







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

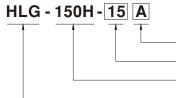
- LED street lighting
- · LED high-bay lighting
- · Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.

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

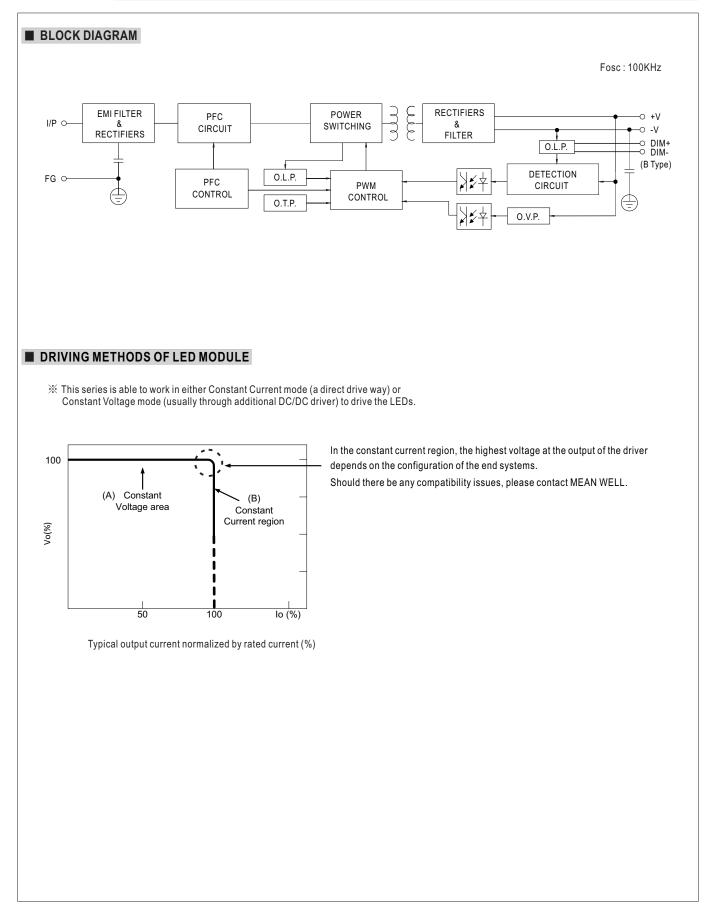
Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc,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



