



150W Constant Voltage + Constant Current LED Driver

HLG-150H series











Features

- . Constant Voltage + Constant Current mode output
- · Metal housing with class 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

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.

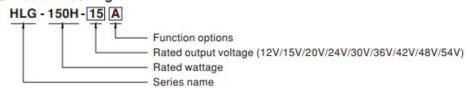
GTIN CODE

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

Description

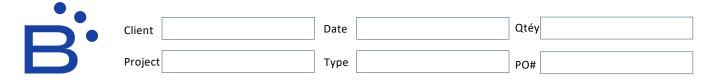
HLG-150H series is a 150W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-150H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40°C ~ +90°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



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
Α	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







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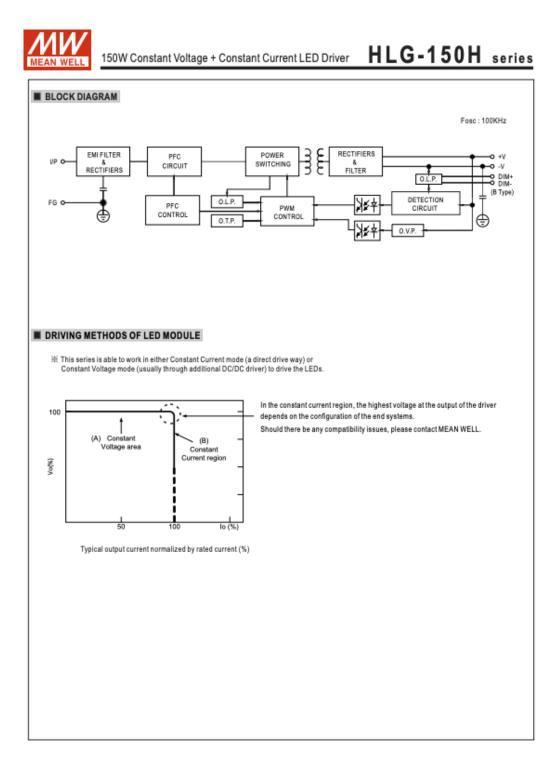
HLG-150H series

