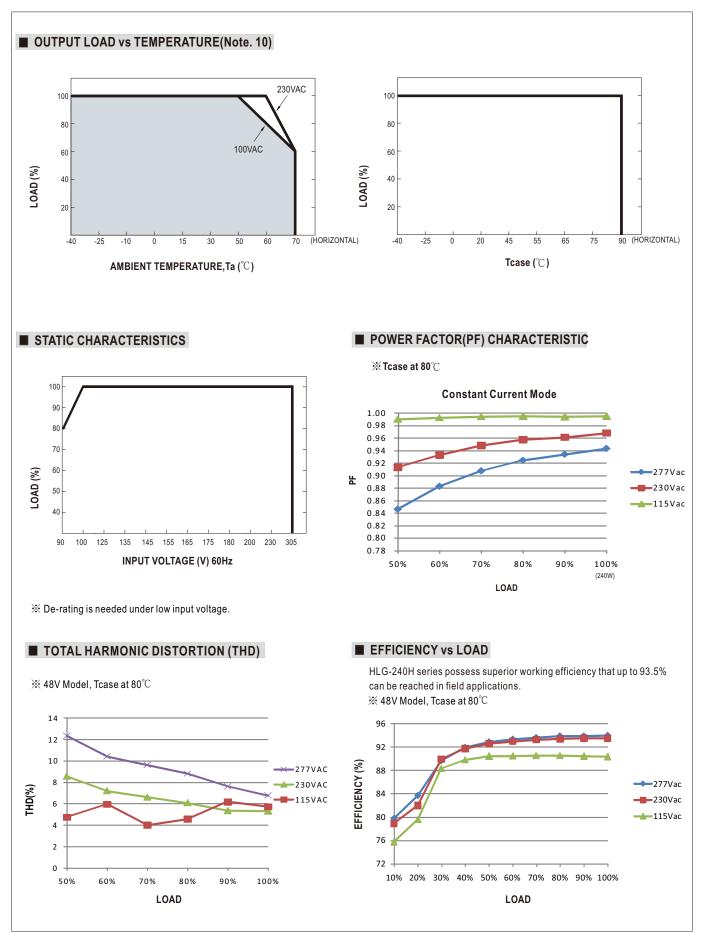
# HLG-240H series

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.

