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- 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.

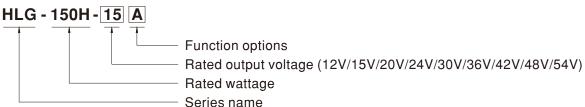
GTIN CODE

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 $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$ 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



SPECIFICATION

	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		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	
				150mVp-p			200mVp-p		200mVp-p	
VOLTAGE ADJ. RANGE				·	· ·	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V	
						100	111	1.0 001	1.0 001	
CURRENT ADJ. RANGE	<u> </u>		· ` ` · · · · · · · · · · · · · · · · ·	r.	· ·	25~42A	2 16 ~ 3 6A	1 92 ~ 3 2A	1.68 ~ 2.8	
VOLTAGE TOLERANCE Note 3					1				±1.0%	
									±0.5%	
									±0.5%	
			l .			± 0.0 /0	-0.070	±0.570	1 - 0.5 /6	
•										
HOLD OF TIME (Typ.)										
VOLTAGE RANGE Note.5										
	(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									
	,		. ,		,					
TOTAL HARMONIC DISTORTION	THD<20% (@ load≥60% / 115VAC,230VAC; @ load≥75% / 277VAC)									
	(Please refer	to "TOTAL HA	RMONIC DIS	TORTION (TH	ID)" section)					
EFFICIENCY (Typ.)	91.5%	92%	93%	93%	93.5%	93.5%	94%	94%	94%	
AC CURRENT (Typ.)	1.7A / 115VAC	0.75A/	230VAC (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 CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC									
LEAKAGE CURRENT	<0.75mA/277VAC									
OVER CURRENT										
SHORT CIRCUIT										
			ı				47 ~ 53V	54 ~ 63V	59 ~ 65V	
OVER VOLTAGE						111 101		0. 001	00 001	
OVED TEMPERATURE										
			IPUI LUAD V	SIEWPERAIL	JRE Section)					
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VIRKALION			•							
	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),									
SAFETY STANDARDS	AS/NZS 61347-2-13(except for AB-type) independent; GB19510.1, GB19510.14; IP65 or IP67; J61347-1, J61347-2-13(except for B									
WITHSTAND VOLTAGE	I/P-O/P:3.75	KVAC I/P-F	G:2KVAC O	P-FG:1.5KVA	iC .					
ISOLATION RESISTANCE	,									
EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class C (@ load ≧ 60%) ; BS EN/EN61000-3-3,GB17743 and GB17625.1, EAC TP TC 020								o);	
	$\label{lem:compliance} Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, 11, BS EN/EN61547, BS EN/EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020$							unity		
EMC IMMUNITY			(V), EAC TP T	C 020						
EMC IMMUNITY MTBF	Line-Earth 4K	V, Line-Line 2	**		6.4K hrs min.	MIL-HDBK-2	217F (25°C)			
	Line-Earth 4K	V, Line-Line 21 min. Telcord	**		6.4K hrs min.	MIL-HDBK-2	217F (25°C)			
	CONSTANT CURRENT REGION Note.4 RATED CURRENT RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE CURRENT ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME Note.6 HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT OVER CURRENT SHORT CIRCUIT OVER VOLTAGE OVER TEMPERATURE WORKING HUMIDITY STORAGE TEMP. WORKING HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	DC VOLTAGE CONSTANT CURRENT REGION Note.4 RATED CURRENT RATED POWER RIPPLE & NOISE (max.) Note.2 150mVp-p VOLTAGE ADJ. RANGE CURRENT ADJ. RANGE CURRENT ADJ. RANGE CURRENT ADJ. RANGE CURRENT ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME NOTE.5 NOTE.5 FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) AC CURRENT (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) AC CURRENT (Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT OVER CURRENT SHORT CIRCUIT OVER CURRENT OVER CURRENT SHORT CIRCUIT OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TORAGE TEMP, HUMIDITY TORAGE TEMP, HUMIDITY SAFETY STANDARDS WITHSTAND VOLTAGE IIP-O/P, I/P-F WITHSTAND VOLTAGE III 12V Adjustable for 10.25M Adjustable for 10.25M Adjustable for 10.25M Adjustable for 10.26M ADS 13.5V ADS 13.5V ADS 10.25M AD	DC VOLTAGE	DC VOLTAGE 12V	DC VOLTAGE 12V 15V 20V 24V 24V 24	DC VOLTAGE 12V	DC VOLTAGE 12V	DC VOLTAGE 12V 15V 20V 24V 30V 36V 42V 24V 20V 24V 30V 36V 36V 24V 24	DC VOLTAGE 12V	

NOTE

- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. Please refer to "DRIVING METHODS OF LED MODULE".
- 5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 80 ℃ or less.
- 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.
- 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
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx