







Features

- Constant Voltage + Constant Current mode output
- · 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

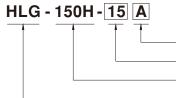
- LED street lighting
- · LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- · LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

HLG-150H series is a 150W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-150H operates from 90 ~ 305VAC 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 ~ $+90^{\circ}$ 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-150H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding



Function options Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V) Rated wattage Series name

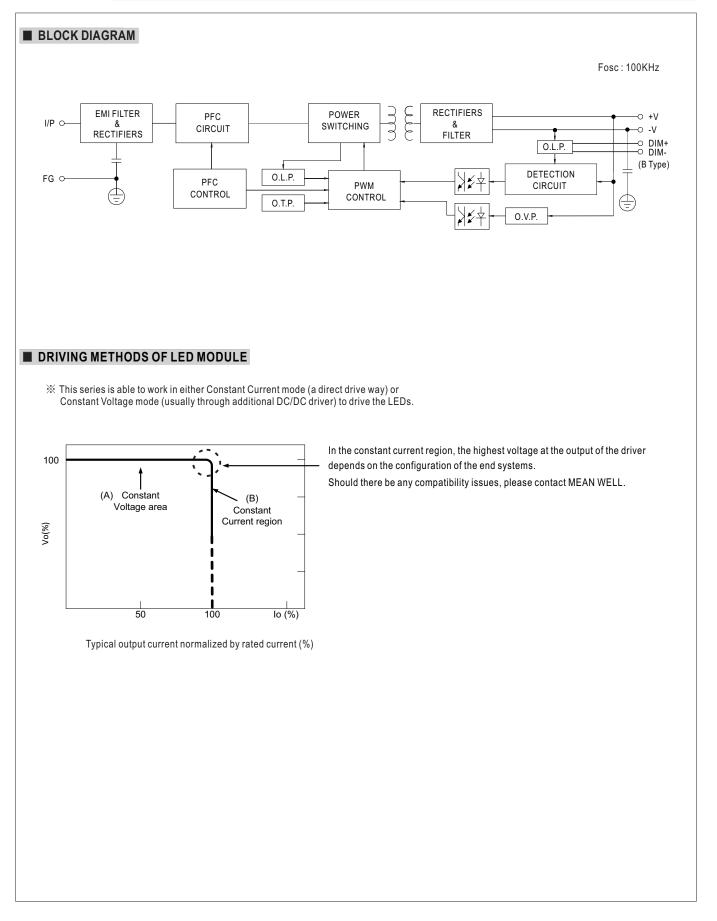
Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request



