







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

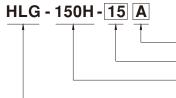
- LED street lighting
- · LED high-bay lighting
- · Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.

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

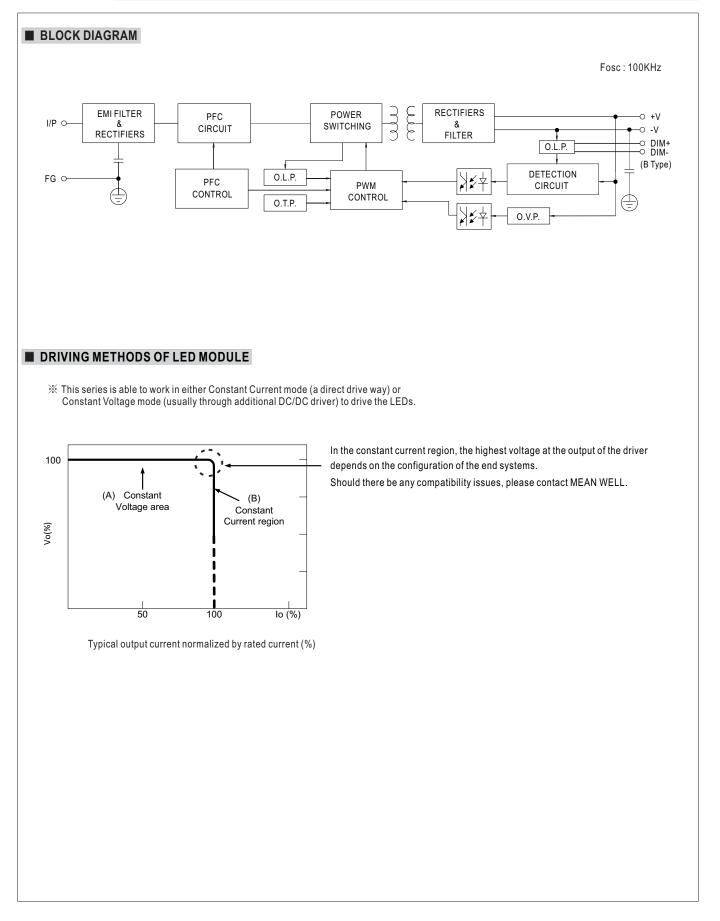
Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc,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



