









Features

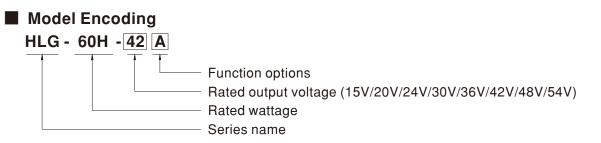
- Constant Voltage + Constant Current mode output
- · Metal housing with class ${\rm I}$ design
- Built-in active PFC function
- · Class 2 power unit
- · IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

Applications

- · LED street lighting
- · 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.

HLG-60H series is a 60W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-60H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 15V and 54V. Thanks to the high efficiency up to 90.5%, with the fanless design, the entire series is able to operate for -40° C ~ $+80^{\circ}$ 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-60H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



Туре	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

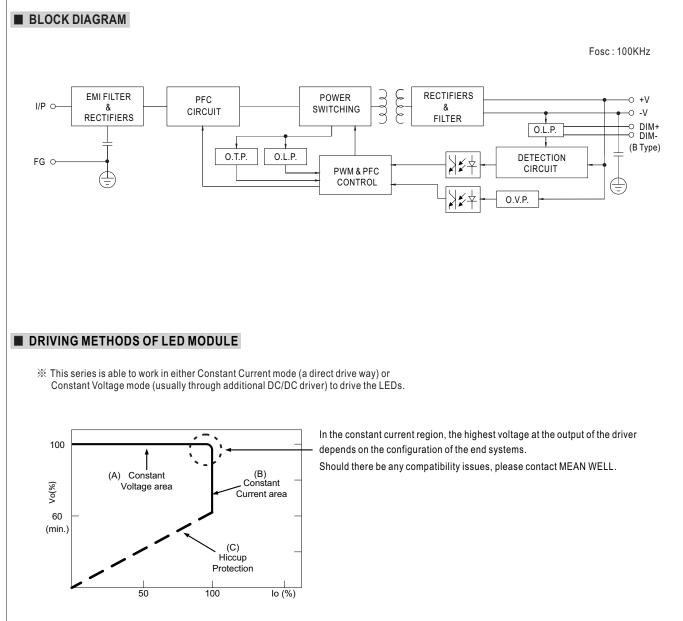
File Name:HLG-60H-SPEC 2021-08-26



SPECIFICATION

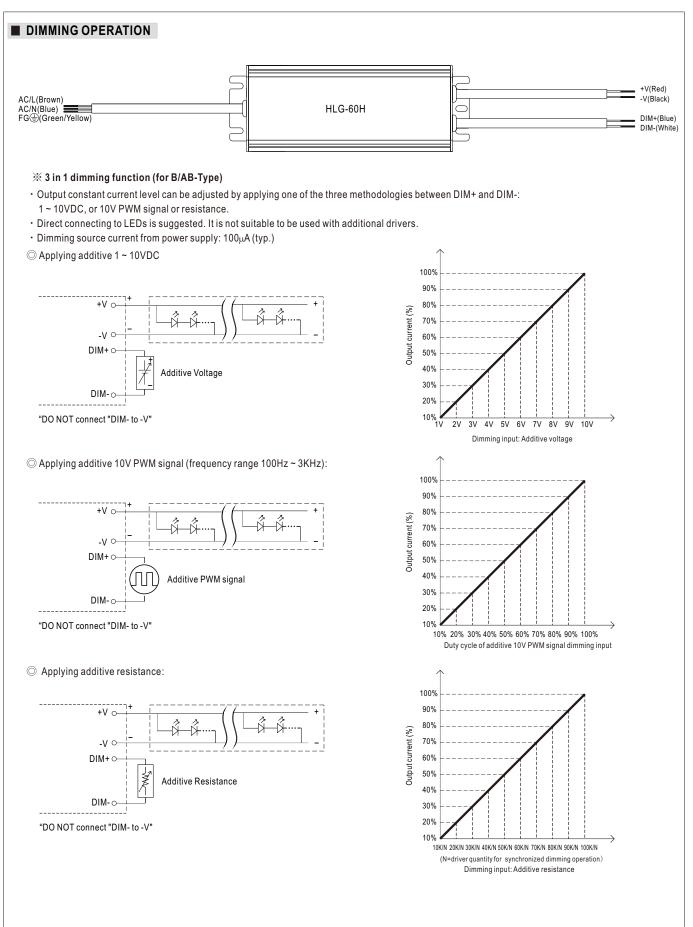
DLTAGE ADJ. RANGE JRRENT ADJ. RANGE DLTAGE TOLERANCE Note.3 NE REGULATION DAD REGULATION ETUP, RISE TIME Note.6 DLD UP TIME (Typ.) DLTAGE RANGE Note.5 REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION EFICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	4A 60W 150mVp-p Adjustable for A 13.5 ~ 17V Adjustable for A 2.4 ~ 4A $\pm 2.0\%$ $\pm 0.5\%$ $\pm 1.5\%$ 500ms,80ms/17 16ms / 115VAC, 90 ~ 305VAC (Please refer to 47 ~ 63Hz PF ≥ 0.98/115V/ (Please refer to THD< 20% (@ (Please refer to	17 ~ 22V //AB-Type only 1 1.8 ~ 3A ± 1.0% ± 0.5% ± 1.0% 15VAC 500ms 230VAC 127 ~ 431VD "STATIC CHAR/ AC, PF≧0.95/25	C	27 ~ 33V	HLG-60H-36 36V 21.6 ~ 36V 1.7A 61.2W 200mVp-p 33 ~ 40V 1 ~ 1.7A ± 1.0% ± 0.5% ± 0.5%	HLG-60H-42 42∨ 25.2 ~ 42∨ 1.45A 60.9W 300mVp-p 40 ~ 46∨ 0.87 ~ 1.45A ± 1.0% ± 0.5% ± 0.5%	HLG-60H-48 48∨ 28.8 ~ 48∨ 1.3A 62.4W 300mVp-p 44 ~ 53∨ 0.78 ~ 1.3A ± 1.0% ± 0.5%	HLG-60H-54[54V 32.4 ~ 54V 1.15A 62.1W 300mVp-p 49 ~ 58V 0.69 ~ 1.15A ± 1.0% ± 0.5%					
INSTANT CURRENT REGION Note.4 ATED CURRENT ATED POWER PPLE & NOISE (max.) Note.2 DLTAGE ADJ. RANGE JRRENT ADJ. RANGE JRRENT ADJ. RANGE DLTAGE TOLERANCE Note.3 NE REGULATION DAD REGULATION DAD REGULATION ETUP, RISE TIME Note.6 DLD UP TIME (Typ.) DLTAGE RANGE Note.5 REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FFICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	9 ~ 15V 4A 60W 150mVp-p Adjustable for A 13.5 ~ 17V Adjustable for A 2.4 ~ 4A ± 2.0% ± 0.5% ± 1.5% 500ms,80ms/1 ¹¹ 16ms / 115VAC, 90 ~ 305VAC (Please refer to 47 ~ 63Hz PF≧0.98/115VV (Please refer to THD< 20% (@ (Please refer to	12 ~ 20V 3A 60W 150mVp-p //AB-Type only (17 ~ 22V //AB-Type only (1.8 ~ 3A ± 1.0% ± 0.5% ± 1.0% 15VAC 500ms 230VAC 127 ~ 431VD "STATIC CHAR/ AC, PF≧0.95/23	14.4 ~ 24V 2.5A 60W 150mVp-p via built-in pote 