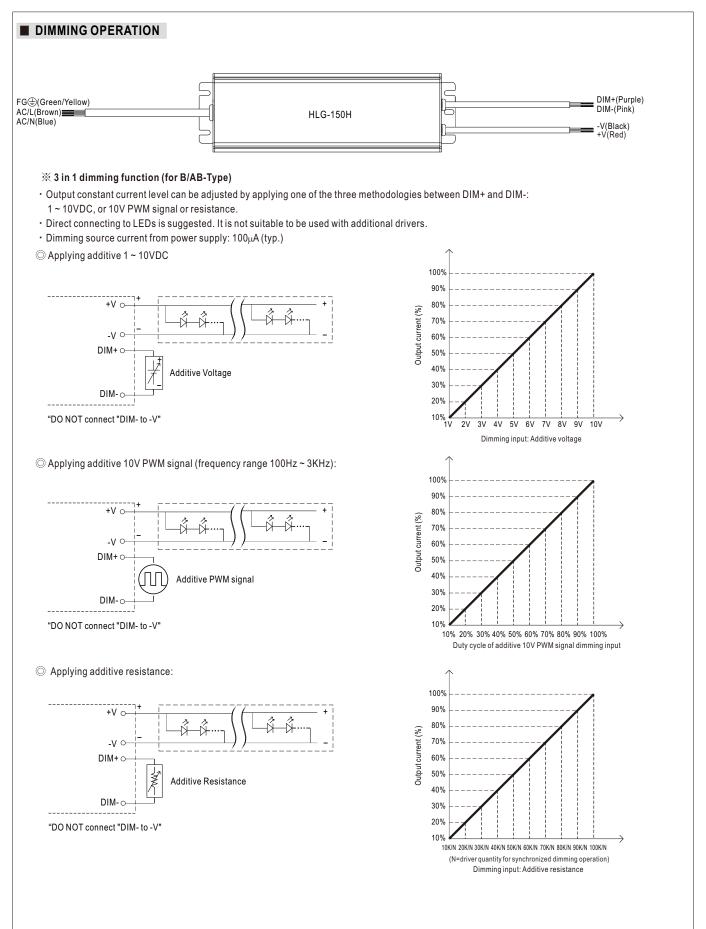
SPECIFICATION

MODEL		HLG-150H-12	HLG-150H-15	HLG-150H-20	HLG-150H-24	HLG-150H-30	HLG-150H-36	HLG-150H-42	HLG-150H-48	HLG-150H-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	12.5A	10A	7.5A	6.3A	5A	4.2A	3.6A	3.2A	2.8A			
	RATED POWER	150W	150W	150W	151.2W	150W	151.2W	151.2W	153.6W	151.2W			
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p			
				nly (via built-ii									
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V		17 ~ 22V	22~27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49~58V			
				nly (via built-ii			00 101	00 101	40 000	40 000			
	CURRENT ADJ. RANGE	7.5 ~ 12.5A		4.5 ~ 7.5A		3~5A	2.5 ~ 4.2A	2.16 ~ 3.6A	1.92 ~ 3.2A	1.68 ~ 2.8			
			6~10A		3.8~6.3A								
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION	$\pm 0.5\%$	±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,200ms/115VAC 500ms,200ms/230VAC											
	HOLD UP TIME (Typ.) 16ms / 115VAC, 230VAC												
	VOLTAGE RANGE Note.5 90 ~ 305VAC 127 ~ 431VDC												
	VOLIAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)											
	FREQUENCY RANGE	47 ~ 63Hz											
		PF≧0.98/115	VAC. PF≧0.9	5/230VAC. PF	≥0.92/277VA	C @ full load							
	POWER FACTOR (Typ.)	PF≧0.98/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC @ full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)											
		THD< 20% ($@$ load \geq 60% / 115VAC,230VAC; $@$ load \geq 75% / 277VAC)											
INPUT	TOTAL HARMONIC DISTORTION	(@lease refer to "TOTAL HARMONIC DISTORTION (THD)" section)											
					· · · ·		00.5%	0.40/	0.40/	0.40/			
	EFFICIENCY (Typ.)	91.5%	92%	93%		93.5%	93.5%	94%	94%	94%			
	AC CURRENT (Typ.)	1.7A / 115VA			0.7A / 277VAC								
	INRUSH CURRENT (Typ.)	COLD START 65A(twidth=425µs measured at 50% lpeak) at 230VAC; Per NEMA 410											
	MAX. No. of PSUs on 16A	4 units (circui	t breaker of tyr	oe B) / 7 units	(circuit breake	r of type C) at 2	230VAC						
	CIRCUIT BREAKER	4 01113 (011001											
	LEAKAGE CURRENT	<0.75mA / 277VAC											
		95 ~ 108%											
	OVER CURRENT OVER CURRENT Constant current limiting, recovers automatically after fault condition is removed												
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed											
PROTECTION		14 ~ 17V	18~21V	23~27V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47~53V	54 ~ 63V	59 ~ 65V			
	OVER VOLTAGE			auto-recovery			1 400	47 007	04 000	00 001			
			-	vers automatic	· ·		lown						
	OVER TEMPERATURE					•							
	WORKING TEMP.	Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)											
	MAX. CASE TEMP. Tcase= +90°C												
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH	non-condensir	ng									
