







Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Standby power consumption <0.5W at remote off
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off)
- Typical lifetime > 62000 hours
- 7 years warranty

Applications

- · 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.

Description

HLG-600H series is a 600W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-600H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 96%, 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-600H 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
Α	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (0~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10VDC,10V PWM signal and resistance)	In Stock
Blank	IP67	Io and Vo fixed	In Stock

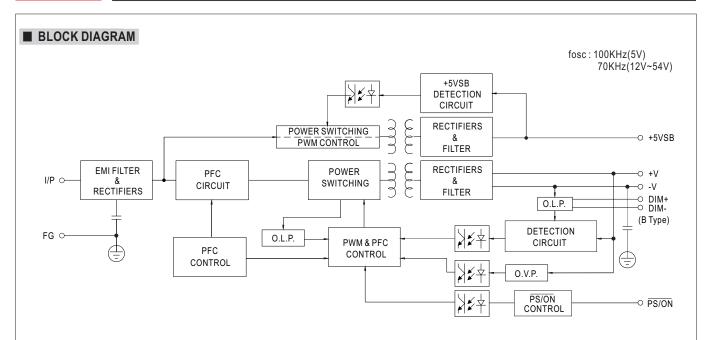


SPECIFICATION

MODEL			HLG-600H-12	HLG-600H-15	HLG-600H-20	HLG-600H-24	HLG-600H-30	HLG-600H-36	HLG-600H-42	HLG-600H-48	HLG-600H-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		40A	36A	28A	25A	20A	16.7A	14.3A	12.5A	11.2A					
	RATED POWER		480W	540W	560W	600W	600W	601.2W	600.6W	600W	604.8W					
	RIPPLE & NOISE (r	max.) Note.2		150mVp-p	150mVp-p	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p					
							200m/p			200 p p	осо р					
	VOLTAGE ADJ. RANGE		Adjustable for A-Type only (via built-in potentiometer) 10.2 ~ 12.6V 12.7 ~ 15.8V 17 ~ 21V 20.4 ~ 25.2V 25.5 ~ 31.5V 30.6 ~ 37.8V 35.7 ~ 44.1V 40.8 ~ 50.4V 45.9 ~ 56.7'													
			Adjustable for A-Type only (via built-in potentiometer)													
	CURRENT ADJ. RANGE		20 ~ 40A	18 ~ 36A	14 ~ 28A	12.5 ~ 25A	10 ~ 20A	8.3 ~ 16.7A	7.1 ~ 14.3A	6.2 ~ 12.5A	5.6 ~ 11.2A					
	VOLTAGE TOLEDANGE N. C. A.															
	VOLTAGE TOLERANCE Note.3			±2.0%	±1.5%	±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.6	500ms, 80ms		VAC											
	HOLD UP TIME (Typ.)		15ms / 115VAC, 230VAC													
	VOLTAGE RANGE Note.5 FREQUENCY RANGE		90 ~ 305VAC 127 ~ 431VDC													
			(Please refer to "STATIC CHARACTERISTIC" section)													
			47 ~ 63Hz													
			PF≥0.98/115VAC, PF≥0.95/230VAC, PF≥0.93/277VAC @ full load													
	POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)													
			· ·		. ,											
			THD< 20% (@ load ≥ 50% /115VAC, 230VAC; @ load ≥ 75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)													
	FFFIOIENCY	230VAC	92%	93.5%	94.5%	95%	95%	05 F0/	96%	96%	96%					
INPUT	EFFICIENCY (Typ.)							95.5%								
	(Typ.)	277VAC	92.5%	93.5%	94.5%	95%	95%	95.5%	96%	96%	96%					
-	AC CURRENT (Typ		7A / 115VAC	3.3A / 23		A / 277VAC		IEA 4 A								
-	INRUSH CURRENT(Typ.)		COLD START	/0A(twidth=100	JUμs measured	at 50% Ipeak) a	t 230VAC; Per N	NEMA 410								
	MAX. No. of PSUs on 16A		1 unit (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC													
	CIRCUIT BREAKER		Turni (circuit breaker of type b) / 2 units (circuit breaker of type C) at 230VAC													
	LEAKAGE CURRENT		<0.75mA/27	7VAC												
	STANDBY POWER CONSUMPTION		<0.5W at remote off													
			95 ~ 108%													
	OVER CURRENT Note.4		Constant current limiting, recovers automatically after fault condition is removed													
	SHORT CIRCUIT		Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed													
PROTECTION	OHORT OHOOTI		13 ~ 16V 16.5 ~ 20.5V 22 ~ 26V 26 ~ 30V 32.5 ~ 36.5V 39.5 ~ 43.5V 46 ~ 50V 52.5 ~ 56.5V 59 ~ 63V													
	OVER VOLTAGE		Shut down o/p voltage, re-power on to recover													
	OVER TEMPERATURE		Shut down o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover													
FUNCTION REMOTE ON/OF		CONTROL														
	5V STANDBY		5Vss:5V@0.5A; tolerance ±5%, ripple:100mVp-p(max.)													
	WORKING TEMP.		Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)													
	MAX. CASE TEMP			Tcase=+90°C												
ENVIRONMENT	WORKING HUMIDITY		20 ~ 95% RH non-condensing													
LITTINONIILITI	STORAGE TEMP., HUMIDITY		-40 ~ +85°C, 10 ~ 95% RH non-condensing													
	TEMP. COEFFICIENT		±0.03%/°C (0~55°C)													
