### HLG-240 H series



### 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 I , 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 • 5 years warranty (Note.10)



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HLG-240H-12 A Blank : IP67 rated. Cable for I/O connection.

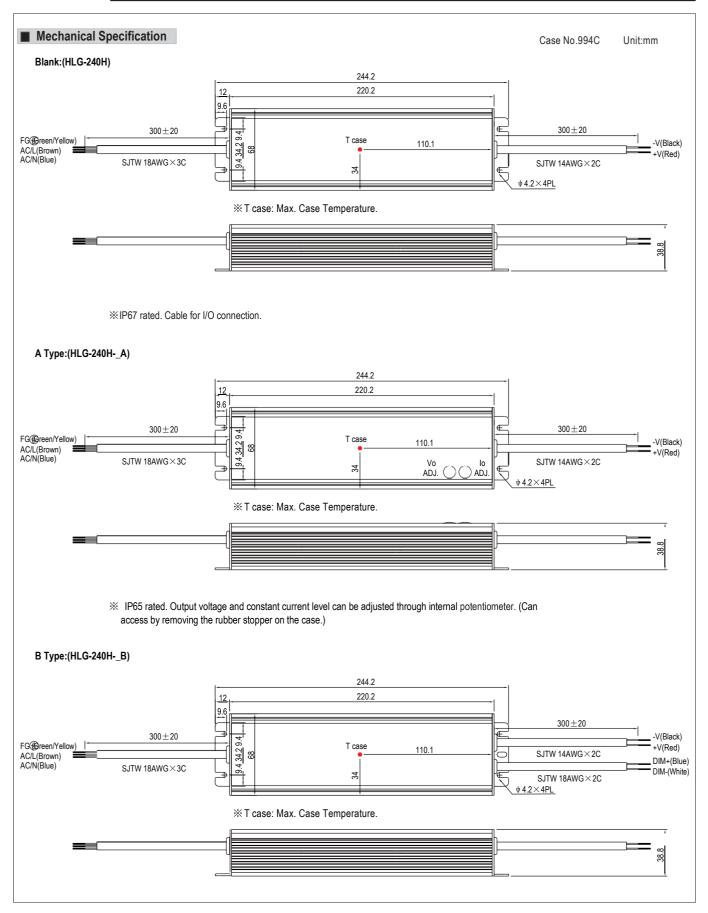
- A : IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.
- B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance.
- C : Terminal block for I/O connection. Output voltage and constant current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