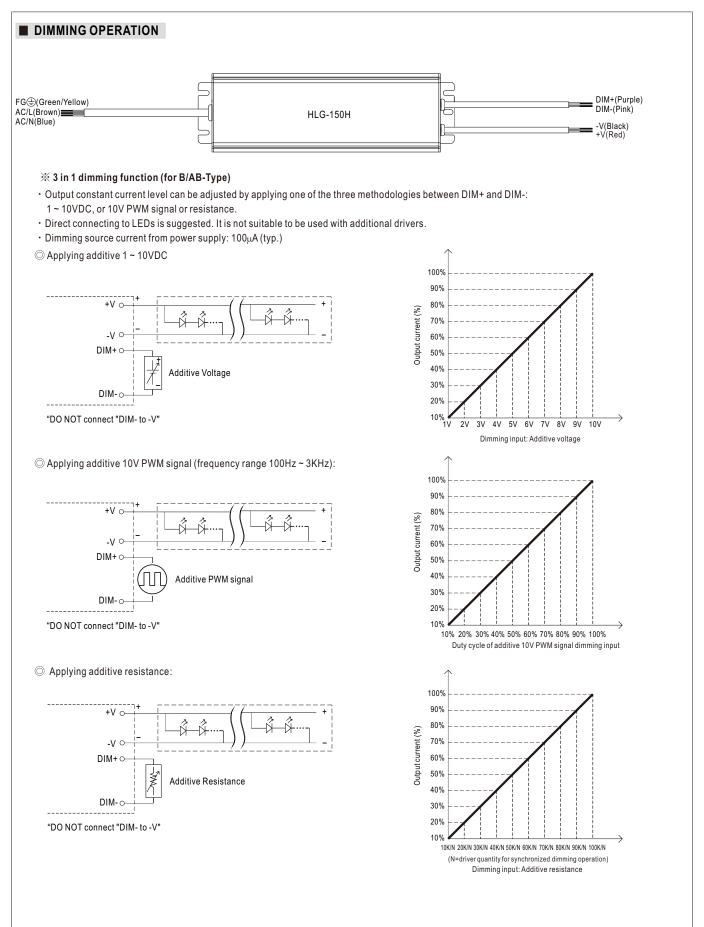
SPECIFICATION

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			
	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			
		Adjustable for A/AB-Type only (via built-in potentiometer)											
	VOLTAGE ADJ. RANGE	Adjustable for AAB- type only (via built-in potentiometer) 10.8 ~ 13.5V 13.5 ~ 17V 17 ~ 22V 22 ~ 27V 27 ~ 33V 33 ~ 40V 38 ~ 46V 43 ~ 53V 49 ~ 58V											
OUTPUT			r A/AB-Type of						10 001	10 001			
	CURRENT ADJ. RANGE	7.5 ~ 12.5A	6~10A	4.5 ~ 7.5A	3.8~6.3A	3~5A	2.5~4.2A	2.16 ~ 3.6A	1.92 ~ 3.2A	1.68 ~ 2.8A			
	VOLTAGE TOLERANCE Note.3	±2.5%	±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%	$\pm 0.5\%$			
							±0.5%	±0.5%					
	LOAD REGULATION	±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	⊥0.5%	10.5%	±0.5%	±0.5%			
		1000ms,200ms/115VAC 500ms,200ms/230VAC											
	HOLD UP TIME (Typ.) 16ms / 115VAC, 230VAC												
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC											
		(Please refer to "STATIC CHARACTERISTIC" section)											
	FREQUENCY RANGE	47 ~ 63Hz											
	POWER FACTOR (Typ.)	PF≧0.98/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC @ full load											
		(Please refer	to "POWER FA	CTOR (PF) CH	ARACTERIST	IC" section)							
	TOTAL HARMONIC DISTORTION	THD< 20% (@ load≧60% / 115VAC,230VAC; @ load≧75% / 277VAC)											
INPUT	TOTAL HARMONIC DISTORTION	(Please refe	r to "TOTAL HA	ARMONIC DIS	TORTION (TH	ID)" section)							
	EFFICIENCY (Typ.)	91.5%	92%	93%	93%	93.5%	93.5%	94%	94%	94%			
	AC CURRENT (Typ.)	1.7A / 115VA	C 0.75A/	230VAC ().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				· · · / · · · · · · · · · · · · · · · ·	,, _							
	CIRCUIT BREAKER	4 units (circui	t breaker of typ	oe B) / 7 units (circuit breaker	of type C) at 2	230VAC						
	LEAKAGE CURRENT	<0.75m \ / 277 \ /A C											
	LEARAGE CORRENT	<0.75mA/277VAC											
	OVER CURRENT	95 ~ 108% Constant current limiting, recovers automatically after fault condition is removed											
PROTECTION	SHORT CIRCUIT	Constant curr	ent limiting, re		-		removed						
PROTECTION		14 ~ 17V	18~21V	23~27V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 53V	54 ~ 63V	59~65V			
	OVER VOLTAGE	Shut down o/	p voltage with a	auto-recovery c	or re-power on	to recovery							
	OVER TEMPERATURE	Shut down o/	p voltage, reco	vers automatic	ally after temp	erature goes d	own						
ENVIRONMENT	WORKING TEMP. Tcase= -40 ~ +90°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												
	STORAGE TEMP, HOMIDITY -40~+80 C, 10~95% RH TEMP. COEFFICIENT ±0.03%/°C (0~60°C)												
	VIBRATION		5G 12min./1cyc	le period for	72min each al	ong X V Z ave	20						
			• • •										
		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/											
	SAFETY STANDARDS	NZS 61347-2-13(except for AB-type) independent;GB19510.1,GB19510.14(except for D-type);IP65 or IP67; J61347-1, J61347-2-1											
		(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											
SAFETY &	WITHSTAND VOLTAGE		KVAC I/P-F										
EMC	ISOLATION RESISTANCE		G, O/P-FG:10										
	EMC EMISSION								(@ load≧60%);			
						,		SC 9815(excep					
	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(except for D-type)											
		2176.1K hrs min. Telcordia SR-332(Bellcore); 166.4K hrs min. MIL-HDBK-217F (25°C)											
OTHERS	MTBF			lia SR-332(Be	elicore); 16	6.4K hrs min	. MIL-HDBK-	217F (25°C)					
	DIMENSION	228*68*38.8r											
	PACKING	1.15Kg; 12pc	s/14.8Kg/0.8Cl	JFT									
NOTE	1. All parameters NOT specially												
NOTE	2. Ripple & noise are measured			•	•	e terminated w	ith a 0.1uf & 4	7uf parallel ca	pacitor.				
	3. Tolerance : includes set up to		•	•	۱.								
	4. Please refer to "DRIVING M						octions for dat	oile					
	5. De-rating may be needed ur6. Length of set up time is mea		•										
	7. The driver is considered as a			•					be affected by	the			
	complete installation, the fina									-			
	(as available on https://www.r							-					
	8. To fulfill requirements of the			_	/	an only be us	ed behind a sv	witch without p	ermanently				
	connected to the mains.			•			~						
	9. This series meets the typical	•					tc) point (or 1	TMP, per DLC)	, is about 80℃	or less.			
	10. Please refer to the warranty				•					000 (0===			
	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												
		X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:HLG-150H-SPEC 2024-07-1											