	TEMP. COEFFICIE	IN I	±0.03%/€	(0 ~ 55°C)				10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
	TEMP. COEFFICIE VIBRATION	IN I		,	cle, period for	72min. each al	ong X, Y, Z axe	s								
		IN I	10 ~ 500Hz, §	5G 12min./1cy			ong X, Y, Z axe 2, ENEC EN61:		7-2-13 indeper	ndent, EN6238	4,					
	VIBRATION		10 ~ 500Hz, 8 UL60950-1, U	5G 12min./1cyo JL8750(type"H	L"), CSA C22.2	2 No. 250.13-1	2, ENEC EN61	347-1, EN6134		ndent, EN6238	4,					
			10 ~ 500Hz, 5 UL60950-1, U IP65 or IP67,	5G 12min./1cyc JL8750(type"H J61347-1, J61	L"), CSA C22.2 347-2-13, CC0	2 No. 250.13-1 C GB4943.1, E.	2, ENEC EN61: AC TP TC 004,	347-1, EN6134		ndent, EN6238	4,					
	VIBRATION SAFETY STANDAR	RDS Note.7	10 ~ 500Hz, § UL60950-1, U IP65 or IP67, KC61347-1, I	5G 12min./1cyd JL8750(type"H J61347-1, J61 KC61347-2-13	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a	2, ENEC EN61: AC TP TC 004, pproved	347-1, EN6134		ndent, EN6238	4,					
SAFETY &	VIBRATION SAFETY STANDAR WITHSTAND VOLT	RDS Note.7	10 ~ 500Hz, \$ UL60950-1, U IP65 or IP67, KC61347-1, I I/P-O/P:3.75	GG 12min./1cyd JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4 G:2KVAC O	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a b/P-FG:1.5KV	2, ENEC EN61: AC TP TC 004, pproved	347-1, EN6134		ndent, EN6238	4,					
SAFETY & EMC	VIBRATION SAFETY STANDAR	RDS Note.7	10 ~ 500Hz, \$ UL60950-1, U IP65 or IP67, KC61347-1, I I/P-O/P:3.75	GG 12min./1cyd JL8750(type"H J61347-1, J61 KVAC I/P-F FG, O/P-FG:10	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4 G:2KVAC O	2 No. 250.13-1. C GB4943.1, E. 8A,54A only) a I/P-FG:1.5KVA DOVDC / 25°C/	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH	347-1, EN6134 AS/NZS 60950).1(by CB),							
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT	RDS Note.7	10 ~ 500Hz, 5 UL60950-1, U IP65 or IP67, KC61347-1, I I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t	5G 12min./1cyd JL8750(type"H J61347-1, J61 KVAC I/P-F FG, O/P-FG:10 o EN55032 (C	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 SPR32) Class	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a b/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E	2, ENEC EN61: AC TP TC 004, pproved	347-1, EN6134 AS/NZS 60950).1(by CB),							
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS	RDS Note.7 FAGE STANCE	10~500Hz, t UL60950-1, L IP65 or IP67, KC61347-1, I I/P-O/P: 3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN	5G 12min./1cyv JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 o EN55032 (CI	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 ISPR32) Class ,36A,48A,54A	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a l/P-FG:1.5KVA DOVDC / 25°C / B, EN55015, E only)	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C	347-1, EN6134 AS/NZS 60950 Class C (@ load	0.1(by CB), 1≥50%) ; EN6	1000-3-3, EAC	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS	RDS Note.7 FAGE STANCE	10 ~ 500Hz, t UL60950-1, L IP65 or IP67, KC61347-1, I I/P-O/P:3.75 I/P-O/P, I/P-C Compliance t KC KN15, KN	5G 12min./1cyc JJL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 0 EN55032 (Cl 161547(for 24A 0 EN61000-4-2	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4 G:2KVAC O DOM Ohms / 50 SPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11,	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a l/P-FG:1.5KVA DOVDC / 25°C/ B, EN55015, E only)	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C	347-1, EN6134 AS/NZS 60950 Class C (@ load	0.1(by CB), 1≥50%) ; EN6	1000-3-3, EAC	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY	RDS Note.7 FAGE STANCE	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, KC61347-1, \(\) I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 0 EN55032 (Cl 161547(for 24A 0 EN61000-4-2 20; KC KN15,	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 (SPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a l/P-FG:1.5KVA DOVDC / 25°C / B, EN55015, E only)	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C	347-1, EN6134 AS/NZS 60950 Class C (@ load	0.1(by