22 ~ 27V (via built-in pote 1.5 ~ 2.5A \pm 1.0% \pm 0.5% \pm 0.5% \pm 0.5% C	$\begin{array}{c} 18 \sim 30 \lor \\ 2A \\ 60 \lor \\ 200 m \lor p - p \\ ntiometer) \\ 27 \sim 33 \lor \\ ntiometer) \\ 1.2 \sim 2A \\ \pm 1.0 \% \\ \pm 0.5 \% \end{array}$	21.6 ~ 36V 1.7A 61.2W 200mVp-p 33 ~ 40V 1~1.7A ± 1.0% ± 0.5%	25.2 ~ 42V 1.45A 60.9W 300mVp-p 40 ~ 46V 0.87 ~ 1.45A ± 1.0% ± 0.5%	28.8 ~ 48V 1.3A 62.4W 300mVp-p 44 ~ 53V 0.78 ~ 1.3A ± 1.0% ± 0.5%	32.4 ~ 54V 1.15A 62.1W 300mVp-p 49 ~ 58V 0.69 ~ 1.15A ± 1.0%					
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DLTAGE TOLERANCE Note.3 NE REGULATION DAD REGULATION TUP, RISE TIME Note.6 DLD UP TIME (Typ.) DLTAGE RANGE Note.5 REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	±2.0% ±0.5% ±1.5% 500ms,80ms/11 16ms / 115VAC, 90 ~ 305VAC (Please refer to 47 ~ 63Hz PF≧0.98/115W (Please refer to THD< 20% (@ (Please refer to	± 1.0% ± 0.5% ± 1.0% ISVAC 500ms 230VAC 127 ~ 431VD "STATIC CHARA AC, PF≧0.95/23	$\pm 1.0\%$ $\pm 0.5\%$ $\pm 0.5\%$ s,80ms/230VAC	±1.0% ±0.5%	+ 1.0% + 0.5%	±1.0% ±0.5%	± 1.0% ± 0.5%	±1.0%					
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NE REGULATION DAD REGULATION ETUP, RISE TIME Note.6 DLD UP TIME (Typ.) DLTAGE RANGE Note.5 REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FFICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	$\begin{array}{c} \pm 0.5\% \\ \pm 1.5\% \\ 500 \text{ms}, 80 \text{ms}/17 \\ 16 \text{ms} / 115 \text{VAC}, \\ 90 \sim 305 \text{VAC} \\ (\text{Please refer to} \\ 47 \sim 63 \text{Hz} \\ \text{PF} \geq 0.98 / 115 \text{V} \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (\text{Please refer to} \\ \text{THD} < 20\% (@ \\ (P$	±0.5% ±1.0% 15VAC 500ms 230VAC 127 ~ 431VD "STATIC CHARA AC, PF≧0.95/23	±0.5% ±0.5% s,80ms/230VAC	±0.5%	±0.5%	±0.5%	±0.5%						
DAD REGULATION TUP, RISE TIME Note.6 DLD UP TIME (Typ.) DLTAGE RANGE Note.5 REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	\pm 1.5% 500ms,80ms/1' 16ms / 115VAC, 90 ~ 305VAC (Please refer to 47 ~ 63Hz PF \ge 0.98/115V/ (Please refer to THD< 20% (@ (Please refer to	± 1.0% 15VAC 500ms 230VAC 127 ~ 431VD "STATIC CHARA AC, PF≧0.95/23	±0.5% s,80ms/230VAC										
ETUP, RISE TIME Note.6 DLD UP TIME (Typ.) Note.5 DLTAGE RANGE Note.5 REQUENCY RANGE Note.5 DWER FACTOR (Typ.) Note.5 DTAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	500ms,80ms/11 16ms / 115VAC, 90 ~ 305VAC (Please refer to 47 ~ 63Hz PF≧0.98/115V/ (Please refer to THD< 20% (@ (Please refer to	15VAC 500ms 230VAC 127 ~ 431VD "STATIC CHARA AC, PF≧0.95/23	s,80ms/230VAC				= 0.0 /0	$\pm 0.5\%$					
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DLTAGE RANGE Note.5 REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	90 ~ 305VAC (Please refer to 47 ~ 63Hz $PF \ge 0.98/115V/$ (Please refer to THD< 20% (@ (Please refer to	127 ~ 431VD "STATIC CHARA AC, PF≧0.95/23											
