



## Features :

- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- OCP point adjustable through output cable or internal potentiometer
- IP67 / IP65 design for indoor or outdoor installations
- Type HL LED Driver for use in Class II, Division 2 hazardous location luminaires
- 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 / damp / wet locations
- 1 year warranty



HLG-240H-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.  
C : Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.  
D (option, safety pending) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

## SPECIFICATION

MODEL	HLG-240H-12	HLG-240H-15	HLG-240H-20	HLG-240H-24	HLG-240H-30	HLG-240H-36	HLG-240H-42	HLG-240H-48	HLG-240H-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	16A	15A	12A	10A	8A	6.7A	5.72A	5A	4.45A
RATED POWER	192W	225W	240W	240W	240W	241.2W	240.24W	240W	240.3W
RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p
VOLTAGE ADJ. RANGE Note.6	11.2 ~ 12.8V	14 ~ 16V	18.6 ~ 21.4V	22.4 ~ 25.6V	28 ~ 32V	33.5 ~ 38.5V	39 ~ 45V	44.8 ~ 51.2V	50 ~ 57V
CURRENT ADJ. RANGE	Can be adjusted by internal potentiometer A type and C type only								
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%	± 0.5%
LOAD REGULATION Note.8	± 2.0%	± 1.5%	± 1.0%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
SETUP, RISE TIME Note.9	1000ms, 80ms/115VAC 500ms, 80ms/230VAC at full load								
HOLD UP TIME (Typ.)	15ms at full load 230VAC / 115VAC								
VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC								
FREQUENCY RANGE	47 ~ 63Hz								
POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC at full load (Please refer to "Power Factor Characteristic" curve)								
TOTAL HARMONIC DISTORTION	THD<20% when output loading 50% at 115VAC/230VAC input and output loading 75% at 277VAC input								
EFFICIENCY (Typ.)	90%	90%	91.5%	92.5%	92.5%	92.5%	92.5%	93%	93.5%
AC CURRENT (Typ.)	4A / 115VAC 2A / 230VAC 1.2A / 277VAC								
INRUSH CURRENT (Typ.)	COLD START 75A (t <sub>width</sub> =57μs measured at 50% I <sub>peak</sub> ) at 230VAC								
MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 4 units (circuit breaker of type C) at 230VAC								
LEAKAGE CURRENT	<0.75mA / 277VAC								
OVER CURRENT Note.4	95 ~ 108% Protection type : Constant current limiting, recovers automatically after fault condition is removed								
SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
OVER VOLTAGE	13.5 ~ 18V	17.5 ~ 21.5V	23.5 ~ 27.5V	27 ~ 34V	33 ~ 39V	43 ~ 49V	48 ~ 54V	55 ~ 63V	60 ~ 67V
OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down								
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 STANDARDS Note.7	UL1012, CAN/CSA-C22.2 No. 107.1-01, UL8750, CSA C22.2 No. 250.0-08, TUV EN61347-1, EN61347-2-13 independent (except for HLG-240H C type), UL60950-1, UL8750, TUV EN60950-1, IP65 or IP67, J61347-1, J61347-2-13 approved								
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 (50% 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 B								
MTBF	207.9K hrs min. MIL-HDBK-217F (25°C)								
DIMENSION	244.2*68*38.8mm (L*W*H) (HLG-240H-Blank/A/B) 251*68*38.8mm (L*W*H) (HLG-240H-C)								
PACKING	1.3Kg; 12pcs/16.6Kg/0.84CUFT (HLG-240-Blank/A/B) 1.23Kg; 12pcs/15.8Kg/1.16CUFT (HLG-240-C)								
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 0.1μF & 47μF 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 and C 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.								