CB), 1≥50%) ; EN6	1000-3-3, EAC	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF	RDS Note.7 FAGE STANCE	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, KC61347-1, \(\) I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs min	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 o EN55032 (Ci I61547(for 24A o EN61000-4-2 20; KC KN15, h. MIL-HDBI	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4 G:2KVAC O DOM Ohms / 50 SPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11,	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a l/P-FG:1.5KVA DOVDC / 25°C/ B, EN55015, E only)	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C	347-1, EN6134 AS/NZS 60950 Class C (@ load	0.1(by CB), 1≥50%) ; EN6	1000-3-3, EAC	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY	RDS Note.7 FAGE STANCE	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, KC61347-1, \(\) I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs min 280*144*48.8	5G 12min./1cyc JJL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 0 EN55032 (Cl 161547(for 24A 0 EN61000-4-2 20; KC KN15, h. MIL-HDBI 5mm (L*W*H)	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 (ISPR32) Class "36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C)	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a l/P-FG:1.5KVA DOVDC / 25°C/ B, EN55015, E only)	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C	347-1, EN6134 AS/NZS 60950 Class C (@ load	0.1(by CB), 1≥50%) ; EN6	1000-3-3, EAC	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	RDS Note.7 FAGE STANCE Note.7	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, KC61347-1, \(\) I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs min 280*144*48.8 3.9Kg; 4pcs/1	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 0 EN55032 (Cl 161547(for 24A 0 EN61000-4-2 20; KC KN15, h. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 5C ISPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C)	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a b/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C	347-1, EN6134 AS/NZS 60950 Class C (@ load ustry level (surg		1000-3-3, EAC	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I	RDS Note.7 FAGE STANCE Note.7	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, \(\) KC61347-1, \(\) I/P-0/P:3.75 I/P-0/P, \(\) Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs mir 280*144*48.5 3.9Kg; 4pcs/1	5G 12min./1cyc JJL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 o EN55032 (Ci 161547(for 24A o EN61000-4-2 20; KC KN15, in. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 (SPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C)	2 No. 250.13-1: C GB4943.1, E. 8A,54A only) a b/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C 65024, light indu AA only)	AS/NZS 60950 Class C (@ load stry level (surg	0.1(by CB), I≥50%); EN6 ge immunity Lir perature.	1000-3-3, EAC ne-Earth 4KV, L	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise	RDS Note.7 FAGE STANCE Note.7 NOT special are measure	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, \(\) KC61347-1, \(\) I/P-0/P:3.75 I/P-0/P, I/P-1 Compliance \(\) KC KN15, KN Compliance \(\) EAC TP TC 0 76.9K hrs min 280*144*48.5 3.9Kg; 4pcs/1 Illy mentioned a ed at 20MHz o	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 o EN55032 (Ci 161547(for 24A o EN61000-4-2 20; KC KN15, n. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured if bandwidth by	L"), CSA C22.2 347-2-13, CCC (for 24A, 36A, 4 G:2KVAC O 00M Ohms / 50 (SPR32) Class ,36A, 48A, 54A 2,3,4,5,6,8,11, KN61547 (for 2 K-217F (25°C) T at 230VAC inp y using a 12" t	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a N/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C 65024, light indu AA only)	AS/NZS 60950 Class C (@ load stry level (surg	0.1(by CB), I≥50%); EN6 ge immunity Lir perature.	