240W Constant Voltage + Constant Current LED Driver **HLG-240H** series





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

🖯 🕂 selv IP65 IP67 🕞

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 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

HLG-240H series

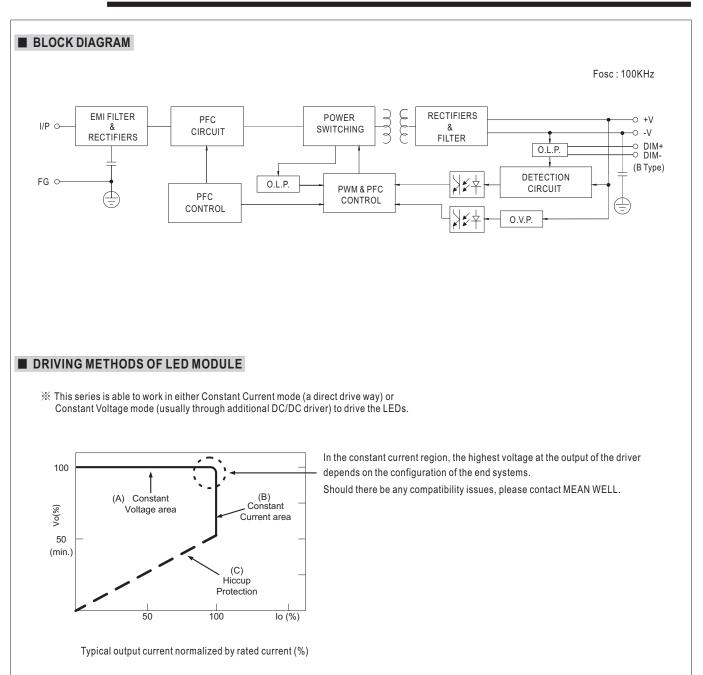
SPECIFICATION

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			
OUTPUT	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			
		Adjustable for A/AB/C-Type only (via built-in potentiometer)											
	VOLTAGE ADJ. RANGE	, 11.2 ~ 12.8V			22.4 ~ 25.6V		33.5 ~ 38.5V	39 ~ 45V	44.8~51.2V	50~57V			
				only (via built									
	CURRENT ADJ. RANGE	8~16A	7.5 ~ 15A	6 ~ 12A	5~10A	4~8A	3.3~6.7A	2.86 ~ 5.72A	2 5 ~ 5A	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%			
		1000ms,80ms/115VAC 500ms,80ms/230VAC											
	HOLD UP TIME (Typ.)	15ms / 115VAC, 230VAC											
	HOLD OF TIME (Typ.)	90 ~ 305VAC 127 ~ 431VDC											
-	VOLTAGE RANGE Note.5												
	FREQUENCY RANGE	47 ~ 63Hz PF≧0.98/115VAC. PF≧0.95/230VAC @ full load											
	POWER FACTOR (Typ.)			0		0							
				CTOR (PF) CH		,	()						
INDUT	TOTAL HARMONIC DISTORTION			/ 115VAC,230			6)						
INPUT				ARMONIC DIS			00.5%	00.5%	000/	00.50/			
H	EFFICIENCY (Typ.)	90%	90%	91.5%	92.5%	92.5%	92.5%	92.5%	93%	93.5%			
	AC CURRENT (Typ.)	4A / 115VAC	2A / 230V		277VAC								
-	INRUSH CURRENT (Typ.)	COLD START	10A(Twidth=570	us measured at	l ⊃U‰ Ipeak) at 2	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											
		95 ~ 108%											
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed											
PROTECTION	SHORT CIRCUIT	Hiccup mode,	recovers auto	matically after	fault condition	is removed							
	OVER VOLTAGE	13.5 ~ 18V		23.5~27.5V		33 ~ 39V	43 ~ 49V	48 ~ 54V	55~63V	60~67V			
	OVER VOLIAGE	Shut down and latch off o/p voltage, re-power on to recover											
	OVER TEMPERATURE	Shut down o/	p voltage, reco	overs automatically after temperature goes down									
	WORKING TEMP.	Tcase= -40 ~	+90°C (Pleas	e refer to "OU1	PUT LOAD ve	S TEMPERATU	JRE" section)						
	MAX. CASE TEMP.	Tcase= +90°C	2										
	WORKING HUMIDITY	Y 20 ~ 95% RH non-condensing											
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 7	2min. each al	ong X, Y, Z axe	S						
	SAFETY STANDARDS	UL 1012, 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:3.75	KVAC I/P-F	G:2KVAC O/	P-FG:1.5KVA	C							
EMC	ISOLATION RESISTANCE			· · · · · ·									
	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%);											
	EMC IMMUNITY	BS EN/EN61000-3-3,GB17743 and GB17625.1,EAC TP TC 020;KC KN15,KN61547(except for AB,C,D-type) 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)											
	MTBF	2015.1K hrs n		ia SR-332 (Bell		· · ·							
ł	DIMENSION			HLG-240H-Bla			L-HDBK-217F	,					
	PACKING		. , ,	JFT(HLG-240-	,		cs/15.8Kg/1.16	. ,					
	1. All parameters NOT special	0.1	•		,		ů.						
NOTE	 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. 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(6500) 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 												

* Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:HLG-240H-SPEC 2022-02-18

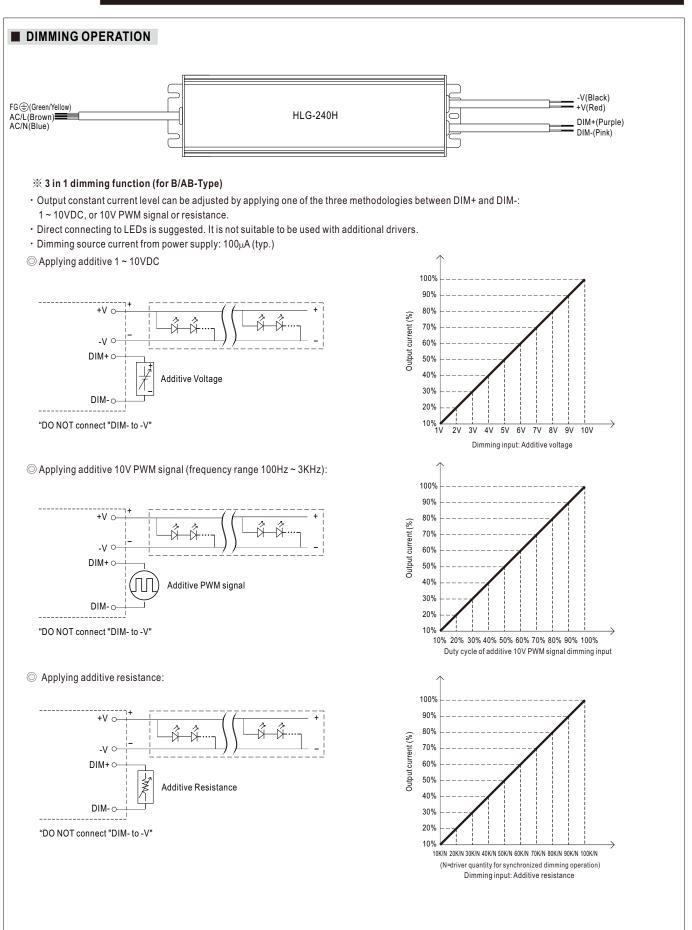
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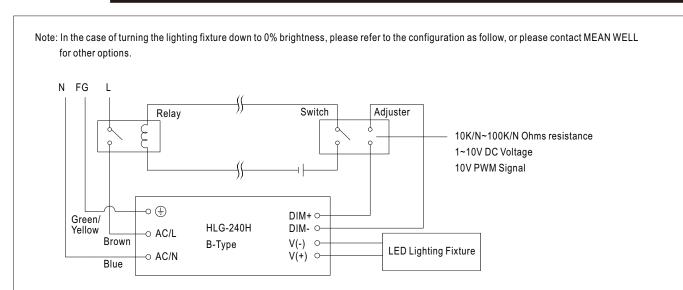
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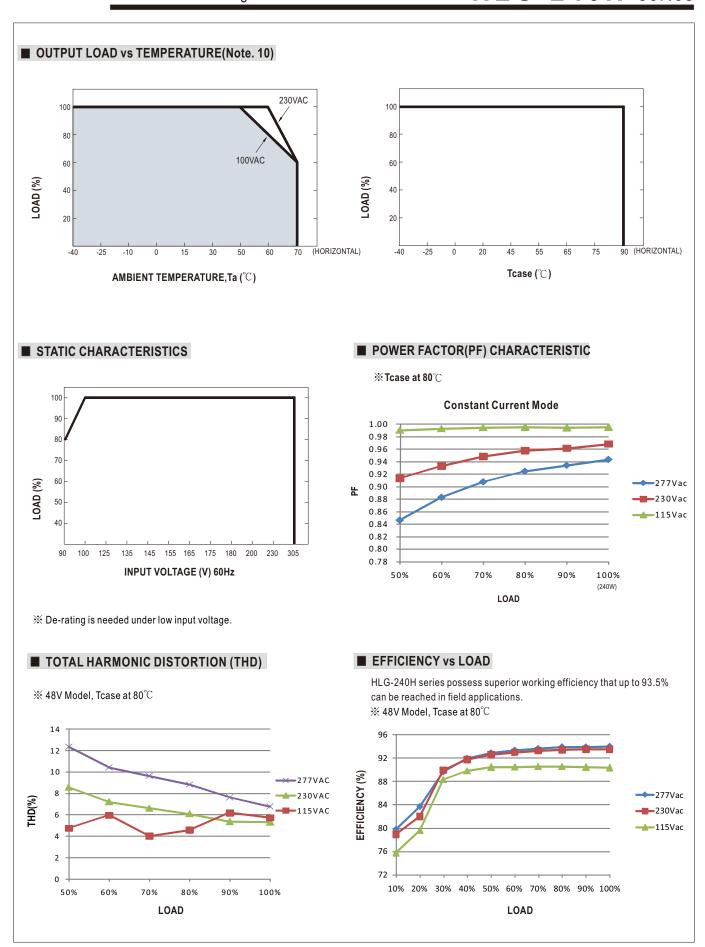