REQUENCY RANGE DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	(Please refer to 47 ~ 63Hz PF≧0.98/115V/ (Please refer to THD< 20% (@ (Please refer to	"STATIC CHARA AC, PF≧0.95/23											
DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FFICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	$47 \sim 63$ Hz PF $\geq 0.98/115$ V/ (Please refer to THD< 20% (@ (Please refer to	AC, PF≧0.95/23	AUTERISTIC Se										
DWER FACTOR (Typ.) DTAL HARMONIC DISTORTION FFICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	PF≧0.98/115V/ (Please refer to THD< 20% (@ (Please refer to												
TAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	(Please refer to THD< 20% (@ (Please refer to												
TAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	THD< 20% (@ (Please refer to	POWER FACTO	PF≧0.98/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC @ full load										
FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)	(Please refer to	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)											
FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.)		THD<20% (@ load≧60% / 115VAC,230VAC; @ load≧75% / 277VAC)											
C CURRENT (Typ.) RUSH CURRENT(Typ.)		"TOTAL HARM	IONIC DISTOR	FION (THD)" se	ction)								
RUSH CURRENT(Typ.)	87.5%	89%	89.5%	90%	90%	90%	90.5%	90.5%					
,	0.64A / 115VAC	0.32A/23	0VAC 0.3A	/ 277VAC									
	INRUSH CURRENT(Typ.) COLD START 55A(twidth=265, /s measured at 50% lpeak) at 230VAC;												
AX. No. of PSUs on 16A													
RCUIT BREAKER	9 units (circuit breaker of type B) / 16 units (circuit breaker of type C) at 230VAC												
KAGE CURRENT <0.75mA/277VAC													
VER CURRENT Note.4	Note.4 95 ~ 108%												
						40 5014	E4 051/	50 001/					
VER VOLTAGE				35~43V	41 ~ 49V	48 ~ 58V	54 ~ 65V	59 ~ 68V					
	· · ·	- ·											
VER TEMPERATURE	Shut down o/p voltage, re-power on to recover												
ORKING TEMP.	Tcase= -40 ~ +8	30°C (Please re	fer to "OUTPUT	LOAD vs TEMP	PERATURE" sec	tion)							
AX. CASE TEMP.	Tcase= +80°C												
ORKING HUMIDITY	20 ~ 95% RH no) ~ 95% RH non-condensing											
ORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH												
MP. COEFFICIENT													
		,	period for 72min	each along X	Y 7 axes								
District								enendent					
AFETY STANDARDS Note.8													
	J61347-1, J61347-2-13 (except for B,AB and D-type); design refer to BS EN/EN60335-1(by request)												
ITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC												
OLATION RESISTANCE					н								
	,	,				BS EN/EN6100	0-3-3 GB17743 a	and GB17625 1					
