



































Features

- Constant Voltage + Constant Current mode output
- Metal housing with class 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

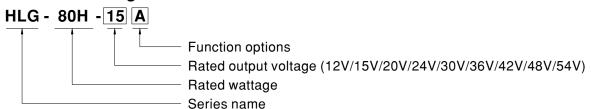
Applications

- · 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.

Description

HLG-80H series is a 80W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-80H operates from 90 ~ 305VAC and offers models with different rated voltage rangingbetween 12V and 54V. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40°C ~ +80°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-80H 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
Blank	IP67	Io and Vo fixed	In Stock
Α	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 adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
BL	IP66	B-Type with junction box. UL8750 LISTED. Contact MEAN WELL for details	By request
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request



SPECIFICATION

		HLG-80H-12	HLG-80H-15	HLG-80H-20	HLG-80H-24	HLG-80H-30	HLG-80H-36	HLG-80H-42	HLG-80H-48	HLG-80H-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
ОИТРИТ	CONSTANT CURRENT REGION Note.4	7.2 ~12V	9 ~ 15V	12 ~ 20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V
	RATED CURRENT	5A	5A	4A	3.4A	2.7A	2.3A	1.95A	1.7A	1.5A
	RATED POWER	60W	75W	80W	81.6W	81W	82.8W	81.9W	81.6W	81W
	RIPPLE & NOISE (max.) Note.2		150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	Tall Tall		r A-Type only (200трр
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V		17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
		Adjustable for A/AB-Type only (via built-in potentiometer)								
	CURRENT ADJ. RANGE	3 ~ 5A	3 ~ 5A	2.4 ~ 4A	2.04 ~ 3.4A	1.62 ~ 2.7A	1.38 ~ 2.3A	1.17 ~ 1.95A	1 02 ~ 1 7Δ	0.9 ~ 1.5A
	VOLTAGE TOLERANCE Note.3		±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%
						⊥ 0.5 /6	⊥ 0.5 /6	⊥ 0.5/6	1 10.5 /6	_ ⊥ 0.5 /6
		1200ms,200r		-	230VAC					
INPUT	HOLD UP TIME (Typ.)	16ms at full load 230VAC /115VAC								
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC								
		`	(Please refer to "STATIC CHARACTERISTIC" section)							
	FREQUENCY RANGE	47 ~ 63Hz		0/000/// 0.55	> 0 0 1/0771/4	006111				
	POWER FACTOR (Typ.)		PF≥0.96/115VAC, PF≥0.96/230VAC, PF≥0.94/277VAC @ full load							
	(7)	,	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)							
	TOTAL HARMONIC DISTORTION	, ,	@ load≥60% <i>i</i>				.C)			
		(Please refe	r to "TOTAL HA	1	STORTION (TH	ID)" section)		T		T
	EFFICIENCY (Typ.)	88%	89%	90%	90.5%	91%	91%	91%	91%	91%
	AC CURRENT (Typ.)	0.85A / 115VA	C 0.425	A / 230VAC	0.4A / 277V	AC .				
	INRUSH CURRENT (Typ.)	COLD START	70A(twidth=485)	μs measured a	t 50% Ipeak) at	230VAC; Per NI	EMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA / 27	7VAC							
	OVER CURRENT	95 ~ 108%								
	OVER CURRENT	Constant curr	ent limiting, red	covers automa	itically after fau	ılt condition is r	emoved			
	SHORT CIRCUIT	Hiccup mode	recovers auto	matically after	fault condition	is removed				
PROTECTION		14 ~ 17V	18 ~ 24V	23 ~ 30V	28 ~ 35V	35 ~ 43V	41 ~ 49V	48 ~ 58V	54 ~ 63V	59 ~ 68V
		14 ~ 17 V	110 271	20 001						
	OVER VOLTAGE		p voltage, re-po							
		Shut down o/p		ower on to reco	over					
	OVER TEMPERATURE	Shut down o/p	p voltage, re-po p voltage, re-po	ower on to reco	over	s TEMPERATU	JRE" section)			
	OVER TEMPERATURE WORKING TEMP.	Shut down o/p Shut down o/p Tcase= -40 ~	p voltage, re-po p voltage, re-po +80°C (Please	ower on to reco	over	s TEMPERATU	JRE" section)			