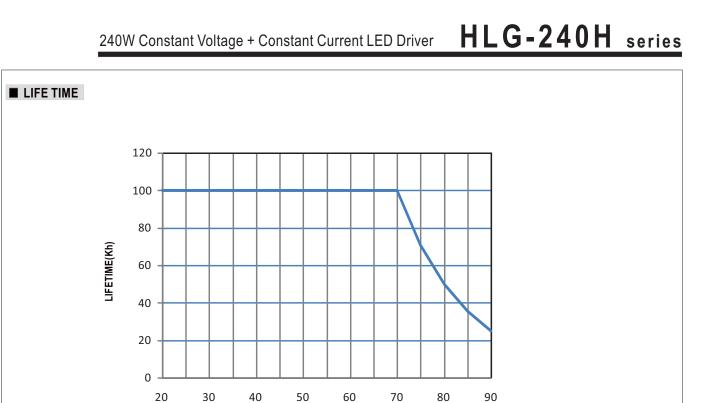
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Using a switch and relay can turn ON/OFF the lighting fixture.

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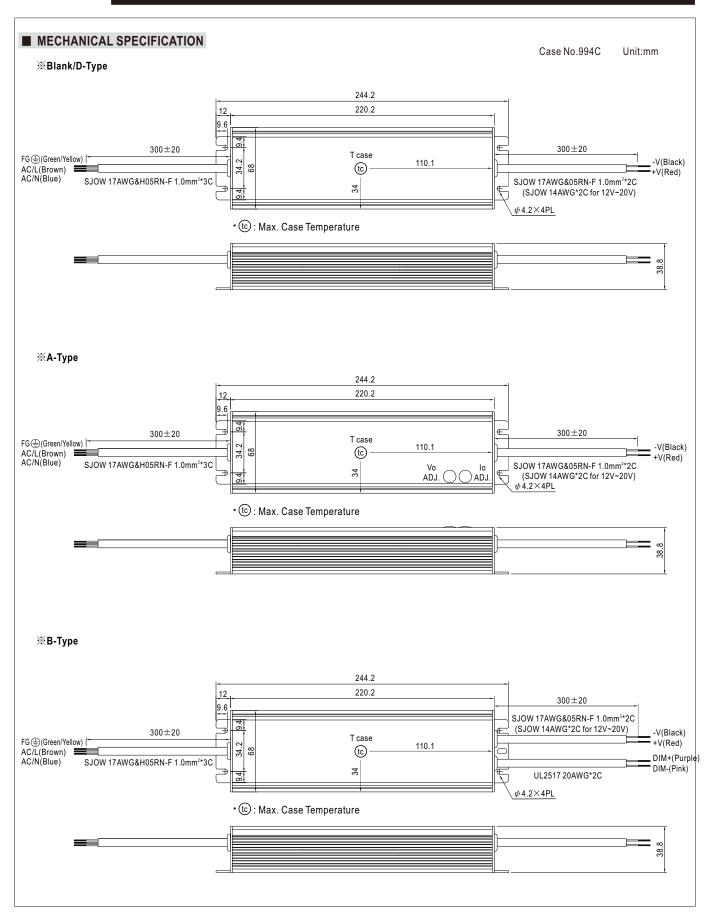