EMC EMISSION Note.8 Compliance to BS EN/EN35015, BS EN/EN31000-5-2 Class C (@ 10ad = 60%), BS EN/EN31000-5-5, GB 17743 and GE													
								4KV Line-Line					
AC IMMUNITY	2KV),EAC TP TC 020												
TBF	1132K hrs min.	Telcordia SR-	332 (Bellcore) ; 3	338K hrs min.	MIL-HDBK-217I	= (25°℃)							
MENSION	171*61.5*36.8m												
ACKING		()											
				ted current and	25℃ of ambien	t temperature.							
							l capacitor.						
3. Tolerance : includes set up tolerance, line regulation and load regulation.													
4. Please refer to "DRIVING METHODS OF LED MODULE".													
5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.													
6. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.													
7. The driver 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.													
connected to the mains. 9. This spring mosts the twoical life expectancy of $>62,000$ hours of operation when Tables, particularly (a) point (or TMP, per DLC), is about 70° or loss													
	9. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 70°C or less.												
. This series meets the typica	 Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(650) 												
This series meets the typica 0. Please refer to the warrant	12. For any application note and IP water proof function installation caution, please refer our user manual before using.												
. This series meets the typica 0. Please refer to the warrant 1. The ambient temperature of	÷					e usioo							
. This series meets the typica 0. Please refer to the warrant 1. The ambient temperature of	nd IP water proo	D EN.odf			Sel manual Delui	e using.							
	RKING TEMP. X. CASE TEMP. RKING HUMIDITY DRAGE TEMP., HUMIDITY MP. COEFFICIENT RATION FETY STANDARDS Note.8 THSTAND VOLTAGE LATION RESISTANCE C EMISSION Note.8 C IMMUNITY BF IENSION CKING All parameters NOT special Ripple & noise are measure Tolerance : includes set up Please refer to "DRIVING M De-rating may be needed u Length of set up time is measure The driver is considered as complete installation, the fin To fulfill requirements of the	DRT CIRCUIT Hiccup mode, re ER VOLTAGE 18 ~ 24V Shut down o/p v RKING TEMP. Tcase= -40 ~ +4 X. CASE TEMP. Tcase= +80°C RKING HUMIDITY 20 ~ 95% RH nc DRAGE TEMP., HUMIDITY -40 ~ +80°C, 10 MP. COEFFICIENT ± 0.03%/°C (0 RATION 10 ~ 500Hz, 5G FETY STANDARDS Note.8 CHISSION VIL8750(type"H GB19510.1,GE I/P-O/P.3.75KV LATION RESISTANCE I/P-O/P, I/P-FG C EMISSION Note.8 Compliance to E CKNG 0.73Kg; 20pcs/1 All parameters NOT specially mentioned are Ripple & noise are measured at 20MHz of b Tolerance : includes set up tolerance, line re Please refer to "DRIVING METHODS OF LE De-rating may be needed under low input volumed are Ripple & noise are measured at first