





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: 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 Fun Rat Rat

Function options

Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)

Rated wattage

Series name

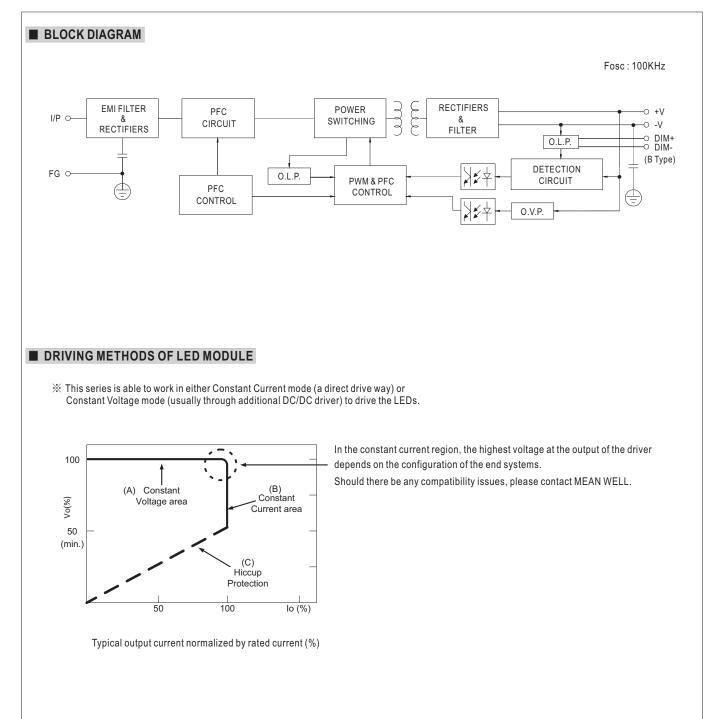
Туре	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 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



