

# 承認図

MEAN WELL HLG-150H-12

LED 専用電源



- Features :
- Universal AC input / Full range (up to 305VAC)
  - Built-in active PFC function
  - High efficiency up to 94%
  - 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
  - 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
  - 5 years warranty (Note.10)

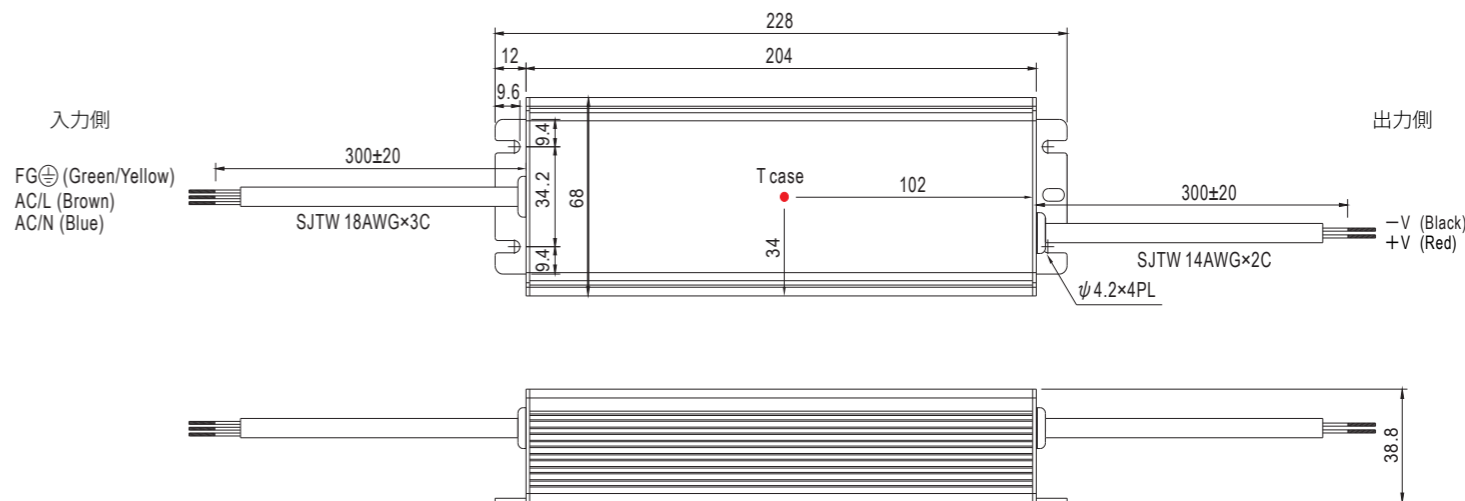


HLG-150H-12 [A] Blank : IP67 rated. Cable for I/O connection.  
 A : IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.  
 B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance.  
 D (option, safety pending) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

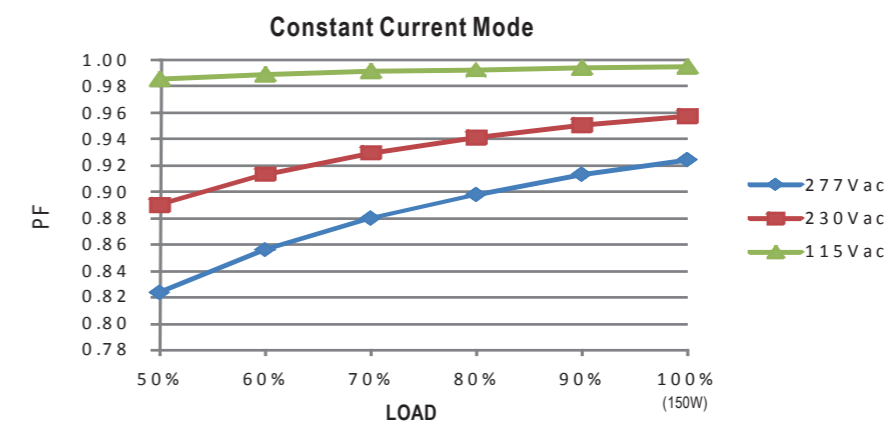
## SPECIFICATION

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	
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									
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	1.68~2.8A	
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	±2.0%	±1.5%	±1.0%	±0.5%	±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%	94%	
AC CURRENT (Typ.)	1.7A / 115VAC 0.75A / 230VAC 0.7A / 277VAC									
INRUSH CURRENT (Typ.)	COLD START 65A(twidth=425 μs measured at 50% Ipeak) at 230VAC									
LEAKAGE CURRENT	<0.75mA / 277VAC									
PROTECTION OVER CURRENT	95~108%									
SHORT CIRCUIT	Protection type : 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	Protection type : Shut down o/p voltage with auto-recovery or re-power on to recovery									
WORKING TEMP.	Shut down o/p voltage, recovers automatically after temperature goes down									
WORKING HUMIDITY	-40~+70°C (Refer to "Derating Curve")									
STORAGE TEMP., HUMIDITY	20~95% RH non-condensing									
TEMP. COEFFICIENT	-40~+80°C, 10~95% RH									
VIBRATION	±0.03%/°C (0~50°C)									
SAFETY STANDARDS Note.7	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes									
WITHSTAND VOLTAGE	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									
ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC									
EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH									
EMC IMMUNITY	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≥60% load) ; EN61000-3-3									
MTBF	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 4KV), criteria A									
DIMENSION	192.2Khrs min. MIL-HDBK-217F (25°C)									
PACKING	228*68*38.8mm									
	1.15Kg; 12pcs/14.8Kg/0.74CUFT									

## HLG-150H-12 外観図



## Power Factor Characteristic



※本品の規格および外観は改良のため予告なしに変更する事がありますので、あらかじめご了承下さい。

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6									
5									器具タイプ
4									
3									適合ランプ
2									型番
1									作成日付
									2015.04.08
品番	品名	材質	数量	摘要					
	第三角法	単位 : mm	尺度	質量	Kg		Lumiere Japan Co.,Ltd		