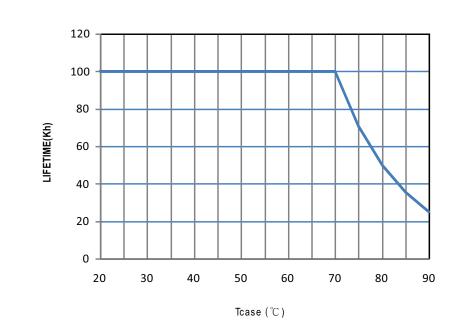






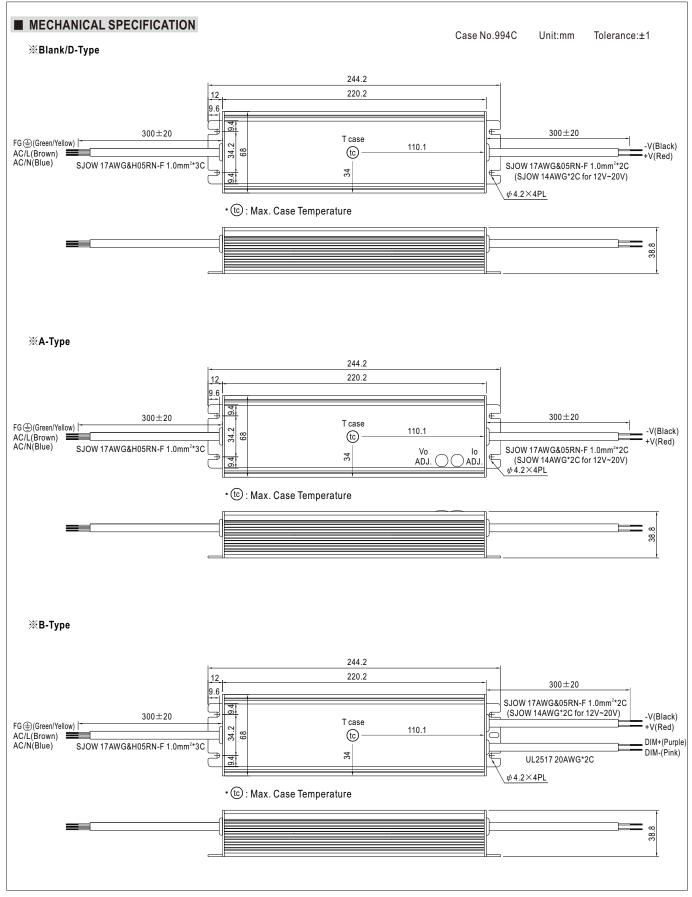
HLG-240H series

LIFE TIME



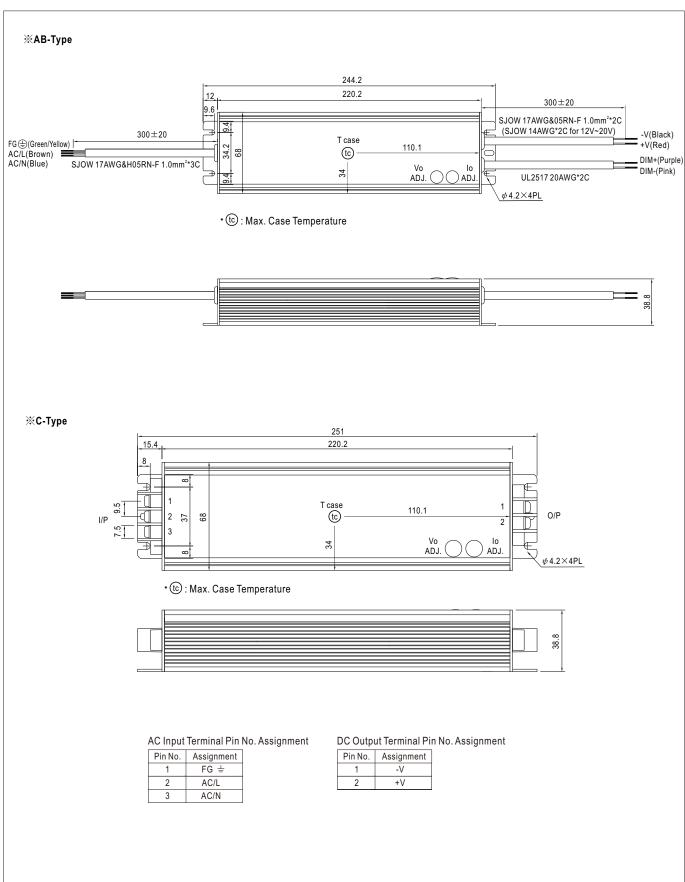
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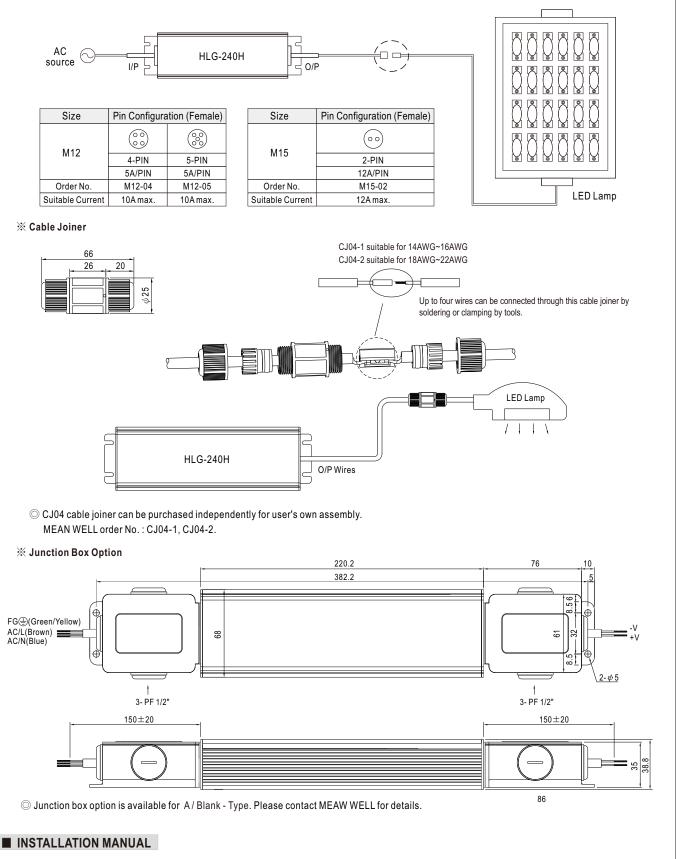




#### WATERPROOF CONNECTION

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

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