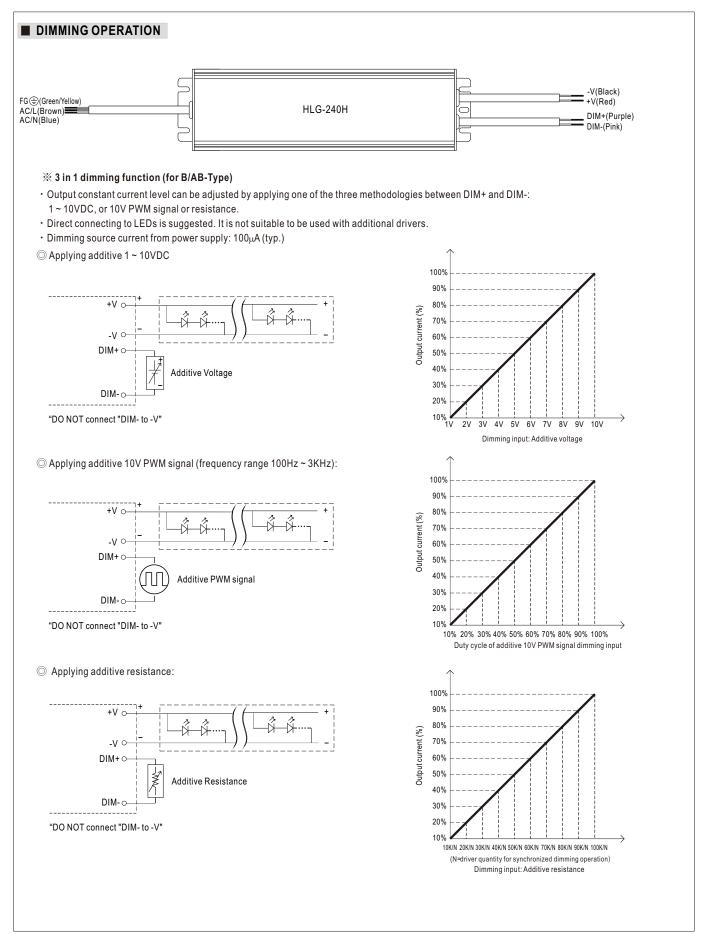
SPECIFICATION

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	
OUTPUT	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	
							2001119 9	200mpp	2001119 p	ocom vp p	
	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)									
	CURRENT ADJ. RANGE				· ·	· · ·	0.0.074	0.00 5.704	0	0.00 4.45	
		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%	±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									
	POWER FACTOR (Typ.)	$PF \ge 0.98/115VAC$, $PF \ge 0.95/230VAC$ @ full load									
INDUT		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)									
	TOTAL HARMONIC DISTORTION	THD< 20% (@ load≧50% / 115VAC,230VAC; @ load≧75% / 277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)									
INPUT		`			· · ·	, ,	00.5%	00.5%	000/	00.50/	
	EFFICIENCY (Typ.)	90%	90%	91.5%	92.5%	92.5%	92.5%	92.5%	93%	93.5%	
	AC CURRENT (Typ.)	4A / 115VAC	2A/230	-	/ 277VAC						
	INRUSH CURRENT (Typ.)	COLD START	75A(twidth=57	0µs measured a	at 50% Ipeak) at	230VAC; Per N	EMA 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									
		95 ~ 108%									
	OVER CURRENT Constant current limiting, recovers automatically after fault condition is removed										
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed									
PROTECTION		Inccup mode, recovers automatically alter 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 ~ 67V									
	OVER VOLTAGE			-	1						
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover Shut down o/p voltage, recovers automatically after temperature goes down									
	WORKING TEMP.	Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)									
ENVIRONMENT	MAX. CASE TEMP. Tcase=+90°C										
	VORKING 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,	5G 12min./1cy	cle, period for	72min. each al	ong X, Y, Z axe	S				
	SAFETY STANDARDS	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	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH									
	EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Onms / 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, GB17743 and 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)									
OTHERS	DIMENSION			(HLG-240H-Bla	, .			-240H C-Type)		
	PACKING		, ,	UFT(HLG-240	,		. ,.	CUFT(HLG-24			
NOTE	 All parameters NOT special Ripple & noise are measure 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 To fulfill requirements of the connected to the mains. This series meets the typica Please refer to the warrant The ambient temperature of For any application note an 	ly mentioned a dat 20MHz c tolerance, line IETHODS OF nder low input asured at first a component al equipment latest ErP rec al life expectan ty statement o derating of 3.5	are measured of bandwidth b regulation an LED MODUL voltages. Ple cold start. Tur that will be op manufacturers gulation for ligh cy of >62,000 n MEAN WEL °C/1000m witt	at 230VAC inp y using a 12" t d load regulation E". ase refer to "S ming ON/OFF perated in complete must re-qualif inting fixtures, th hours of opera L's website at h fanless mode	out, rated curre wisted pair-win on. TATIC CHAR/ the driver may bination with fil by EMC Directi his LED driver ation when Tc http://www.me els and of 5°C/	et erminated w ACTERISTIC" lead to increa hal equipment. ye on the comp can only be us ase, particularh anwell.com. 1000m with fa	of ambient tem vith a 0.1uf & 4 sections for de se of the set u Since EMC p plete installatio sed behind a s y (c) point (or n models for o	perature. Fuf parallel ca stails. In time. erformance wil n again. witch without p TMP, per DLC perating altituc	pacitor. I be affected b bermanently :), is about 75°	C or less.	