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP.	Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +80°C	p voltage, re-po p voltage, re-po +80°C (Please	ower on to reco	over	s TEMPERATU	JRE" section)			
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY	Shut down o/y Shut down o/y Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH	p voltage, re-pc p voltage, re-pc +80°C (Please non-condensir	ower on to reco	over	s TEMPERATU	JRE" section)			
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Shut down o/y Shut down o/y Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C,	p voltage, re-po p voltage, re-po +80℃ (Please non-condensir 10 ~ 95% RH	ower on to reco	over	s TEMPERATU	JRE" section)			
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (p voltage, re-pc p voltage, re-pc +80°C (Please C non-condensir 10 ~ 95% RH (0 ~ 60°C)	ower on to recc ower on to recc e refer to "OU"	over TPUT LOAD v		,			
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Shut down o/n Shut down o/n Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5	p voltage, re-pc p voltage, re-pc +80°C (Please conon-condensir 10 ~ 95% RH (0 ~ 60°C)	ower on to reco	over TPUT LOAD v	ong X, Y, Z axe	s	. 61247 1 ENI/AS	IN7S 612A7 2.1	3 independe
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Shut down o/n Shut down o/n Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"h	p voltage, re-pc p voltage, re-pc +80°C (Please non-condensir 10 ~ 95% RH (0 ~ 60°C) 6G 12min./1cyc HL"), CSA C22.2	bwer on to reco	over TPUT LOAD v 72min. each al	ong X, Y, Z axe for HLG-80H-□	s BL;EN/AS/NZS	61347-1,EN/AS		•
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Shut down o/n Shut down o/n Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"h optional mode	p voltage, re-pc p voltage, re-pc +80°C (Please non-condensir 10 ~ 95% RH (0 ~ 60°C) 6G 12min./1cyc HL"), CSA C22.2	bwer on to reco	TPUT LOAD v 72min. each al UL8750 LISTED	ong X, Y, Z axe for HLG-80H-⊏ GB19510.14,EA	s IBL;EN/AS/NZS	BIS IS15885(for	36A,54A only)	•
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K	p voltage, re-po p voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH (0 ~ 60°C) 6G 12min./1cyo dL"), CSA C22.2 els for J61347-′ C61347-2-13(e	ower on to reco	72min. each al UL8750 LISTED 3, GB19510.1,C	ong X, Y, Z axe for HLG-80H-⊏ BB19510.14,EA red; Design refo	s IBL;EN/AS/NZS	,	36A,54A only)	•
ENVIRONMENT SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C, ±0.03%'°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K I/P-O/P:3.75	p voltage, re-po p volt	bwer on to reco	72min. each al UL8750 LISTED 8, GB19510.1,C 8L-type) approv	ong X, Y, Z axe l for HLG-80H-⊏ GB19510.14,EA ved; Design refe kC	s IBL;EN/AS/NZS	BIS IS15885(for	36A,54A only)	•
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE ISOLATION RESISTANCE	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%'°C (10 ~ 500Hz, 5 UL8750(type"Hoptional mode KC61347-1,K I/P-O/P:3.75	p voltage, re-po p volt	bwer on to reco	72min. each al JUL8750 LISTED 3, GB19510.1,C 3L-type) approv /P-FG:1.5KVA	ong X, Y, Z axe for HLG-80H-⊏ GB19510.14,EA /ed; Design refo AC 70% RH	s IBL;EN/AS/NZS IC TP TC 004,E er to UL60950-	BIS IS15885(for 1, TUV EN6095	36A,54A only) 50-1	,IP65 or IP67
ENVIRONMENT SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION Note.8	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to	p voltage, re-po p volt	bwer on to reco	72min. each al UL8750 LISTED 3, GB19510.1,C 3BL-type) approv /P-FG:1.5KVA	ong X, Y, Z axe for HLG-80H-□ 6B19510.14,EA red; Design refo	s IBL;EN/AS/NZS IC TP TC 004,E er to UL60950-	BIS IS15885(for 1, TUV EN6095 743 and GB176	36A,54A only) 50-1 625.1, EAC TP	,IP65 or IP67