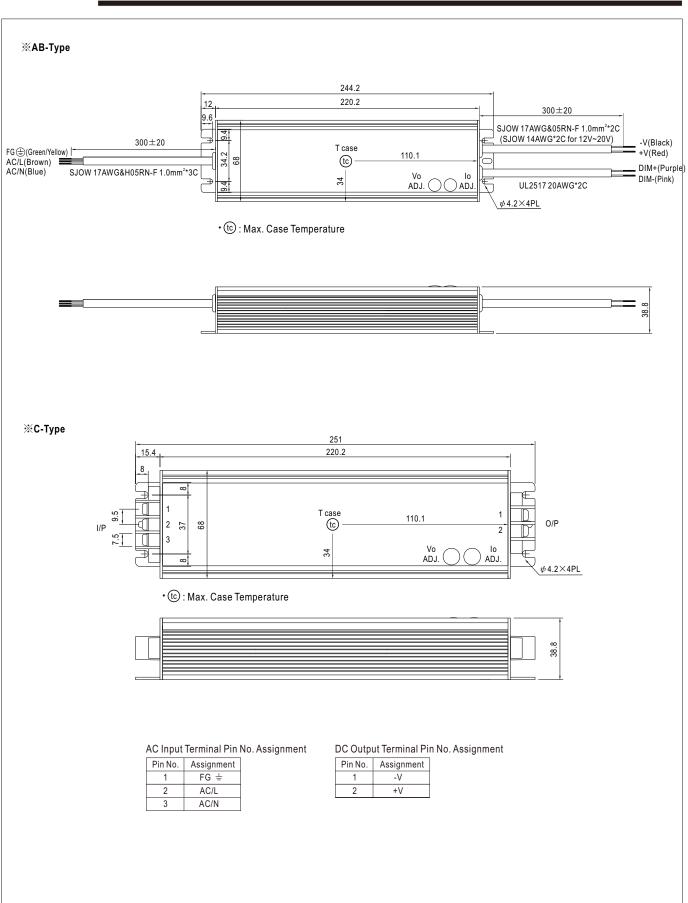




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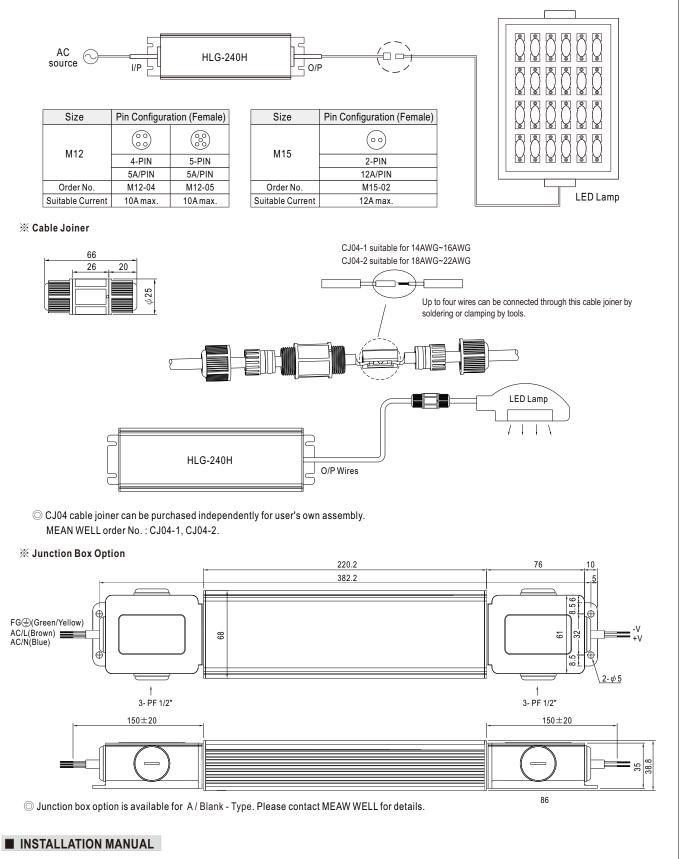


HLG-240H series

■ 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