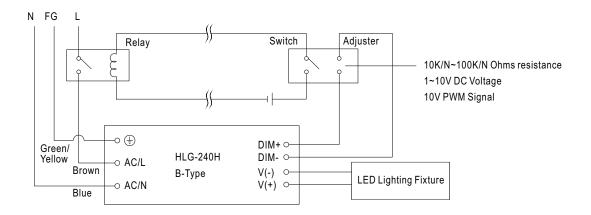






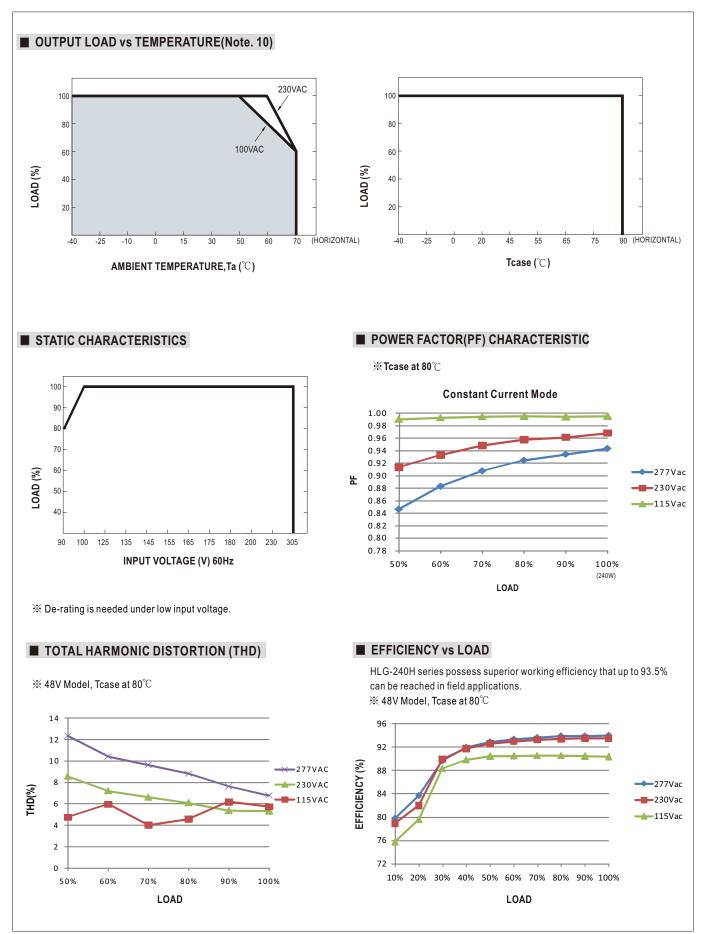
HLG-240H series

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.