#### SPECIFICATION

	HLG-240H-24	HLG-240H-54							
DC VOLTAGE	24V	54V							
	12 ~ 24V	27 ~ 54V							
		4.45A							
		350mVp-p							
. ,		50 ~ 57V							
VOLTAGE ADD. NAMOL NOIL.0									
CURRENT ADJ. RANGE									
VOLTAGE TOLERANCE Note 3		±1.0%							
		±0.5%							
		93.5%							
	CULD START 75A(twidth=570µs measured at 50% lpeak) 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								
	95 ~ 108%								
OVER CORRENT Note.4	Protection type : Constant current limiting, recovers automatically after fault condition is removed								
SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
	27 ~ 34V	60 ~ 67V							
OVER VOLTAGE	Protection type : Shut down and latch off o/n voltage re-nower on to r	000/0F							
	· · · ·								
VIDRATION	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								
		N							
		ndustry level (surge 4KV), criteria B							
PACKING		12pcs/15.8Kg/1.16CUFT(HLG-240-C)							
<ol> <li>Ripple &amp; noise are measure</li> <li>Tolerance : includes set up</li> <li>Please refer to "DRIVING M</li> <li>Derating may be needed un</li> <li>A type and C type only.</li> <li>Safety and EMC design refe</li> <li>Length of set up time is mea</li> <li>The power supply is conside complete installation, the fin.</li> <li>Refer to warranty statemer</li> <li>To Iffill requirements of th</li> </ol>	d at 20MHz of bandwidth by using a 12" twisted pair-wire terminat tolerance, line regulation and load regulation. IETHODS OF LED MODULE". der low input voltages. Please check the static characteristics for r er to EN60598-1, subject 8750(UL), CNS15233, GB7000.1, FCC p asured at cold first start. Turning ON/OFF the power supply may le ared as a component that will be operated in combination with fina al equipment manufacturers must re-qualify EMC Directive on the t.	ed with a 0.1uf & 47uf parallel capacitor. nore details. art18. ead to increase of the set up time. I equipment. Since EMC performance will be affected by the complete installation again.							
	CONSTANT CURRENT REGION Note.4 RATED CURRENT RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE Note.6 CURRENT ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION Note.8 SETUP, RISE TIME Note.9 HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) INRUSH CURRENT (Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT OVER CURRENT Note.4 SHORT CIRCUIT OVER VOLTAGE WORKING TEMP. WORKING TEMP. WORKING TEMP. WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT special 2. Tolerance : includes set up 4. Please refer to "DRIVING M 5. Derating may be needed un 6. A type and C type only. 7. Safety and EMC design refe 8. Length of set up time is mede 9. The power supply is consider 10. Refer to warranty statemer	DC VOLTAGE         24V           CONSTANT CURRENT REGION Nets 4         12 - 24V           RATED CURRENT         10A           RATED CURRENT         10A           RATED POWER         240W           RIPPLE & NOISE (max.) Note.2         150mVp-p           VOLTAGE ADJ. RANGE Note.6         22.4 - 25.6V           CURRENT ADJ. RANGE         Can be adjusted by internal potentiometerA type and C type only           VOLTAGE TOLERANCE Note.3         ± 1.0%           LINE REGULATION         ± 0.5%           SETUP, RISE TIME         Note.3         ± 0.5%           SETUP, RISE TIME         Note.3         ± 0.5%           VOLTAGE RANGE Note.3         90 - 305VAC 115VAC 500ms,80ms/1230VAC at full load           HOLD UP TIME (Typ.)         15ms at full load 230VAC 115VAC           POWER FACTOR (Typ.)         PF>0.98/115VAC, PF>0.95/230VAC at full load (Please refer to "Powr           TOTALHARMONIC DISTORTION         TH0-2 20% when output loading ≅ 50% at 150/ACC/230VAC input and           EFFICIENCY (Typ.)         COLD START 754(wem=570µs measured at 50% [peax) at 230VAC           MAX. No. of PSUs on 16A         2 units (circuit breaker of type B) / 4 units (circuit breaker of type C) at 12eA/270VAC           OVER CURRENT (Typ.)         COLD START 754(wem=570µs measured at 50% [peax] at 230VAC           MAX. No. of PSUs on 16A							