ENVIRONMENT	STORAGE TEMP., HUMIDITY	ORAGE TEMP., HUMIDITY -40 ~ +80°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT	±0.03%/°C (0∼60° C)										
	VIBRATION	10~500Hz, 5	5G 12min./1cyc	cle, period for	72min. each al	ong X, Y, Z axe	es						
		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes											
SALETY 8	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 No. 250.0-08; BS EN/EN 61347-1, BS EN/EN 61347-2-13, AS/NZS 61347-1(except for AB-type), AS/ NZS 61347-2-13(except for AB-type) independent; GB19510.1, GB19510.14(except for D-type); IP65 or IP67; J61347-1, J61347-2-											
		(except for D-type),BIS Is15885(for A,B type only), EAC TP TC 004; KC61347-1,KC61347-2-13(except for D-type) approved I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC											
SAFETY &	WITHSTAND VOLTAGE												
EMC	ISOLATION RESISTANCE			00M Ohms / 50									
	EMC EMISSION						BS EN/EN6100			o);			
							TP TC 020, KS						
	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, KSC 9547(excent for D-type)											
	Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020, KSC 9547(except for D-type)												
OTHERS	MTBF			iia SR-332(Bi	elicore); 16	0.4K Nrs min	. MIL-HDBK-	217F (25 C)					
	DIMENSION	228*68*38.8r											
	PACKING	÷ .	s/14.8Kg/0.8C										
NOTE	1. All parameters NOT specially												
	2. Ripple & noise are measured			•	sted pair-wire te	erminated with	a 0.1uf & 47uf	parallel capaci	tor.				
	 Tolerance : includes set up to Please refer to "DRIVING ME 		•	•									
	5. De-rating may be needed und				TIC CHARACT	ERISTIC" sec	tions for details						
	6. Length of set up time is meas		-										
	7. The driver is considered as a								affected by the				
	complete installation, the final					on the complet	e installation ag	jain.					
	(as available on https://www.m 8 To fulfill requirements of the la					only be used	hehind a owital	a without norm	anently				
	 To fulfill requirements of the la connected to the mains. 	uesi ⊑r⊢ regula	auon ior iigntinį	y lixiures, this l	LED unver car	I UTILY DE USED	Del III IQ A SWITC	i wiii iout perm	anenny				
	9. This series meets the typical I	ife expectancy	of >62,000 ha	ours of operation	on when Tcase	, particularly (to	point (or TMF	, per DLC). is a	about 80℃ or I	ess.			
	10. Please refer to the warranty												
	11. 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(6500ft).												
	12. 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												
	13. For A/AB type need to consider build in using to comply with Type HL application. X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name: HLG-150H-SPEC_2024-10-												
			wrmation nlog	to rotor to http	101/100000 moor	www.com/con/i	WALLICOLOIMOR OC		me:HLG-150H-SF				