ENVIRONMENT SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION Note.8	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K I/P-O/P;3.75 I/P-O/P, I/P-F Compliance to	p voltage, re-po p volt	bwer on to reco bwer on to reco e refer to "OU" ble, period for No. 250.0-08, t 1, J61347-2-13 except for AB,E G:2KVAC O 00M Ohms / 50 N61000-3-2 Cl. 3,4,5,6,8,11, EN	72min. each al UL8750 LISTED 3, GB19510.1,C 8L-type) approv /P-FG:1.5KVA 00VDC / 25°C / ass C (@ load	ong X, Y, Z axe for HLG-80H-□ 6B19510.14,EA red; Design reform AC 70% RH ≥60%); EN61	s IBL;EN/AS/NZS IC TP TC 004,6 or to UL60950- 000-3-3,GB17 ge immunity Lii	3IS IS15885(for 1, TUV EN6095 743 and GB176 ne-Earth 4KV, Li	36A,54A only) 50-1 625.1, EAC TP	,IP65 or IP67
ENVIRONMENT SAFETY & EMC	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION Note.8 EMC IMMUNITY	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K I/P-O/P;3.75 I/P-O/P, I/P-F Compliance to Compliance to	p voltage, re-po p voltage, re-po p voltage, re-po p voltage, re-po p voltage, re-po p voltage, re-po p non-condensir 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyo dL"), CSA C22.2 els for J61347-2-13(e KVAC I/P-FO p EN55015, EN p EN61000-4-2, on. Telcordia	bwer on to reco bwer on to reco e refer to "OU" ble, period for No. 250.0-08, t 1, J61347-2-13 except for AB,E G:2KVAC O 00M Ohms / 50 N61000-3-2 Cl 3,4,5,6,8,11, EN SR-332 (Bellc	72min. each al UL8750 LISTED 3, GB19510.1,C 3BL-type) approv /P-FG:1.5KVA	ong X, Y, Z axe for HLG-80H-□ 6B19510.14,EA red; Design reform AC 70% RH ≥60%); EN61	s IBL;EN/AS/NZS IC TP TC 004,E er to UL60950-	3IS IS15885(for 1, TUV EN6095 743 and GB176 ne-Earth 4KV, Li	36A,54A only) 50-1 625.1, EAC TP	,IP65 or IP67
ENVIRONMENT SAFETY & EMC	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION Note.8	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C, 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to 1069K hrs min 195.6*61.5*3	p voltage, re-po p voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH (0 ~ 60°C) 6G 12min./1cyc dL"), CSA C22.2 els for J61347-' C61347-2-13(e KVAC I/P-FC FG, O/P-FG:10 to EN55015, EN to EN61000-4-2,3 n. Telcordia 8.8mm (L*W*H	bwer on to reco bwer on to reco e refer to "OU" ble, period for "No. 250.0-08, the period for Another Security of Another Security of the period for Anot	72min. each al UL8750 LISTED 3, GB19510.1,C 8L-type) approv /P-FG:1.5KVA 00VDC / 25°C / ass C (@ load	ong X, Y, Z axe for HLG-80H-□ 6B19510.14,EA red; Design reform AC 70% RH ≥60%); EN61	s IBL;EN/AS/NZS IC TP TC 004,6 or to UL60950- 000-3-3,GB17 ge immunity Lii	3IS IS15885(for 1, TUV EN6095 743 and GB176 ne-Earth 4KV, Li	36A,54A only) 50-1 625.1, EAC TP	,IP65 or IP67
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION Note.8 EMC IMMUNITY	Shut down o/ly Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%'°C (10 ~ 500Hz, 5 UL8750(type"H optional mode KC61347-1,K I/P-O/P;3.75 I/P-O/P, I/P-F Compliance to 1069K hrs min 195.6*61.5*3i 0.84Kg; 16pcs	p voltage, re-pc voltage, re-p	bwer on to reco bwer on to reco e refer to "OU" ble, period for "No. 250.0-08, t 1, J61347-2-13 except for AB,E G:2KVAC O 00M Ohms / 50 N61000-3-2 Cl. 3,4,5,6,8,11, EN SR-332 (Bello)	72min. each al UL8750 LISTED 3, GB19510.1,C 8L-type) approv /P-FG:1.5KVA 00VDC / 25°C / ass C (@ load N61547, light in ore); 357.8K h	ong X, Y, Z axe for HLG-80H-□ 6B19510.14,EA /ed; Design reforc AC 70% RH ≥ 60%); EN61 dustry level (sur	s IBL;EN/AS/NZS IC TP TC 004,6 or to UL60950- 000-3-3,GB17 ge immunity Lit HDBK-217F (2	3IS IS15885(for 1, TUV EN6095 743 and GB176 ne-Earth 4KV, Li 25°C)	36A,54A only) 50-1 625.1, EAC TP	,IP65 or IP67