co The driver is considered as a component that complete installation, the final equipment mator To fulfill requirements of the latest ErP regulation	DRT CIRCUIT Hiccup mode, recovers automat ER VOLTAGE 18 ~ 24V 23 ~ 30V Shut down o/p voltage, re-powe Shut down o/p voltage, re-powe RKING TEMP. Tcase= -40 ~ +80°C (Please re X. CASE TEMP. Tcase= +80°C RKING HUMIDITY 20 ~ 95% RH non-condensing DRAGE TEMP., HUMIDITY -40 ~ +80°C, 10 ~ 95% RH MP. COEFFICIENT ± 0.03%/°C (0 ~ 60°C) RATION 10 ~ 500Hz, 5G 12min./1cycle, 1 MP. COEFFICIENT ± 0.03%/°C (0 ~ 60°C) RATION 10 ~ 500Hz, 5G 12min./1cycle, 2 GB19510.1,GB19510.14,EAC J61347-1, J61347-2-13 (exception and the second and the secon	DRT CIRCUIT Hiccup mode, recovers automatically after fault of 18 ~ 24V 23 ~ 30V 28 ~ 35V ER VOLTAGE 18 ~ 24V 23 ~ 30V 28 ~ 35V Shut down o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover RKING TEMP. Tcase= -40 ~ +80°C (Please refer to "OUTPUT X. CASE TEMP. Tcase= +80°C RKING HUMIDITY 20 ~ 95% RH non-condensing DRAGE TEMP., HUMIDITY -40 ~ +80°C (10 ~ 95% RH MP. COEFFICIENT ± 0.03%/°C (0 ~ 60°C) RATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min UL8750(type"HL"), CSA C22.2 No. 250.0-08, E GB19510.1, GB19510.14, EAC TP TC 004, KC6 J61347-1, J61347-2-13 (except for B,AB and D CHATION RESISTANCE I/P-O/P.3.75KVAC I/P-FG:2KVAC O/P-FG LATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC C EMISSION Note.8 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11 CKV), EAC TP TC 020 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11 CKWG 0.73Kg; 20pcs/15.6Kg/0.9CUFT All parameters NOT specially mentioned are measured at 230VAC input, ra Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted Tolerance : includes set up tolera	DRT CIRCUIT Hiccup mode, recovers automatically after fault condition is removed. ER VOLTAGE 18 ~ 24V 23 ~ 30V 28 ~ 35V 35 ~ 43V ER VOLTAGE Shut down o/p voltage, re-power on to recover ER TEMPERATURE Shut down o/p voltage, re-power on to recover RKING TEMP. Tcase= -40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMF X. CASE TEMP. Tcase= +80°C RKING HUMIDITY 20 ~ 95% RH non-condensing DRAGE TEMP., HUMIDITY -40 ~ +80°C (10 ~ 95% RH MP. COEFFICIENT ± 0.03%/°C (0 ~ 60°C) RATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, 'UL8750(type"HL"), CSA C22.2 No. 250.0-08, BS EN/EN/AS/N GB19510.1,GB19510.14,EAC TP TC 004,KC61347-1,KC613-J61347-1,J61347-2-13 (except for B,AB and D-type); design THSTAND VOLTAGE I/P-O/P: J/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% R C EMISSION Note.8 Compliance to BS EN/EN5015, BS EN/EN61000-3-2 Class C (EAC TP TC 020 BF 1132K hrs min. Telcordia SR-332 (Bellcore) ; 338K hrs min. IENSION 171*61.5*36.8mm (L*W*H) CHIMUNITY 0.73Kg; 20pcs/15.6Kg/0.9CUFT