SPECIFICATION

MODEL		HLG-150H-12	HI C. 180H. 18	NI C. SON 20	HIC ISSUAN	HI C. 150H 30	HLG-150H-36	HICASH OF	HI C. 150H. 48	NI C 1504 SI			
MODEL	DC WOLTAGE			_	_	_	_	_	_	1			
	DC VOLTAGE CONSTANT CURRENT REGION Note 4	12V 6~12V	15V 7.5 ~ 15V	20V 10 ~ 20V	24V 12~24V	30V 15 ~ 30V	36V 18 ~ 36V	42V 21 ~ 42V	48V 24 ~ 48V	54V 27 ~ 54V			
		- 121											
	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	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p			
	VOLTAGE ADJ. RANGE	Adjustable fo	rA/AB-Type o	nly (via built-ir	potentiomete								
OUTPUT	TOLINGE ADS. NAMOL	10.8 ~ 13.5V	13.5 ~ 17V	17~22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V			
OUIFUI	CURRENT AR L RAMOF	Adjustable fo	rA/AB-Type o	nly (via built-ir	potentiomete	er)							
	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 ~ 2.8			
	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,200ms/115VAC 500ms,200ms/230VAC											
	HOLD UP TIME (Typ.)	16ms / 115VA	C, 230VAC										
	VOLTAGE RANGE Note.5	90 ~ 305VAC	127 ~ 431	IVDC									
	VOLTAGE RANGE Note.5	(Please refer	o "STATIC CH	ARACTERIST	C" section)								
	FREQUENCY RANGE	47 ~ 63Hz											
		PE≥0 98/115VAC PE≥0 95/230VAC PE≥0 92/277VAC @ full load											
	POWER FACTOR (Typ.)			CTOR (PF) CH									
							01						
	TOTAL HARMONIC DISTORTION		_	115VAC,230			C)						
INPUT				RMONIC DIS									
	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(bide=425/s measured at 50% (paik) at 230VAC; Per NEMA 410											
	MAX. No. of PSUs on 16A	The second secon											
	CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC											
	LEAKAGE CURRENT	<0.75mA/27	/VAC										
	OVER CURRENT	95~108%											
	OVER GORILLA	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											
	OVER VOLTAGE	Shut down o/p voltage with auto-recovery or re-power on to recovery											
	OVER TEMPERATURE Note.9	g Shut down of p voltage, recovers automatically after temperature goes down Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)											
	WORKING TEMP.			e refer to "OU"	TPUT LOAD v	TEMPERATI	JRE" section)						
	MAX. CASE TEMP.	Tcase=+90°C											
	WORKING HUMIDITY	20 ~ 95% RM non-condensing											
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT	+0.03%/3C/	0 ~ 60°C)										
	VIBRATION	±0.03%**C (0 ~ 60*C)											
	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, J61347-2-1											
		(except for D-type), BIS Is15885(for A,B type only), EAC TP TC 004; KC81347-1, KC81347-2-13(except for D-type) approved											
SAFETY &	WITHSTAND VOLTAGE	NP-O/P:3.75KVAC NP-FG:2KVAC O/P-FG:1.5KVAC											
EMC	ISOLATION RESISTANCE			00M Ohms / 50									
							S ENVENES	0.3.2 Class C	(R) Inad > ROW	1.			
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class C (@ load ≥ BS EN/EN61000-3-3, GB/T 17743 , GB17625.1(except for D-type), EAC TP TC 020, KSC 9815(except for D-type)											
		Compliance to BS EN/EN81000-4-2,3,4,5,6,8,11, BS EN/EN81547, BS EN/EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020, KSC 9547(except for D-type)											
	EMC IMMUNITY							347E /36°C's					
			min Tolograf	In CD 222/D.		G AW hon min		1/1/1/2010					
OTHERS	MTBF	2176.1K hrs	min. Telcord	ia SR-332(Be	elicore); 16	6.4K hrs min.	MILTIDOR'S						
OTHERS		2176.1K hrs 228*68*38.8n	ım		ellcore); 16	6.4K hrs min.	MILTIDOR'S	1 1					
OTHERS	MTBF DIMENSION PACKING	2176.1K hrs 228*68*38.8n 1.15Kg; 12pc	ım s/14.8Kg/0.8Cl	JFT									
	MTBF DIMENSION PACKING 1. All parameters NOT specially	2176.1K hrs 228*68*38.8n 1.15Kg; 12pc mentioned are	nm s/14.8Kg/0.8Cl neasured at 23	JFT IOVAC input, rai	ted current and	25°C of ambio	ent temperature						
	MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Ripple & noise are measured	2176.1K hrs 228*68*38.8r 1.15Kg; 12pc mentioned are at 20MHz of ba	nm s/14.8Kg/0.8Cl measured at 23 ndwidth by usik	UFT IOVAC input, raing a 12" twister	ted current and	25°C of ambio	ent temperature						
	MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Ripple & noise are measured 3. Tolerance: includes set up tole	2176.1K hrs 228*68*38.8r 1.15Kg; 12pc mentioned are at 20MHz of ba erance, line reg	nm s/14.8Kg/0.8Cl neasured at 23 ndwidth by usit ulation and load	UFT IOVAC input, raing a 12" twister	ted current and	25°C of ambio	ent temperature						
	MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Ripple & noise are measured 3. Tolerance: includes set up tol 4. Please refer to "DRIVING ME 5. De-ratin may be needed."	2176.1K hrs 228*68*38.8n 1.15Kg; 12pc mentioned are at 20MHz of ba erance, line reg THODS OF LE fer low input vol	nm s/14.8Kg/0.8Cl neasured at 23 ndwidth by usic ulation and load D MODULE*. tages. Please n	UFT IOVAC input, rang a 12" twister of regulation.	ted current and d pair-wire term	25°C of ambig inated with a 0.	ent temperature ful & 47uf para						
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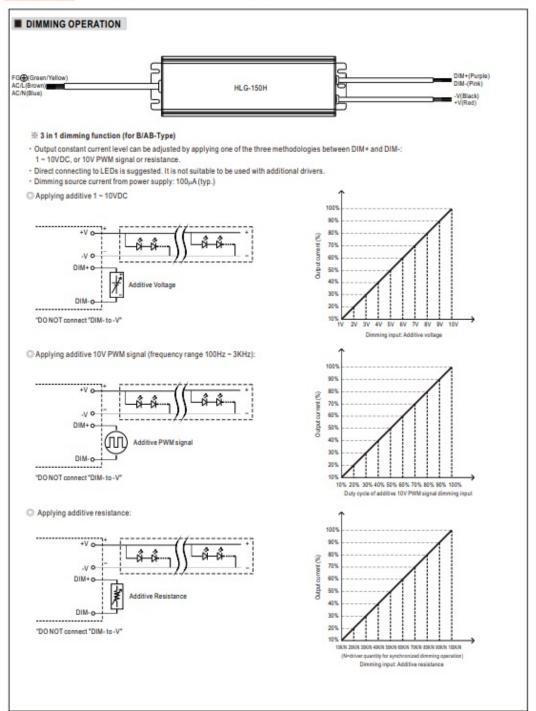