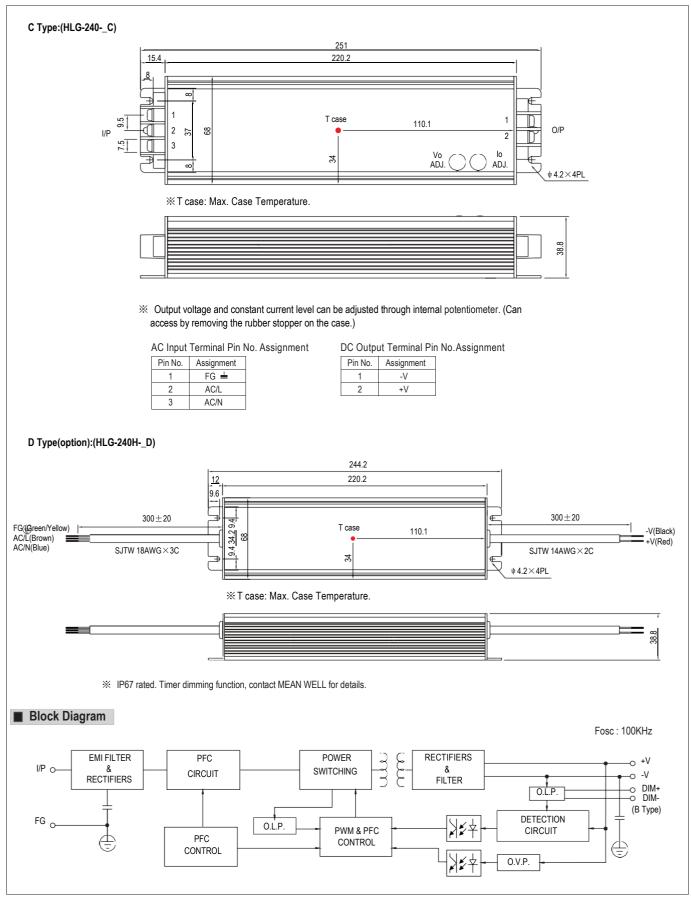
# HLG-240H series



File Name:HLG-240H-SPEC 2017-11



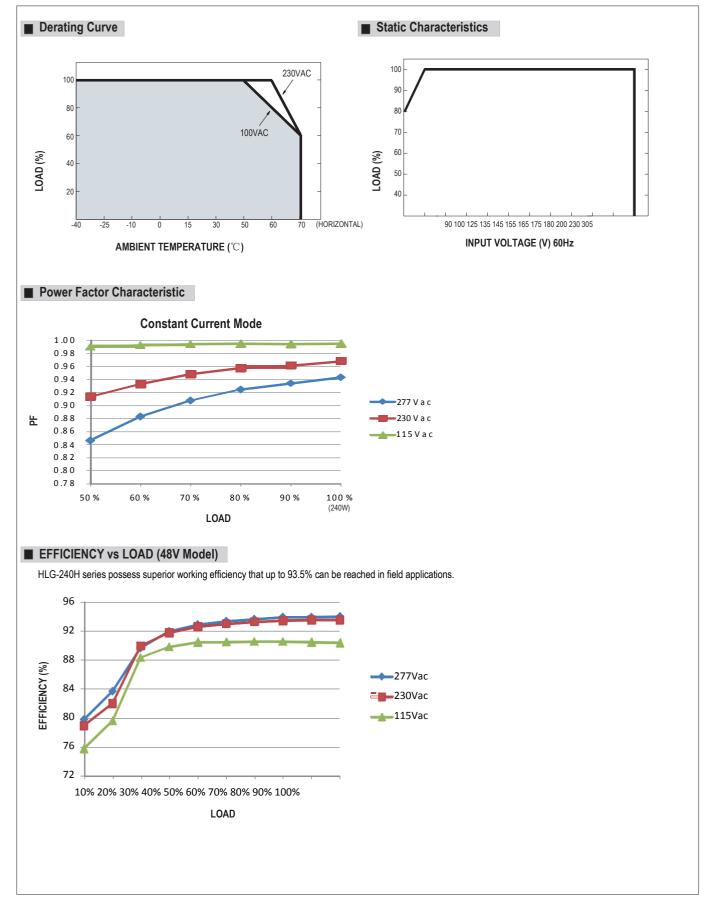
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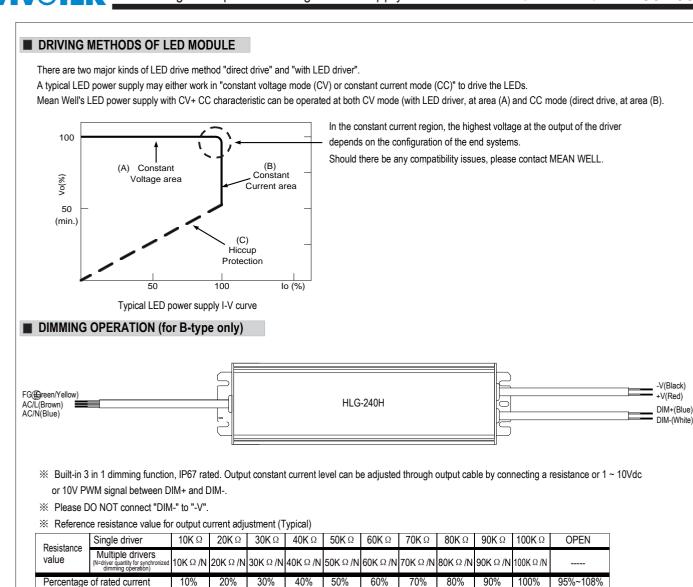
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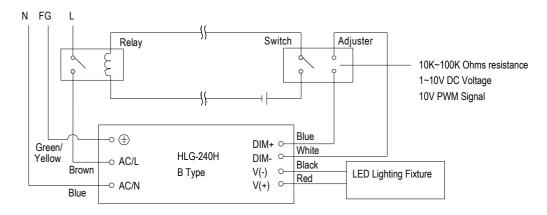
× 1 ~ 10V dimming function for output current adjustment (Typical)

•		,	( )	'							
Dimming value	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%
※ 10V PWM signal for output current adjustment (Typical): Frequency range :100Hz ~ 3KHz											
Duty value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

% Using the built-in dimming function on B-type model can't turn the lighting fixture totally dark. Please refer to the connection method below to achieve 0% brightness of the lighting fixture connecting to the LED power supply unit.

\*Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.

Dimming connection diagram for turning the lighting fixture ON/OFF :



Using a switch and relay can turn ON/OFF the lighting fixture.

1. Output constant current level can be adjusted through output cable by connecting a resistance or 1~10Vdc or 10V PWM signal between DIM+ and DIM-.

2.The LED lighting fixture can be turned ON/OFF by the switch.



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