1000-3-3, EAC ne-Earth 4KV, L	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters 1 2. Ripple & noise 3. Tolerance : incli	RDS Note.7 FAGE STANCE Note.7 NOT special are measure ludes set up	10 ~ 500Hz, t UL60950-1, U IP65 or IP67, KC61347-1, I I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs min 280*144*48.5 3.9Kg; 4pcs/1	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 o EN55032 (CI 161547(for 24A o EN61000-4-2 20; KC KN15, n. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured if bandwidth by regulation and	L"), CSA C22.2 347-2-13, CCC (for 24A, 36A, 4 G:2KVAC O 00M Ohms / 50 SPR32) Class ,36A, 48A, 54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) T at 230VAC inp y using a 12" td load regulation	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a N/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C 65024, light indu AA only)	AS/NZS 60950 Class C (@ load stry level (surg	0.1(by CB), I≥50%); EN6 ge immunity Lir perature.	1000-3-3, EAC ne-Earth 4KV, L	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incl 4. Please refer to	RDS Note.7 FAGE STANCE Note.7 NOT special are measure ludes set up "DRIVING N	10 ~ 500Hz, t UL60950-1, L IP65 or IP67, KC61347-1, I I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs min 280*144*48.5 3.9Kg; 4pcs/1 Ily mentioned at ed at 20MHz of tolerance, line	5G 12min./1cy. JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F G, O/P-FG:11 o EN55032 (CI 161547(for 24A o EN61000-4-2 20; KC KN15, n. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured if bandwidth by regulation and LED MODUL	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 000M Ohms / 50 SPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) TT at 230VAC inp / using a 12" td load regulation	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a b/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 but, rated curre wisted pair-wir on.	2, ENEC EN61: AC TP TC 004, pproved AC TO WRH EN61000-3-2 C 65024, light indu AA only) ent and 25°C c e terminated w	347-1, EN6134 AS/NZS 60950 Class C (@ load ustry level (surg	0.1(by CB), i≥50%); EN6 ge immunity Lir perature. 7uf parallel ca	1000-3-3, EAC ne-Earth 4KV, L	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incl 4. Please refer to 5. De-rating may be	RDS Note.7 FAGE STANCE Note.7 NOT special are measure ludes set up "DRIVING Note in ended du be needed up note"	10 ~ 500Hz, & UL60950-1, UL60950-1, UP65 or IP67, KC61347-1, I/P-O/P:3.75 I/P-O/P, I/P-C Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs min 280*144*48.5 3.9Kg; 4pcs/1 yg mentioned a dat 20MHz o tolerance, line METHODS OF under low input	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F G, O/P-FG:11 o EN55032 (CI 161547(for 24A o EN61000-4-2 20; KC KN15, In. MIL-HDBI 6.6Kg/0.9CUF are measured of bandwidth by regulation and LED MODUL voltages. Plea	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 000M Ohms / 50 SPR32) Class .,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) TT at 230VAC ing y using a 12" t d load regulation E". ase refer to "S'	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a N/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 Dut, rated curre wisted pair-wir on.	2, ENEC EN61: AC TP TC 004, ppproved AC TO WRH EN61000-3-2 C S5024, light indu AA only) ent and 25°C ce terminated w	347-1, EN6134 AS/NZS 60950 Class C (@ load ustry level (surg	0.1(by CB), I≥50%); EN6 ge immunity Lir perature. 7uf parallel ca	1000-3-3, EAC ne-Earth 4KV, L	TP TC 020;					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incli 4. Please refer to 5. De-rating may b 6. Length of set up	RDS Note.7 TAGE STANCE NOT special are measure ludes set up "DRIVING Note needed up time is me	10 ~ 500Hz, & UL60950-1, UR60950-1, UR60950-	5G 12min./1cyu JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F G, O/P-FG:11 0 EN55032 (CI 161547(for 24A 0 EN61000-4-2 20; KC KN15, In. MIL-HDBI 5mm (L*W*H) 16.6K9(0.9CUF are measured of bandwidth by regulation and LED MODUL voltages. Pleacold start. Tur	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 000M Ohms / 50 ISPR32) Class .,36A,48A,54A 2,3,4,5,68,11, KN61547(for 2 K-217F (25°C)	