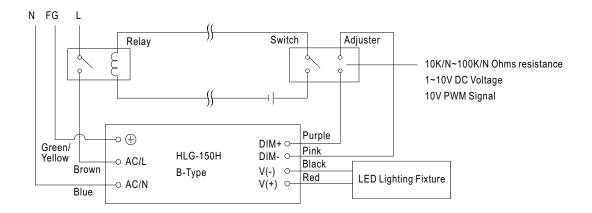






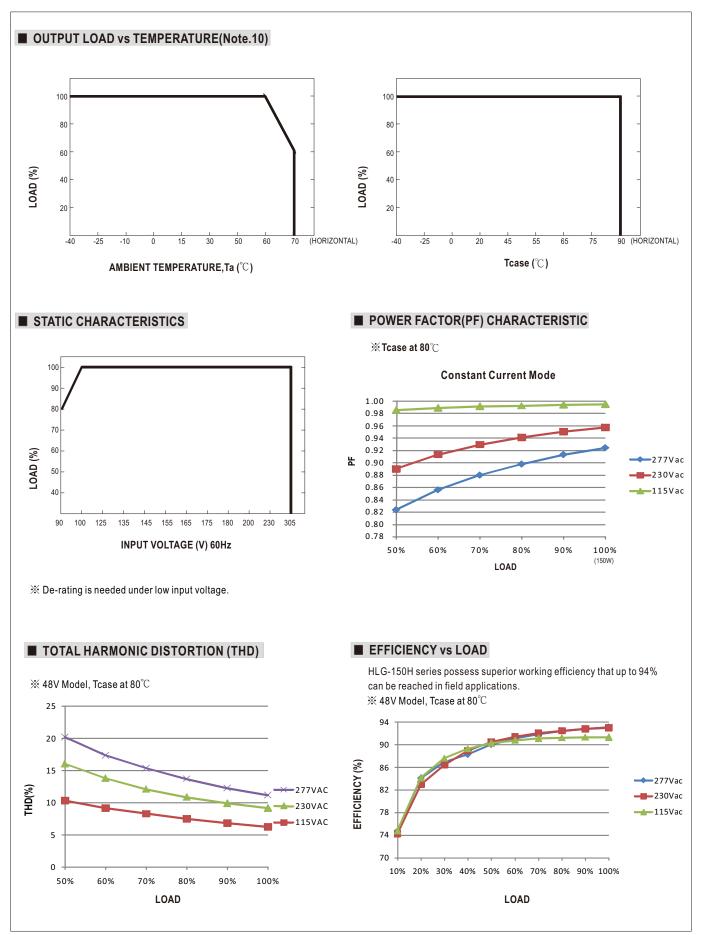
HLG-150H series

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.