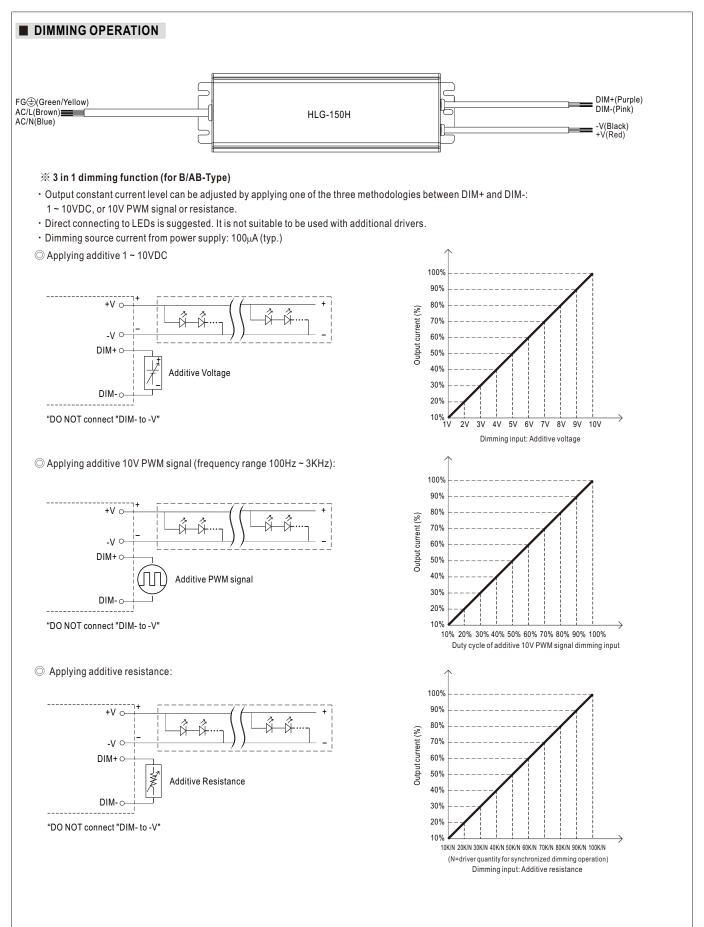
SPECIFICATION

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		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 fo	r A/AB-Type o	nly (via built-ir	npotentiomete	er)						
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V 13.5 ~ 17V 17 ~ 22V 22 ~ 27V 27 ~ 33V 33 ~ 40V 38 ~ 46V 43 ~ 53V 49 ~ 58V										
	CURRENT ADJ. RANGE	Adjustable fo	r A/AB-Type o	nly (via built-ir	n potentiomete	er)						
	CORRENT 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 ~ 2.8		
	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%	$\pm 0.5\%$	±0.5%	$\pm 0.5\%$	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
			±0.5%	±0.0%								
	LOAD REGULATION	±2.0%			±0.5%	±0.5%	±0.5%	±0.5%	±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											
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)										
	FREQUENCY RANGE 47 ~ 63Hz											
	FREQUENCY KANGE 4/ ~ 63H2 PF≥0.98/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC @ full load											
	POWER FACTOR (Typ.)		,	,		Ŭ						
				. ,		,	0)					
	TOTAL HARMONIC DISTORTION		0			≧75% / 277VA	(U)					
INPUT		`			TORTION (TH	1						
	EFFICIENCY (Typ.)	91.5%	92%	93%	93%	93.5%	93.5%	94%	94%	94%		
	AC CURRENT (Typ.)	1.7A / 115VA	0.75A/	230VAC	0.7A/277VAC							
	INRUSH CURRENT (Typ.)	COLD START	65A(twidth=425	jus measured a	t 50% Ipeak) at 2	230VAC; Per NI	EMA 410					
	MAX. No. of PSUs on 16A											
	CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC										
		<0.75mA/27	7\/AC									
	LEAKAGE CURRENT		IVAC									
PROTECTION	OVER CURRENT	95 ~ 108%										
		Constant curr	ent limiting, re	covers automa	tically after fau	It condition is r	emoved					
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed										
		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 auto-recovery or re-power on to recovery										
	OVER TEMPERATURE Note.9					erature goes do	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										
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)										
	VIBRATION		,	la pariad for	72min each al	ong X V Zavo	.e					
	VIDICATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes										
		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-										
		(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	I/P-O/P:3.75	KVAC I/P-F	G:2KVAC O	/P-FG:1.5KVA	C						
EMC	ISOLATION RESISTANCE	I/P-O/P. I/P-F	G, O/P-FG:10	00M Ohms / 50	0VDC/25°C/	70% RH						
LING		,	,				SEN/EN6100	0-3-2 Class C	(@ load≧60%).		
	EMC EMISSION					r D-type), EAC				/ ,		
										inity		
	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)										
	MTRE			<i>/</i> ·		· ·	,	217E (25°C)				
OTHERS	MTBF			iid SK-332(B6	encore); 16	6.4K hrs min.	WIL-HUBK-2	217 (20 0)				
	DIMENSION	228*68*38.8r										
	PACKING	1.15Kg; 12pc	s/14.8Kg/0.8Cl	UFT								
NOTE	 Ripple & noise are measured Tolerance : includes set up tol Please refer to "DRIVING ME" De-rating may be needed und Length of set up time is meas The driver is considered as a complete installation, the final (as available on https://www.m To fulfill requirements of the la connected to the mains. For OTP which triggered at lig This series meets the typical 	erance, line reg THODS OF LE er low input vol ured at first colo component that equipment mar eanwell.com//Up test ErP regulat ht load/no load life expectancy	ulation and load D MODULE". tages. Please r d start. Turning will be operate ufacturers mus oload/PDF/EMI ion for lighting f condition, proc of >62,000 hot	d regulation. efer to "STATIC ON/OFF the dr d in combination tre-qualify EM _statement_en fixtures, this LE eed AC repower urs of operation	C CHARACTER river may lead to on with final equing C Directive on the pdf) D driver can or er on to recover	RISTIC" sections to increase of th uipment. Since the complete in hly be used beh ry. particularly (tc) p	s for details. he set up time. EMC performan stallation again. hind a switch wi	nce will be affect	ntly			