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a N/P-FG:1.5KVA DOVDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 Dout, rated curre wisted pair-wir on. TATIC CHARA	2, ENEC EN61: AC TP TC 004, ppproved AC TOW RH EN61000-3-2 C S5024, light indu AA only) ACTERISTIC**: lead to increase	AS/NZS 60950 Class C (@ load ustry level (surg if ambient tem, ith a 0.1uf & 4	D.1(by CB), D.1(by CB), D.2(by CB), D.3(by CB), D.3(ne-Earth 4KV, L	TP TC 020; Line-Line 2K\					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incl 4. Please refer to 5. De-rating may b 6. Length of set up 7. The model certi	NOT special are measure ludes set up "DRIVING Note needed up time is me iffied for CCC	10 ~ 500Hz, \$\frac{1}{UL60950-1}, \text{ UL60950-1}, \text{ UL60950-1}, \text{ IP65 or IP67, }\text{ KC61347-1, IP-O/P:3.75} \text{ I/P-O/P:3.75} \text{ I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs mir 280*144*48.\$\frac{1}{3.9Kg; 4pcs/1} Ily mentioned a ed at 20MHz o tolerance, line METHODS OF under low input teasured at first C(GB19510.14	5G 12min./1cyu JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F G, O/P-FG:11 0 EN55032 (CI 61547(for 24A 0 EN61000-4-2 20; KC KN15, 1. MIL-HDBI 5mm (L*W*H) 6.6Kg/0.9CUF are measured if bandwidth by regulation and LED MODUL voltages. Plea cold start. Tur , GB19510.1, i	L"), CSA C22.2 347-2-13, CC0 (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 ISPR32) Class "36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) TT at 230VAC ing v using a 12" t d load regulation E". ase refer to "S' ning ON/OFF GB17743 and	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a N/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 but, rated curre wisted pair-wir on. TATIC CHAR/ the driver may GB17625.1) is	2, ENEC EN61: AC TP TC 004, ppproved AC TO% RH EN61000-3-2 C S5024, light indu AA only) ACTERISTIC": a lead to increas a noptional m	Stars C (@ load ustry level (surget ambient tem ith a 0.1uf & 4 sections for dese of the set u loadel . Please	D.1(by CB), I≥50%); EN6 ge immunity Lir perature. 7uf parallel cap tails. p time. contact MEAN	ne-Earth 4KV, I	TP TC 020; Line-Line 2KV					
SAFETY & EMC (Note 10)	WIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incli 4. Please refer to 5. De-rating may k 6. Length of set up 7. The model certi 8. This series mee	RDS Note.7 FAGE STANCE Note.7 NOT special are measure ludes set up "DRIVING Note needed up time is me iffied for CCC ets the typical set to the typical set.	10 ~ 500Hz, \$\frac{1}{UL60950-1}, \text{UL60950-1}, \text{UL60950-1}, \text{UL60950-1}, \text{UF65 or IP67, \text{KC61347-1}, \text{I/P-O/P:3.75} \text{I/P-O/P:3.75} \text{I/P-O/P:1/P-ICOMPliance to KC KN15, KN Compliance to EAC TP TC 0 76.9K hrs mir 280*144*48.\$\frac{1}{3.9Kg; 4pcs/1} Ily mentioned a ed at 20MHz of tolerance, line tolerance, line tolerance, line tolerance in tolerance in the complete substance of the comple	5G 12min./1cyu JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F G, O/P-FG:11 o EN55032 (CI 161547(for 24A o EN61000-4-2 20; KC KN15, n. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured if bandwidth by regulation and regulation an	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 SPR32) Class ,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) T at 230VAC inp / using a 12" t d load regulation E". ase refer to "S ning ON/OFF GB17743 and hours of opera	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a 8/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 Dut, rated curre wisted pair-wir on. TATIC CHARA the driver may GB17625.1) is ation when Tc	2, ENEC EN61: AC TP TC 004, ppproved AC 70% RH EN61000-3-2 C 55024, light indu 4A only) ent and 25°C c e terminated w ACTERISTIC" s lead to increas a an optional m ase, particularly	Stars C (@ load ustry level (surget ambient tem ith a 0.1uf & 4 sections for dese of the set u loadel . Please	D.1(by CB), I≥50%); EN6 ge immunity Lir perature. 7uf parallel cap tails. p time. contact MEAN	ne-Earth 4KV, I	TP TC 020; Line-Line 2K\					