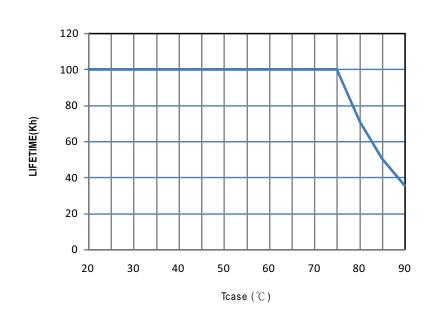




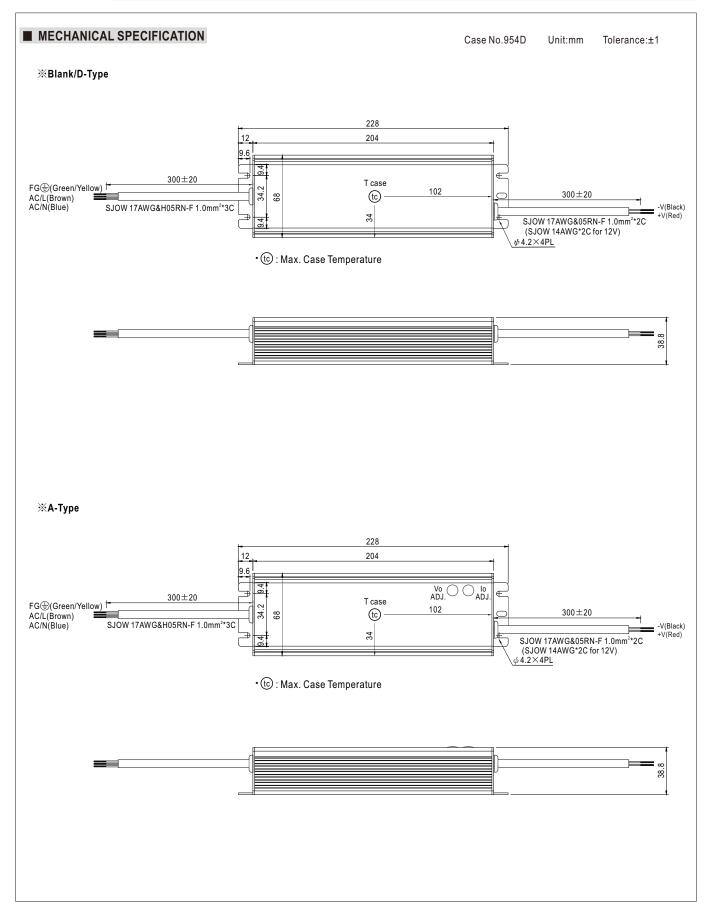


HLG-150H series

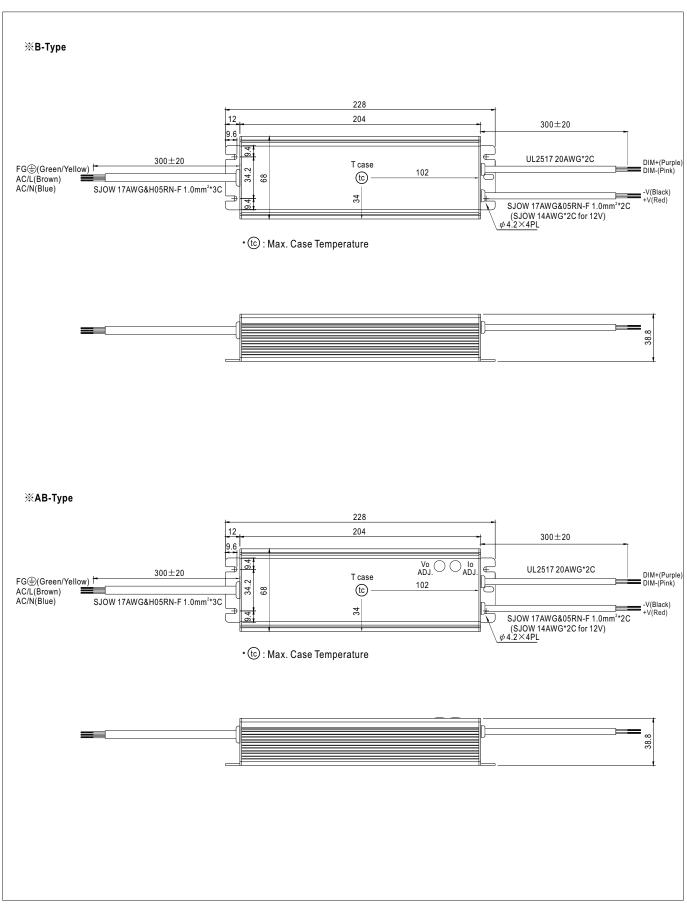
LIFE TIME











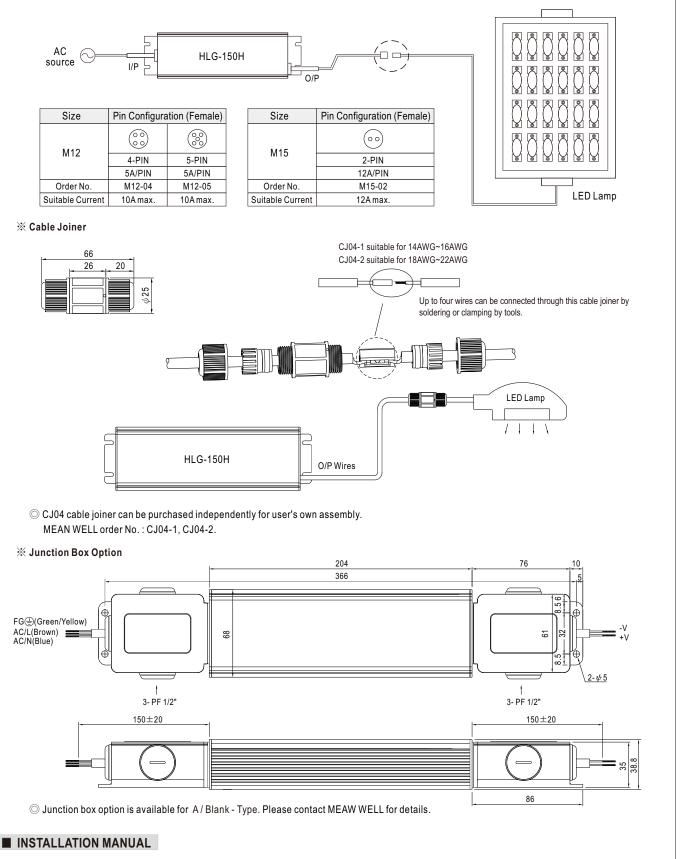


HLG-150H series

WATERPROOF CONNECTION

$\% \ {\rm Waterproof} \ {\rm connector}$

Waterproof connector can be assembled on the output cable of HLG-150H to operate in dry/wet/damp or outdoor environment.



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