Client	Date	Qty	
	-		
Project	Type	₽∩#	



150W Constant Voltage + Constant Current LED Driver

HLG-150H series

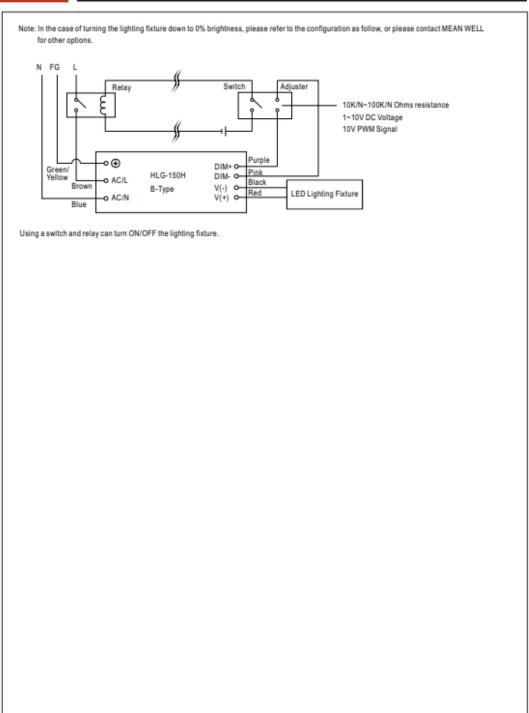






150W Constant Voltage + Constant Current LED Driver

HLG-150H series







MEAN WELL	150W Constant Voltage + Constant	nt Current LED Driver	HLG-150H	series
■ OUTPUT LO	AD vs TEMPERATURE(Note.10)			
100 80 60 40 20	5 -10 0 15 30 50 60 70 0 AMBIENT TEMPERATURE, Ta (°C)	100 80 80 80 40 20 HORIZONTAL) 40 -25 0	20 45 55 85 75 9 Tcase (°C)	6 (HORIZONTAL)
■ STATIC CHA	RACTERISTICS	■ POWER FACTOR	R(PF) CHARACTERISTIC	
70		% Tcase at 80 ℃		
90 100 12	25 135 145 155 165 175 180 200 230 305 INPUT VOLTAGE (V) 60Hz eeded under low input voltage.	1.00 0.98 0.96 0.94 0.92 0.90 0.88 0.86 0.84 0.82 0.80	70% 80% 90% 100% LOAD (150W)	277Vac 230Vac
※ 48V Model, To	277 230 115 10% 70% 80% 90% 100%	vac	ssess superior working efficiency that u d applications. at 80°C	277Vac → 230Vac → 115Vac
	LOAD		LOAD	



MEAN WELL	150	W Const	tant Vol	tage + Co	onstant	Current	LED Dr	iver	HL	G-1	50H	series
■ LIFE TIME		120 —										
		100	+	+	H				\mathbb{H}			
	LIFETIME(Kh)	80 -		\parallel				X				
	LIFETI	40	+	+	+							
		20										
		20	30	40	50 Tcas	60 e (℃)	70	80	90			