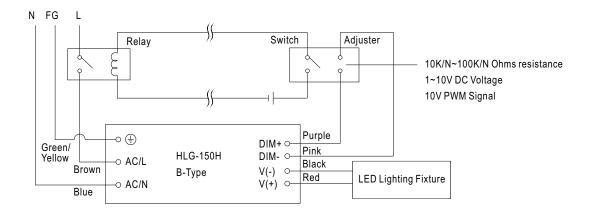






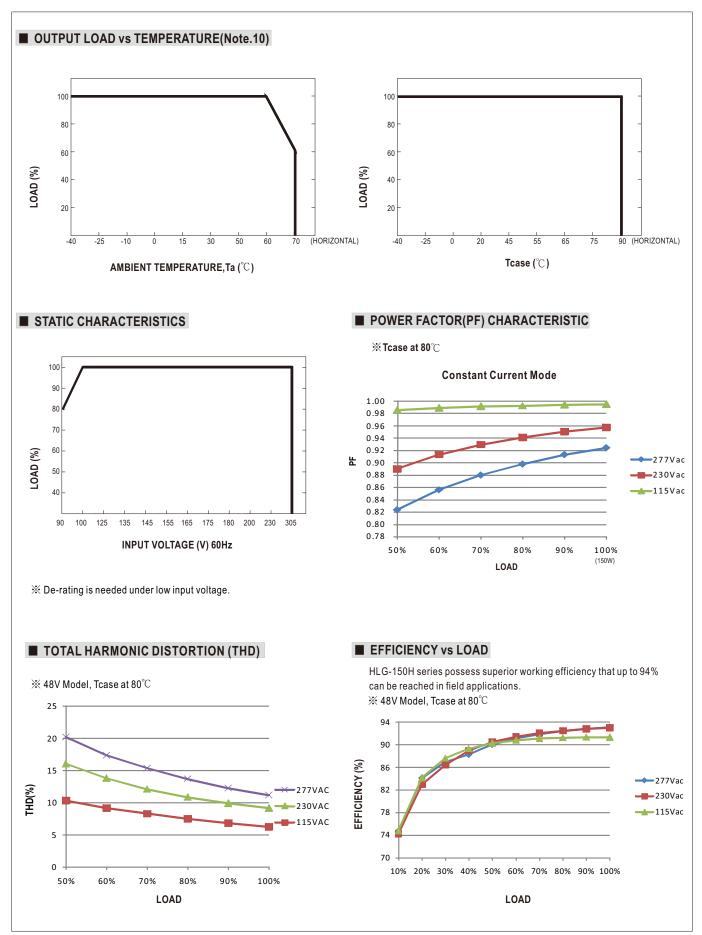
HLG-150H series

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.