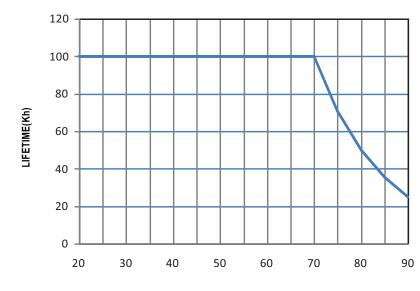






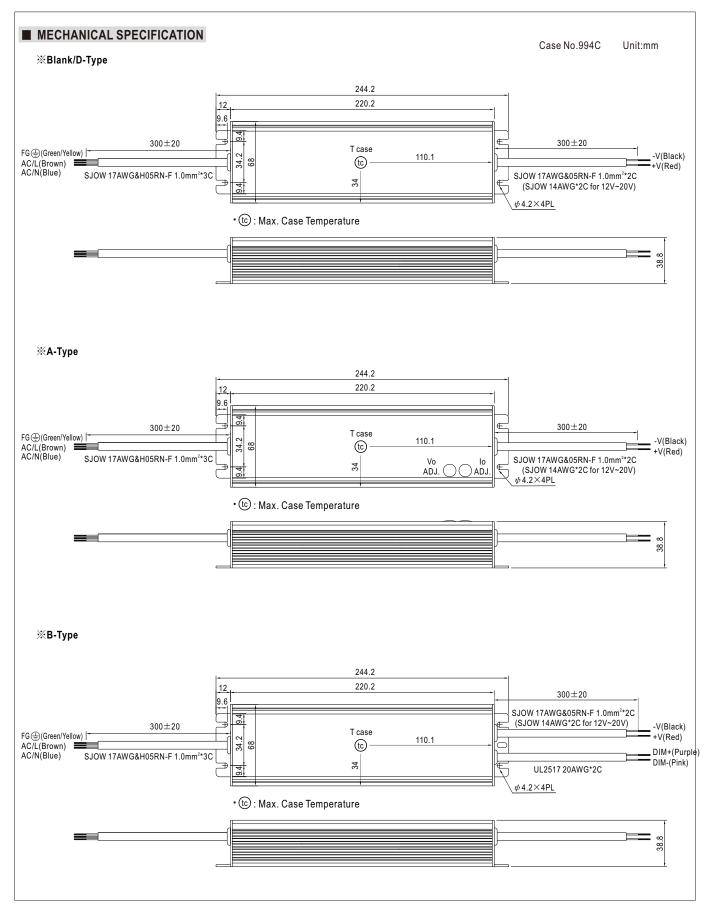
HLG-240H series

LIFE TIME

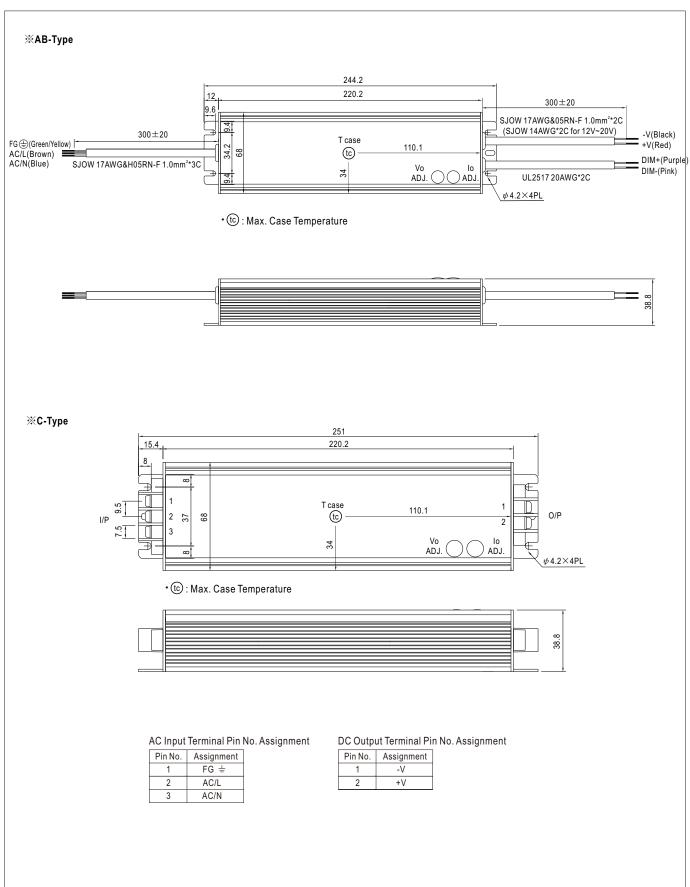


Tcase ($^\circ\!\mathrm{C}$)







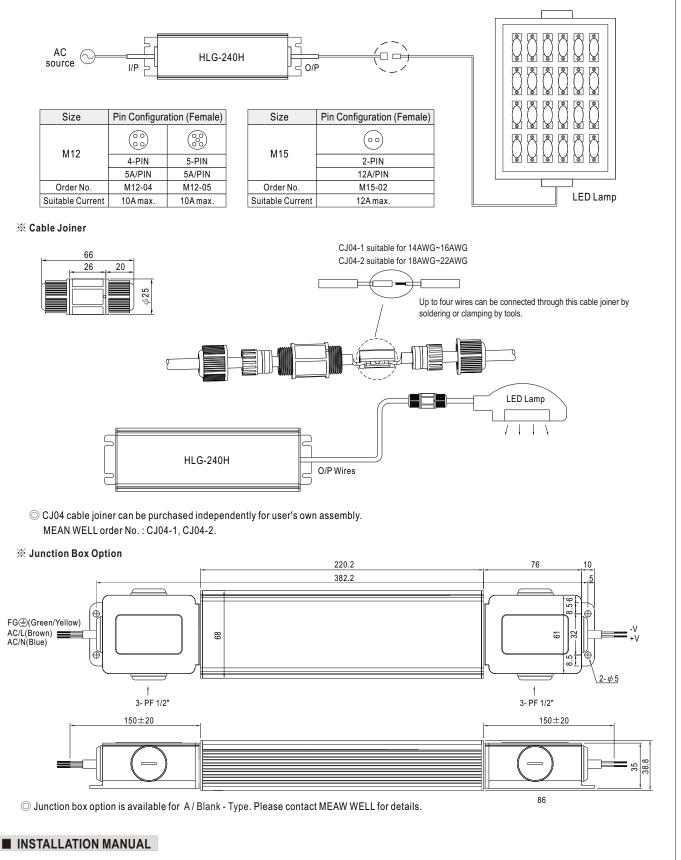




WATERPROOF CONNECTION

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

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