SAFETY & EMC (Note 10)	WIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incli 4. Please refer to 5. De-rating may be 6. Length of set up 7. The model certi 8. This series mee 9. Please refer to	NOT special are measure ludes set up p time is me iffied for CCC ets the typica the warranty	10 ~ 500Hz, \$\frac{1}{UL60950-1}, \text{UL60950-1}, \text{UL60950-1}, \text{UL60950-1}, \text{UL60950-1}, \text{UF065 or IP67}, \text{KC61347-1}, \text{I/P-O/P:3.75} \text{I/P-O/P:3.75} \text{I/P-O/P; \text{I/P-O/P}, \text	5G 12min./1cyu JL8750(type"H J61347-1, J61 KC61347-2-13 KVAC I/P-F G, O/P-FG:11 o EN55032 (CI 161547(for 24A o EN61000-4-2 20; KC KN15, n. MIL-HDBI 5mm (L*W*H) 6.6Kg/0.9CUF are measured if bandwidth by regulation and L voltages. Plea cold start. Tur , GB19510.1, icy of >62,000 MEAN WELL	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 SPR32) Class "36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) T at 230VAC inp / using a 12" t d load regulation E". asse refer to "S' ining ON/OFF GB17743 and hours of opera 's website at h	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a 8/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,56 Dut, rated curre wisted pair-wir on. TATIC CHARA the driver may GB17625.1) is ation when Tca	2, ENEC EN61: AC TP TC 004, ppproved AC TOW RH EN61000-3-2 C 55024, light indu AA only) ent and 25°C c e terminated w ACTERISTIC" s lead to increas a an optional m ase, particularly nwell.com	Stass C (@ load ustry level (surget a mbient tempith a 0.1uf & 4 sections for dese of the set u lodel . Please (to point (or 'to') point (or 'to')	D.1(by CB), ≥ 50%); EN6 ge immunity Lir perature. 7uf parallel call tails. p time. contact MEAN TMP, per DLC	pacitor. WELL for det (1), is about 75°	TP TC 020; Line-Line 2K\ Line-Line 2K\ Line 2K\ Line-Line 2K\ Line 2K\					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incl 4. Please refer to 5. De-rating may b 6. Length of set up 7. The model certif 8. This series mee 9. Please refer to 10. The driver is co	Note.7 NOT special are measure fludes set up programme is me programme. The forest the typicate warranty considered a	10 ~ 500Hz, t UL60950-1, L IP65 or IP67, KC61347-1, I I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs mir 280*144*48.t 3.9Kg; 4pcs/1 Ily mentioned a ed at 20MHz o tolerance, line MICHODS OF Inder low input assured at first C(GB19510.14 al life expectan at attement on component w	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 0 EN55032 (Ci 161547(for 24A 0 EN61000-4-2 20; KC KN15, h. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured if bandwidth by regulation anc LED MODUL LED MOD	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 (SPR32) Class "36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) Tat 230VAC inp y using a 12" to d load regulatic E". ase refer to "S' ase refer to "S' aning ON/OFF GB17743 and hours of opera 's website at h	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a b/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 Dut, rated curre wisted pair-wir on. TATIC CHARA the driver may GB17625.1) is ation when Tc attp://www.mea nal equipment.	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C 55024, light indu AA only) ent and 25°C c e terminated w ACTERISTIC": lead to incread a an optional m ase, particularly inwell.com All the EMC to	Stars C (@ load ustry level (surguistry level (s	D.1(by CB), D.1(by CB), D.2(by CB), D.3(by CB), D.3(by CB), D.4(by CB), D.5(by CB), D.6(by CB), D.7(by CB), D.7(pacitor. WELL for det on the same of the	ails. C or less.					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incl 4. Please refer to 5. De-rating may b 6. Length of set up 7. The model certi 8. This series mee 9. Please refer to 10. The driver is c 360mm*360m	NOT special are measure ludes set up "DRIVING Note is me piffed for CCC ets the typica the warranty considered a m metal plat	10 ~ 500Hz, \(\) UL60950-1, \(\) IP65 or IP67, KC61347-1, \(\) I/P-O/P:3.75 I/P-O/P, I/P-I Compliance t KC KN15, KN Compliance t EAC TP TC 0 76.9K hrs mir 280*144*48.