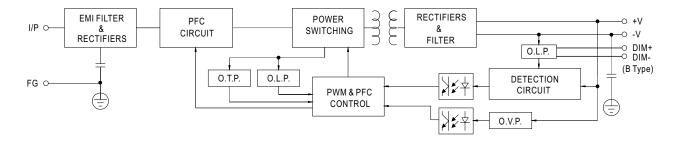
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. Please refer to "DRIVING METHODS OF LED MODULE".
- 5. De-rating may be needed 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.
- 8. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.
- 9. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to) point (or TMP, per DLC), is about 75°C or less.
- 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.
- 11. 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(6500ft).
- 12. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED EN.pdf

Downloaded from Arrow.com. File Name:HLG-80H-SPEC 2018-12-17



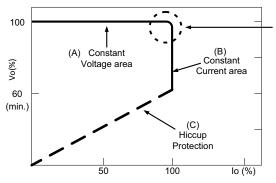
■ BLOCK DIAGRAM

Fosc: 100KHz



■ 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.



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.

Typical output current normalized by rated current (%)

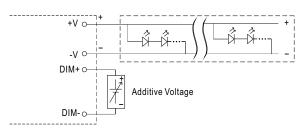


■ DIMMING OPERATION



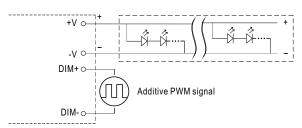
imes 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
 A 10/100 and 0 / DIVIM investment in the second of the three methodologies between DIM+ and DIM-:
 - 1 ~ 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: 100µA (typ.)
- O Applying additive 1 ~ 10VDC



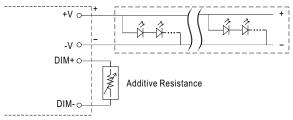
"DO NOT connect "DIM- to -V"

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

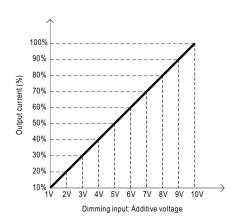


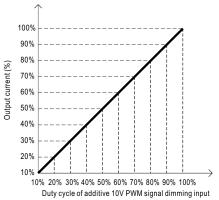
"DO NOT connect "DIM- to -V"

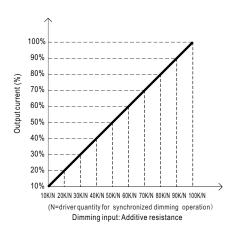
Applying additive resistance:



"DO NOT connect "DIM- to -V"

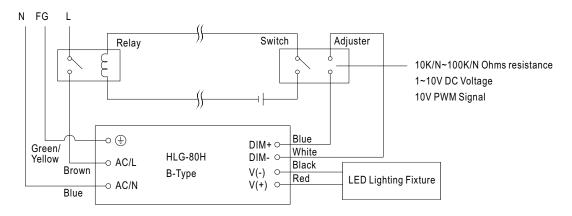








Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



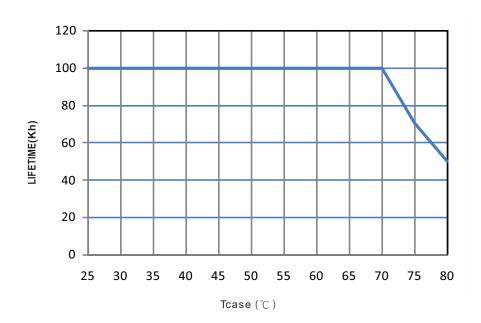
Using a switch and relay can turn ON/OFF the lighting fixture.