All parameters NOT specially mentioned are measured at 230VAC input, rated current and Ripple & noise are me	I8 ~ 24V 23 ~ 30V 28 ~ 35V 35 ~ 43V 41 ~ 49V Shut down o/p voltage, re-power on to recover ER TEMPERATURE Shut down o/p voltage, re-power on to recover RKING TEMP. Tcase= +40 ~ +80 °C (Please refer to "OUTPUT LOAD vs TEMPERATURE" sect X. CASE TEMP. Tcase= +80 °C RKING HUMIDITY 20 ~ 95% RH non-condensing DRAGE TEMP., HUMIDITY 40 ~ +80 °C (10 ~ 95% RH MP. COEFFICIENT ± 0.03%/°C (0 ~ 60 °C) RATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type*HL"), CSA C22.2 No. 250.0-08, BS EN/EN/ASI/X25 61347-1.BS GB 19510.1, GB 19510.14, EAC TP TC 004, KC61347-1.KC61347-2-13 (except for B,AB and D-type); design refer to BS EN/E HSTAND VOLTAGE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500/DC / 25°C / 70% RH C EMISSION Note.8 Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@ load≧60%); EAC TP TC 020 C IMMUNITY Compliance to BS EN/EN50100-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry 12 ZKV), EAC TP TC 020 BF 1132K hrs min. Telcordia SR-332 (Bellcore); 338K hrs min. MIL-HDBK-217I Th*1.5*36.8mm (L*W*H) O.73Kg; 20pcs/15.6Kg/0.9CUFT All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambien Ripble & noise	DRT CIRCUIT Hiccup mode, recovers automatically after fault condition is removed ER VOLTAGE 18 ~ 24V 23 ~ 30V 28 ~ 35V 35 ~ 43V 41 ~ 49V 48 ~ 58V Shut down o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover 41 ~ 49V 48 ~ 58V ER TEMPERATURE Shut down o/p voltage, re-power on to recover 5000000000000000000000000000000000000	DRT CIRCUIT Hiccup mode, recovers automatically after fault condition is removed ER VOLTAGE 18 ~ 24V 23 ~ 30V 28 ~ 35V 35 ~ 43V 41 ~ 49V 48 ~ 58V 54 ~ 65V Shut down o/p voltage, re-power on to recover ER TEMPERATURE Shut down o/p voltage, re-power on to recover ER TEMPERATURE Shut down o/p voltage, re-power on to recover KING TEMP. Tcase= +40°C Tcase= +40°C Ease= +40°C Ease= +40°C RKING HUMIDITY 20 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY 20 ~ 95% RH RAGE TEMP, HUMIDITY 40 ~ + 80°C, 10 ~ 95% RH PR COEFFICIENT ± 0.03%/°C (0 ~ 60°C) RATION 10 ~ 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), CSA C22 2 No. 250.0-08, BS EN/EN/AS/NZS 61347-1,BS EN/EN/AS/NZS 61347-2-13 (except for AB-type), 1451371, 141347-2-13 (except for B, AB and D-type); design refer to BS EN/EN60335-1(by request) THSTAND VOLTAGE I/P -0/P: 3.75KVAC I/P -FG: 1.5KVAC I/P -0/P: 3.75KVAC I/P -FG: 1.5KVAC LATOR RESISTANCE I/P -0/P: 3.75KVAC I/P -FG: 1.5KVAC I/P -0/P: 3.75KVAC I/P -0/P: 3.75KVAC I/P -0/P: 3.75KVAC I/P -1/P: 5.0/P - FG: 1.5KVAC I/P -0/P: 1.5%C C I/P -0/P: 1.5%C C I/P -0/P: 1.5%C C I/P -0/P: 1.5%C/P C I/P -0/P: 1.5%C C I/P -0/P: 1					