\(\) 3.9Kg; 4pcs/1 Illy mentioned a ed at 20MHz o tolerance, line AETHODS OF inder low input assured at first C(GB19510.14 al life expectan or statement on component w te with 1mm o	5G 12min./1cyc JL8750(type"H J61347-1, J61 KC61347-2-13i KVAC I/P-F G, O/P-FG:11 0 EN55032 (Cl 161547(for 24A 0 EN61000-4-2 20; KC KN15, h. MIL-HDBI 5mm (L*W*H) 16.6Kg/0.9CUF are measured if bandwidth by regulation and LED MODUL LED MODUL LED MODUL Cold start. Tur , GB19510.1, i cy of >62,000 MEAN WELL hich will be ins if thickness. Th	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 50 (SPR32) Class "36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) Tat 230VAC ing y using a 12" t d load regulatic E". ase refer to "S' ning ON/OFF GB17743 and hours of opera 's website at h stalled into a fine e final equipm	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a li/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 Dut, rated curre wisted pair-wir on. TATIC CHARA the driver may GB17625.1) is ation when Tc ittp://www.mea nal equipment. leent must be re	2, ENEC EN61: AC TP TC 004, pproved AC 70% RH EN61000-3-2 C 55024, light indu AA only) ent and 25°C c e terminated w ACTERISTIC": lead to increas a an optional m ase, particularly nwell.com All the EMC to e-confirmed tha	AS/NZS 60950 Class C (@ load ustry level (surg of ambient templith a 0.1uf & 4 sections for de se of the set u loadel . Please of (to point (or ests are been ut it still meets	D.1(by CB), ≥ 50%); EN6 ge immunity Lir perature. 7uf parallel call tails. p time. contact MEAN TMP, per DLC executed by m EMC directives	pacitor. WELL for det on the same of the	ails. C or less.					
SAFETY & EMC (Note 10)	VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters I 2. Ripple & noise 3. Tolerance : incl 4. Please refer to 5. De-rating may b 6. Length of set up 7. The model certi 8. This series mee 9. Please refer to 10. The driver is c 360mm*360m	NOT special are measure ludes set up "DRIVING Note if the warranty considered a m metal plate EMC tests,	10 ~ 500Hz, & UL60950-1, LIF65 or IP67, KC61347-1, IP-0/P:3.75 I/P-0/P;0/P, I/P-0 Compliance to KC KN15, KN Compliance to KC KN15, KN Compliance to KC KN15, KN Compliance to EAC TP TC 0. 76.9K hrs min 280*144*48.8 do at 20MHz of tolerance, line METHODS OF under low input assured at first C(GB19510.14 all life expectancy statement on component with with 1mm of please refer to the component with the with 1mm of please refer to the component with 1mm of 100 please refer to the component with 1mm of 100 please refer to 100 please refer	5G 12min./1cyu JL8750(type"H J61347-1, J61 (C61347-2-13 KVAC I/P-F G, O/P-FG:11 o EN55032 (CI I61547(for 24A o EN61000-4-2 20; KC KN15, n. MIL-HDBl mm (L*W*H) I6.6Kg/0.9CUF are measured of bandwidth by regulation and LED MODUL voltages. Plea cold start. Tur , GB19510.1, cg GB19510.1, ic GB19510.	L"), CSA C22.2 347-2-13, CCC (for 24A,36A,4 G:2KVAC O 00M Ohms / 5(SPR32) Class .,36A,48A,54A 2,3,4,5,6,8,11, KN61547(for 2 K-217F (25°C) TT at 230VAC ing y using a 12" t d load regulatic E". ase refer to "S' ning ON/OFF GB17743 and hours of opera's website at h stalled into a fire ef final equipm of component	2 No. 250.13-1: C GB4943.1, E 8A,54A only) a N/P-FG:1.5KVA 00VDC / 25°C/ B, EN55015, E only) EN61547, EN5 4A,36A,48A,54 Dut, rated curre wisted pair-wir on. TATIC CHARA the driver may GB17625.1) is attion when Tc attion when Tc attitp://www.mea nal equipment. tent must be re power supplie	2, ENEC EN61: AC TP TC 004, pproved AC TO WRH EN61000-3-2 C 55024, light industa and 25°C ce terminated was an optional or asse, particularly inwell.com All the EMC to e-confirmed thas s." (as available s." (as	Stass C (@ load ustry level (surgetth a 0.1uf & 4 sections for desse of the set u lodel . Please / (© point (or ests are been at it still meets e on http://www.	D.1(by CB), D.1(pacitor. WELL for det), is about 75° nounting the ur s. For guidance m)	ails. C or less. hit on a e on how to					