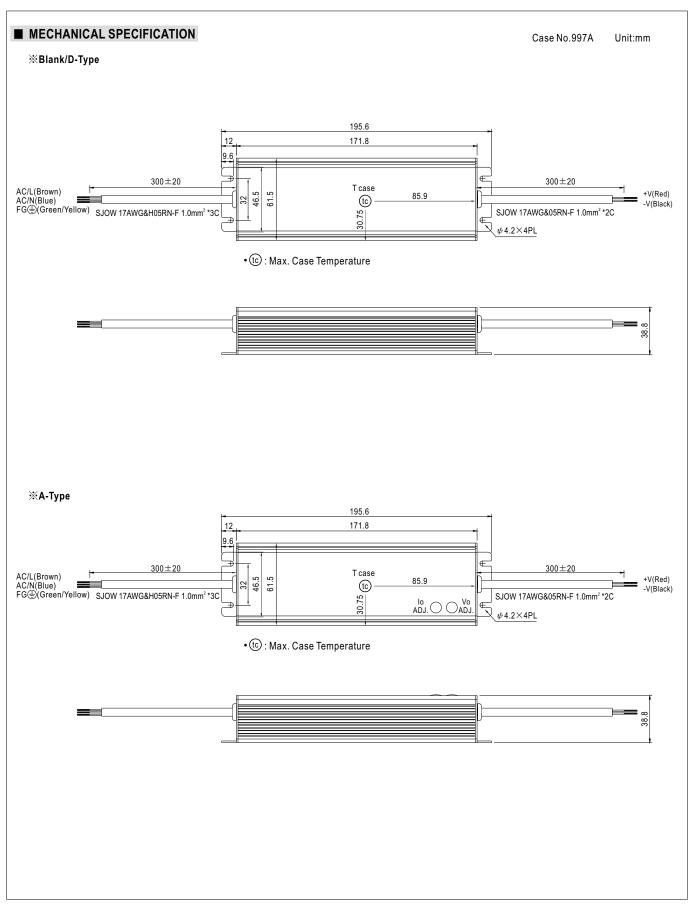
■ OUTPUT LOAD vs TEMPERATURE(Note.10) 100 80 80 230VAC Input only 60 40 40 20 20 80 (HORIZONTAL) 75 (HORIZONTAL) -40 20 55 -40 50 60 Tcase (°C) AMBIENT TEMPERATURE, Ta (°C) **■ POWER FACTOR(PF) CHARACTERISTIC** ■ STATIC CHARACTERISTICS ★ Tcase at 70°C **Constant Current Mode** 100 1.00 0.98 0.96 0.94 0.92 **-**277Vac 0.90 60 0.88 **1** 230 Vac 0.86 50 **├**115Vac 0.84 0.82 0.80 0.78 145 155 165 175 180 200 230 305 50% 60% 70% 80% 90% 100% INPUT VOLTAGE (V) 60Hz (80W) LOAD X De-rating is needed under low input voltage. **■** EFFICIENCY vs LOAD ■ TOTAL HARMONIC DISTORTION (THD) HLG-80H series possess superior working efficiency that up to 91% ¾ 48V Model, Tcase at 70°C can be reached in field applications. ¾ 48V Model, Tcase at 70°C 18 14 88 12 **EFFICIENCY (%)** 10 80 -277Vac 277VAC THD(%) **1**−230Vac 76 -230VAC -115Vac -115VAC 72 4 68 2 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% 50% 60% 70% 80% 90% 100% LOAD LOAD