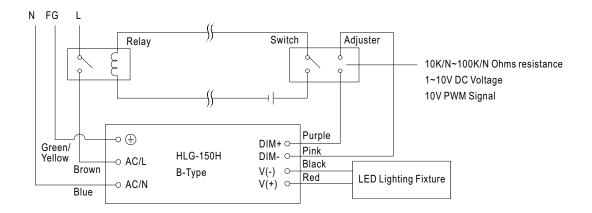






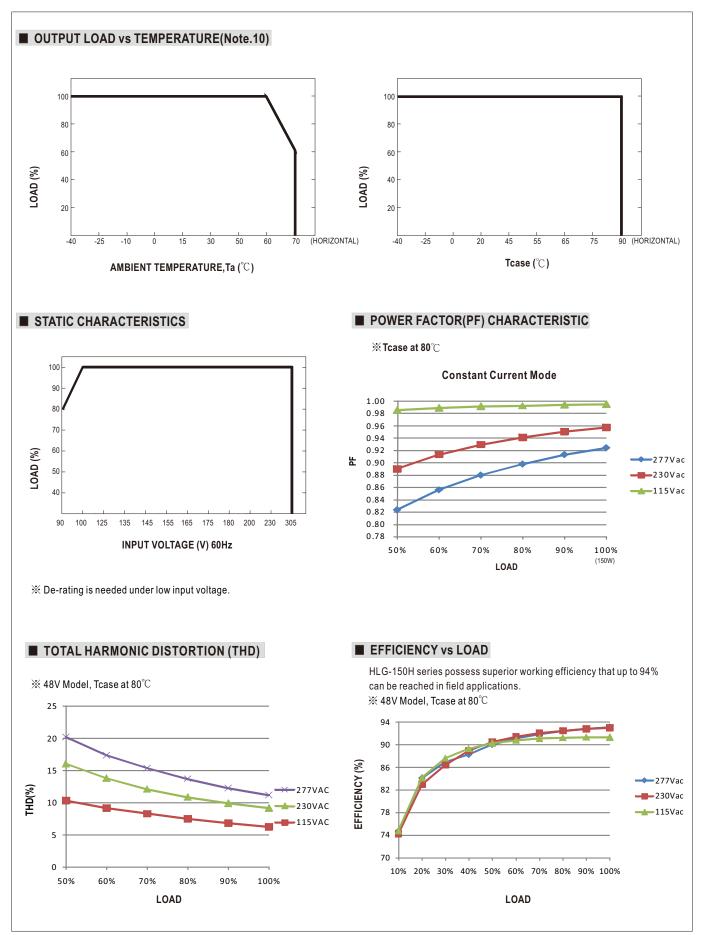
HLG-150H series

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.