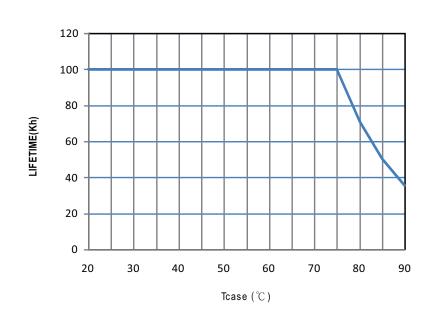




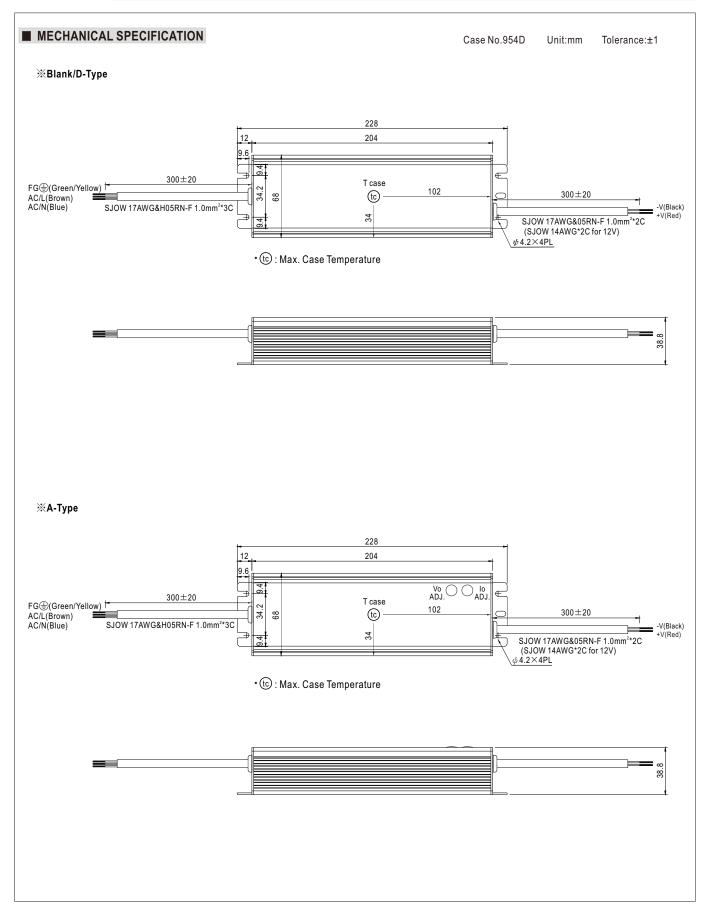


HLG-150H series

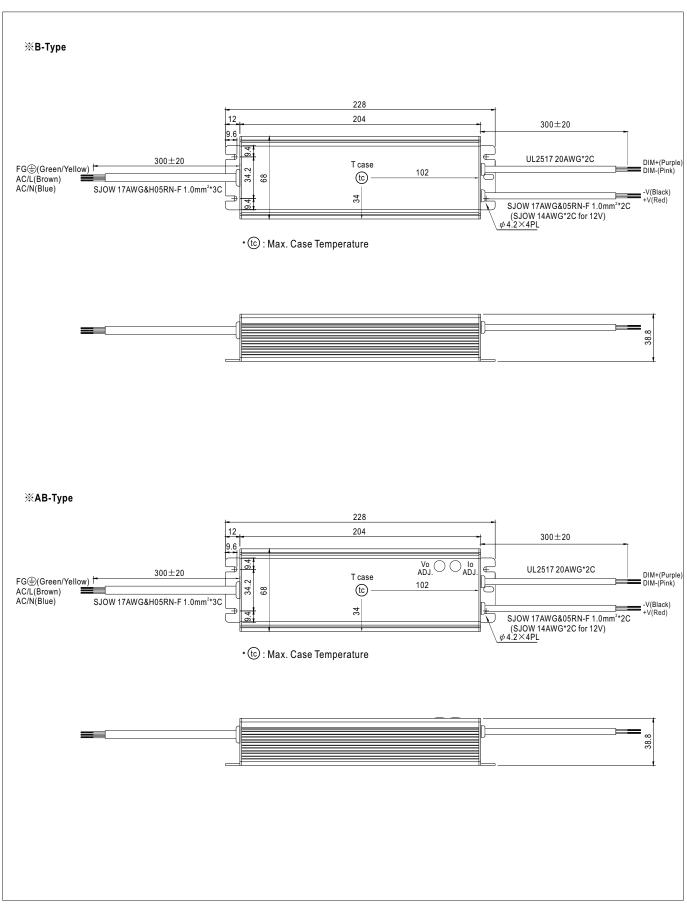
LIFE TIME













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.