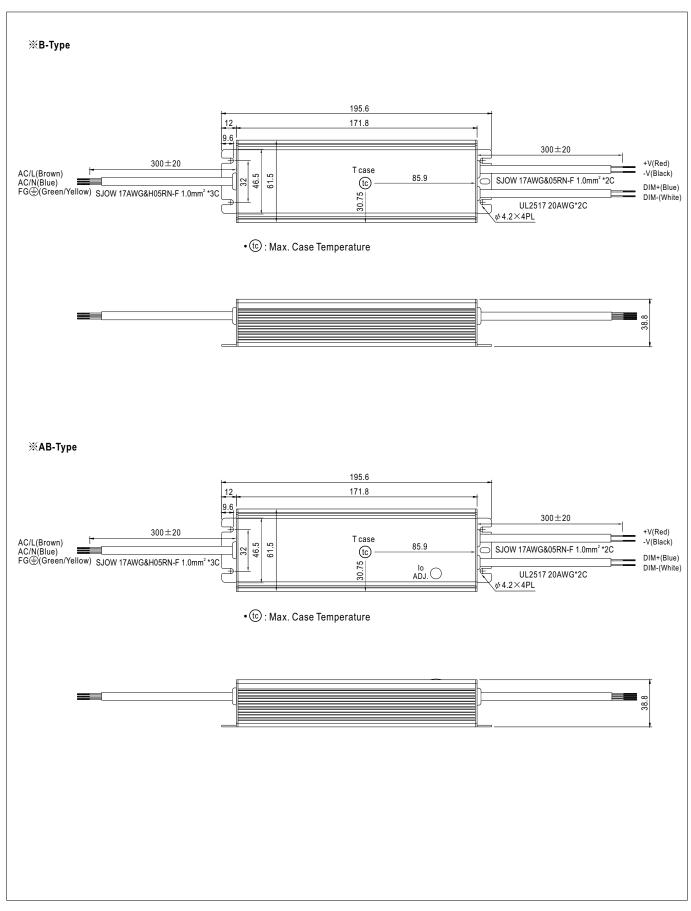
■ LIFE TIME









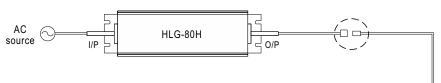




■ WATERPROOF CONNECTION

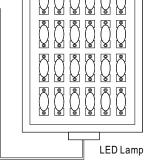
※ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-80H to operate in dry/wet/damp or outdoor environment.

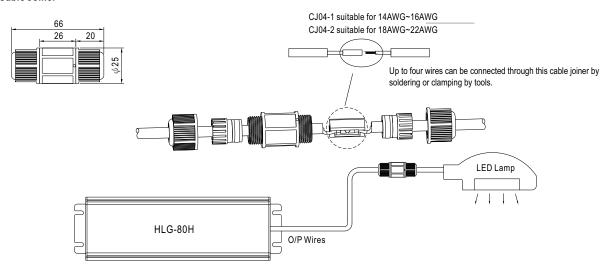


Size	Pin Configuration (Female)			
M12	000	000		
IVITZ	4-PIN	5-PIN		
	5A/PIN	5A/PIN		
Order No.	M12-04	M12-05		
Suitable Current	10A max.	10A max.		

Size	Pin Configuration (Female)	
M15	00	
IVITS	2-PIN	
	12A/PIN	
Order No.	M15-02	
Suitable Current	12A max.	

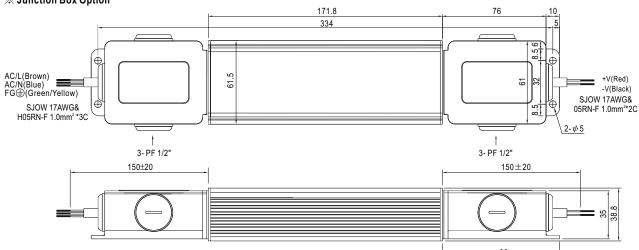


X Cable Joiner



© CJ04 cable joiner can be purchased independently for user's own assembly. MEAN WELL order No.: CJ04-1, CJ04-2.

※ Junction Box Option



- □ Junction box option is available for A / B / Blank Type. Please contact MEAW WELL for details.

 □ HLG-80H-□BL models with junction box on both input and output sides are UL LISTED approved(modified by B type only).
- **INSTALLATION MANUAL**

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