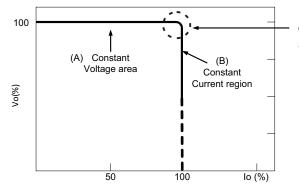
600W Constant Voltage + Constant Current LED Driver

https://www.meanwell.com/Upload/PDF/LED_EN.pdf



■ DRIVING METHODS OF LED MODULE

X This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.

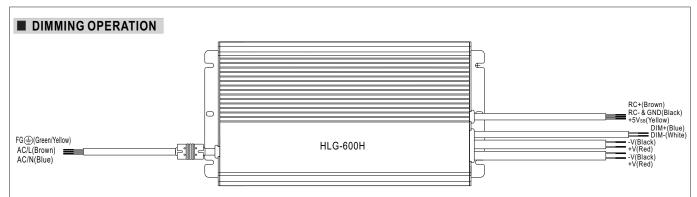


Typical output current normalized by rated current (%)

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

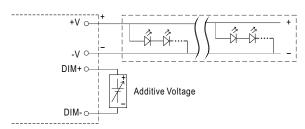
Should there be any compatibility issues, please contact MEAN WELL.





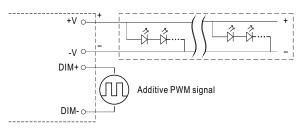
※ 3 in 1 dimming function (for B-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
 0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: $100\mu A$ (typ.)
- O Applying additive 0 ~ 10VDC



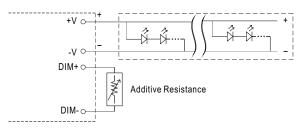
"DO NOT connect "DIM- to -V"

O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

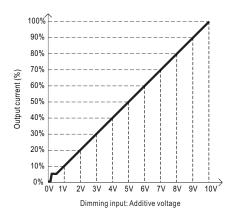


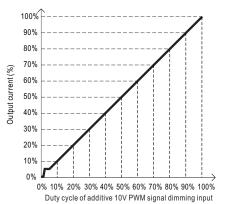
"DO NOT connect "DIM- to -V"

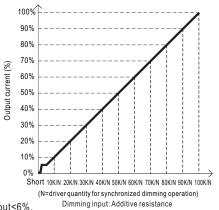
Applying additive resistance:



"DO NOT connect "DIM- to -V"



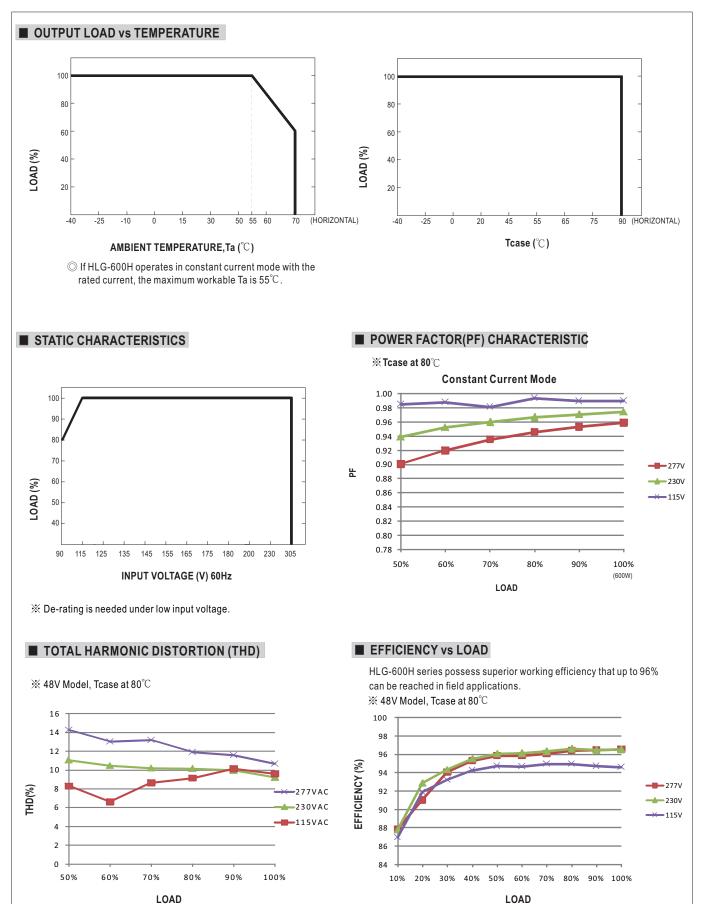




Note: 1. Min. dimming level is about 6% and the output current is not defined when 0% < Iout < 6%.

2. The output current could drop down to 0% when dimming input is about $0 \, \mathrm{k} \, \Omega$ or $0 \, \mathrm{Vdc}$, or $10 \, \mathrm{VPWM}$ signal with $0 \, \mathrm{w}$ duty cycle.





File Name:HLG-600H-SPEC 2019-05-07



■ LIFETIME

