

**Alimentatore 24V 150 W IP67 B-HLG**

**Cod. 112173**

Alimentatore adatto ad installazioni in esterno.  
Corpo in ABS  
Classi di protezione II e F  
Funzione dimmer 1-10 Vdc, 10V PWM



**Caratteristiche tecniche**

**W** potenza  
150 W

**A** corrente  
6,3 A

**protezione**  
IP67

**applicazione**  
esterno

**V<sub>in</sub>** tensione Ingresso  
100-240 Vac

**V<sub>out</sub>** tensione Uscita  
24 V

**Caratteristiche geometriche**

**Dimensioni (mm)**  
(228 x 68 x 39)



Le immagini del prodotto sono di riferimento  
Tutte le indicazioni riportate non sono vincolanti e possono essere soggette a modifiche, anche senza preavviso.



■ Features :

- Universal AC input I Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 94%
- Protections: Short circuit I Over current I Over voltage I Over temperature
- Cooling by free air convection
- OCP point adjustable through output cable or internal potentiometer
- IP67 I IP65 design for indoor or outdoor installations
- Three in one dimming function (1-10Vdc or PWM signal or resistance)
- Suitable for LED lighting and street lighting applications
- Compliance to worldwide safety regulations for lighting
- Suitable for dry I damp I wet locations
- Type "HL" for use in class I , Division 2 hazardous(Classified) location luminaires
- 7 years warranty (Note.10)



HLG-150H-12 A Blank : IP67 rated. Cable for I/O connection.  
 A : IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.  
**B : IP67 rated. Constant current level adjustable through output cable with 1-10Vdc or 10V PWM signal or resistance.**

**SPECIFICATION**

MODEL	HLG-150H-12	HLG-150H-15	HLG-150H-20	HLG-150H-24 B	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	
VOLTAGE ADJ. RANGE Note.6	10.8~13.5V	13.5~17V	17~22V	22~27V	27~33V	33~40V	38~46V	43~53V	49~58V	
OUTPUT	CURRENT ADJ. RANGE Can be adjusted by internal potentiometer A type only									
	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%	
	LINE REGULATION	±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%	
	SETUP, RISE TIME Note.8	1000ms,50ms/115VAC		500ms,50ms/230VAC at full load ; B type 1000ms,200ms/115VAC		500ms,200ms/230VAC at 95% load				
	HOLD UP TIME (Typ.)	16ms at full load 230VAC / 115VAC								
INPUT	VOLTAGE RANGE Note.5	90~305VAC		127~431VDC						
	FREQUENCY RANGE	47~63Hz								
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.92/277VAC at full load (Please refer to "Power Factor Characteristic" curve)								
	TOTAL HARMONIC DISTORTION	THD<20% when output loading ≧ 60% at 115VAC/230VAC input and output loading ≧ 75% at 277VAC input								
	EFFICIENCY (Typ.)	91.5%	92%	93%	93%	93.5%	93.5%	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% Ipeak) at 230VAC								
	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								
PROTECTION	OVER CURRENT	95~108% Protection type : Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed								
	OVER VOLTAGE	14~17V	18~21V	23~27V	28~34V	34~38V	41~46V	47~53V	54~63V	59~65V
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down								
ENVIRONMENT	WORKING TEMP.	-40~+70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20~95% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40~+80°C, 10~95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS Note.7	UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent IP65 or IP67, J61347-1, J61347-2-13 approved ; design refer to UL60950-1, TUV EN60950-1								
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC		I/P-FG:2KVAC		O/P-FG:1.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≧60% load) ; EN61000-3-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 4KV), criteria A								
OTHERS	MTBF	192.2K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	228*68*38.8mm								
	PACKING	1.15Kg; 12pcs/14.8Kg/0.8CUFT								

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
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. Derating may be needed under low input voltages. Please check the static characteristics for more details.
6. A type only.
7. Safety and EMC design refer to EN60598-1, subject 8750(UL), CNS15233, GB7000.1, FCC part18.
8. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.
9. The power supply 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.
10. Refer to warranty statement.
11. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.