Typical output current normalized by rated current (%)

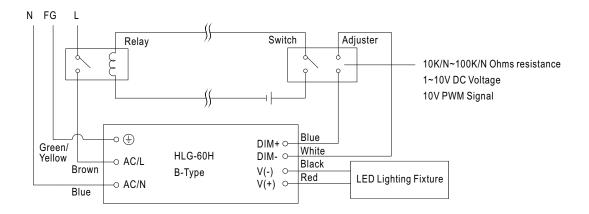






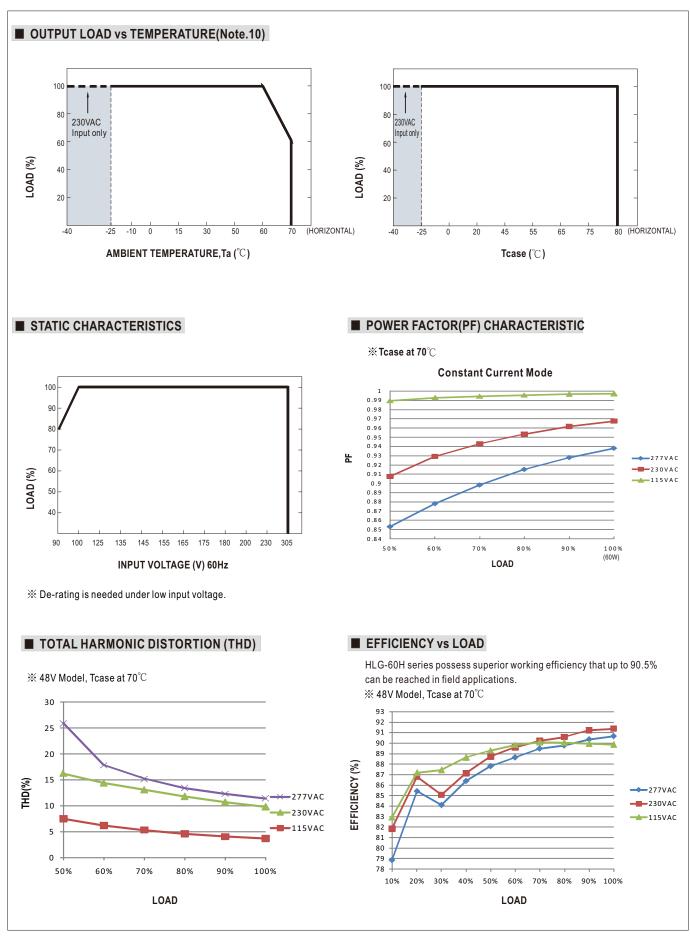
HLG-60H series

Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



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

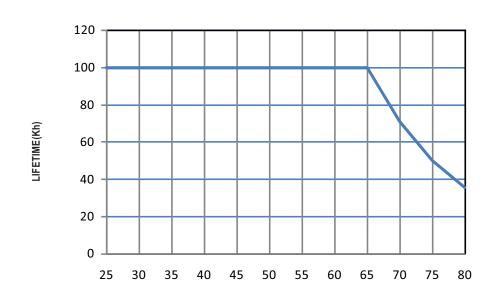






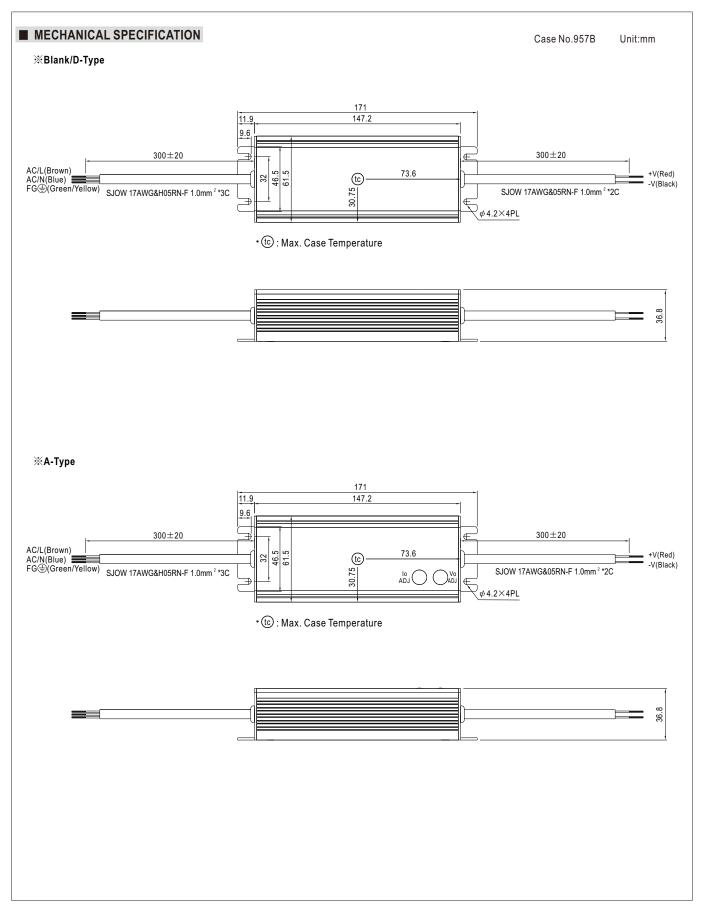
HLG-60H series

LIFE TIME

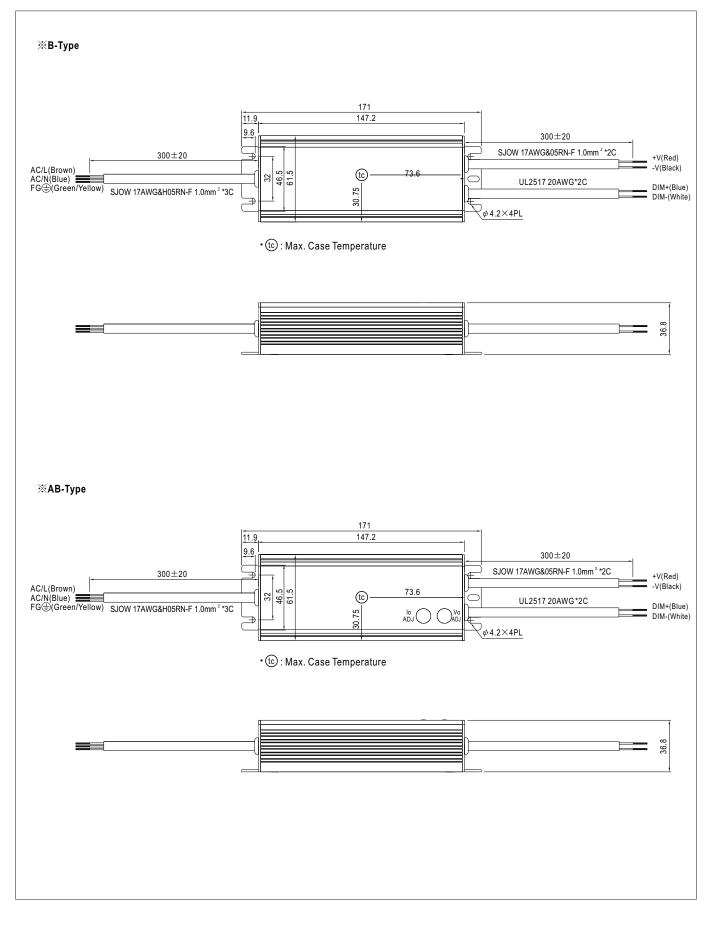


Tcase ($^\circ\!C$)







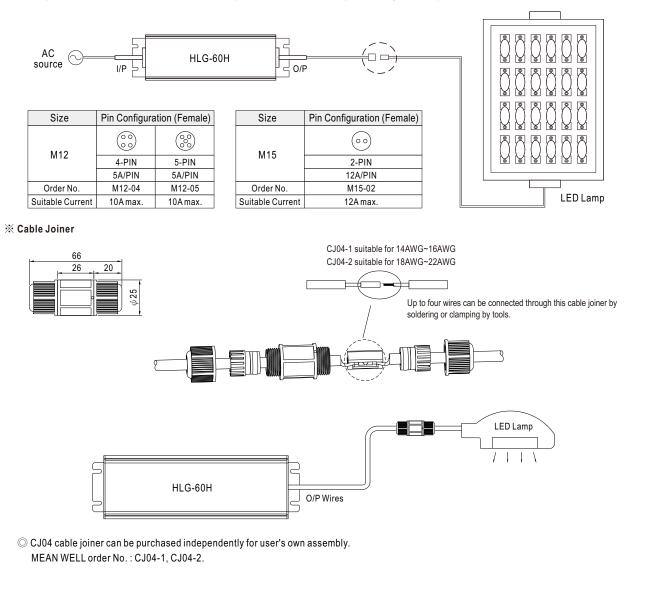




WATERPROOF CONNECTION

$\% \ {\rm Waterproof \ connector}$

Waterproof connector can be assembled on the output cable of HLG-60H to operate in dry/wet/damp or outdoor environment.



INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html