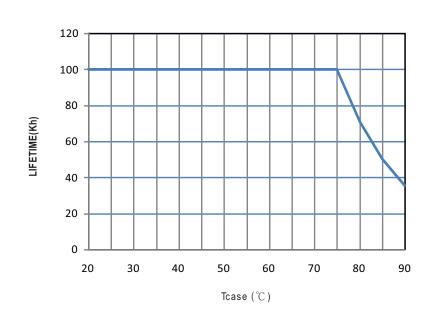




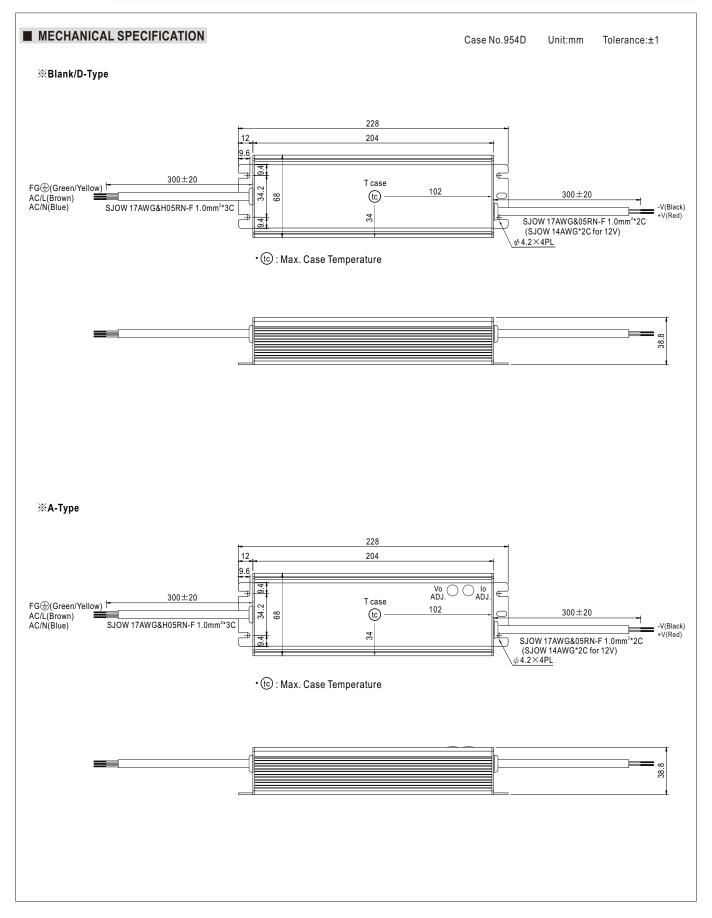


HLG-150H series

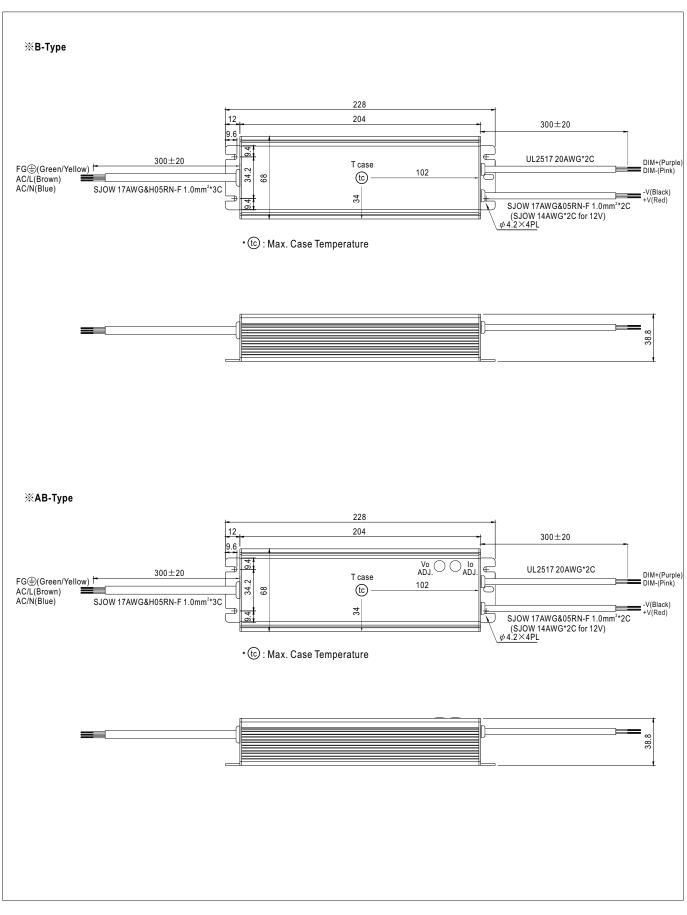
LIFE TIME











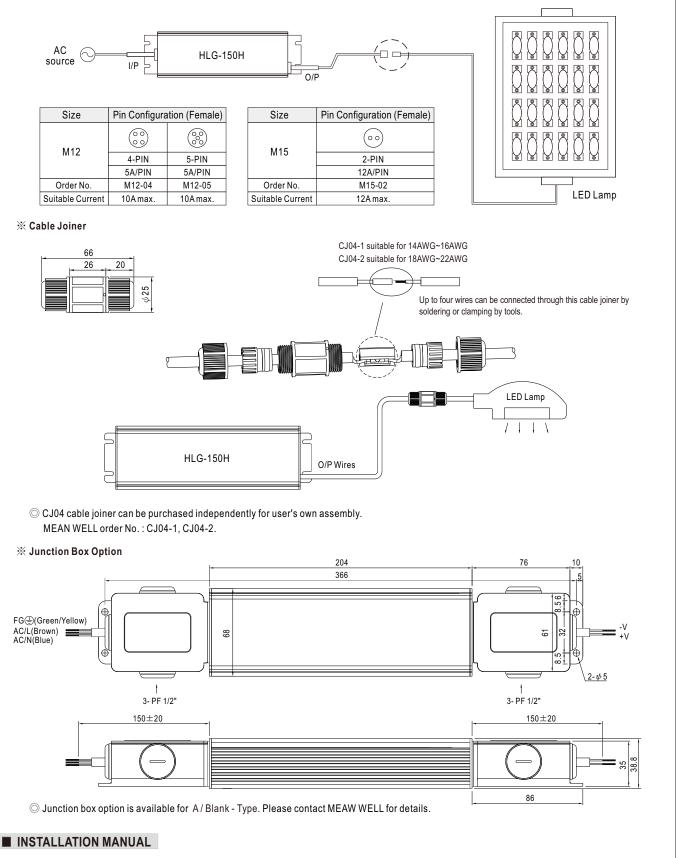


HLG-150H series

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