

· LED street lighting

LED fishing lamp

GTIN CODE

LED high-bay lighting

Parking space lighting

LED greenhouse lighting

Type "HL" for use in Class I , Division 2

MW Search: https://www.meanwell.com/serviceGTIN.aspx

hazardous (Classified) location.









- 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

#### 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  $^{\circ}$ 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-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 HLG - 80H - 15 A Function options Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V) Rated wattage Series name

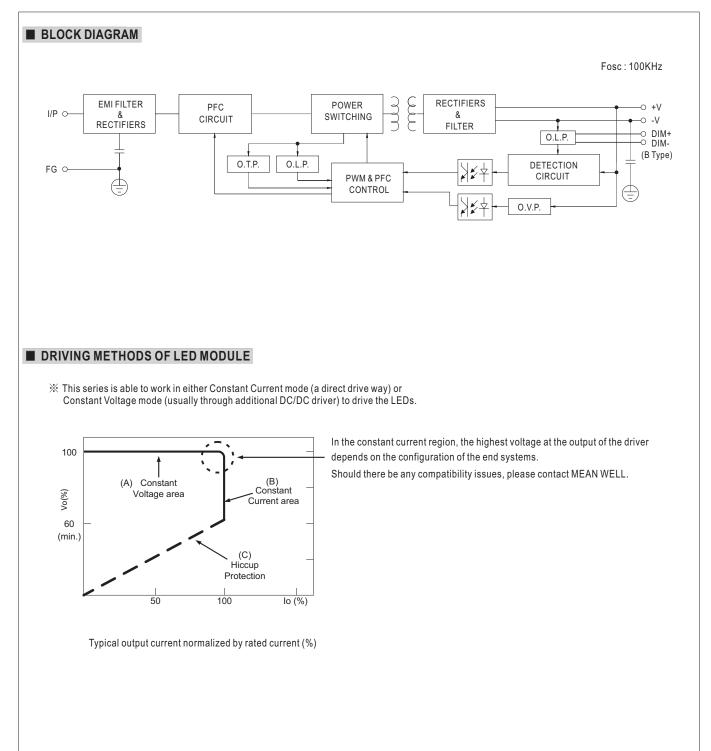
Туре	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 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 func Downloaded From Onevac.com r details(safety pending).	By request



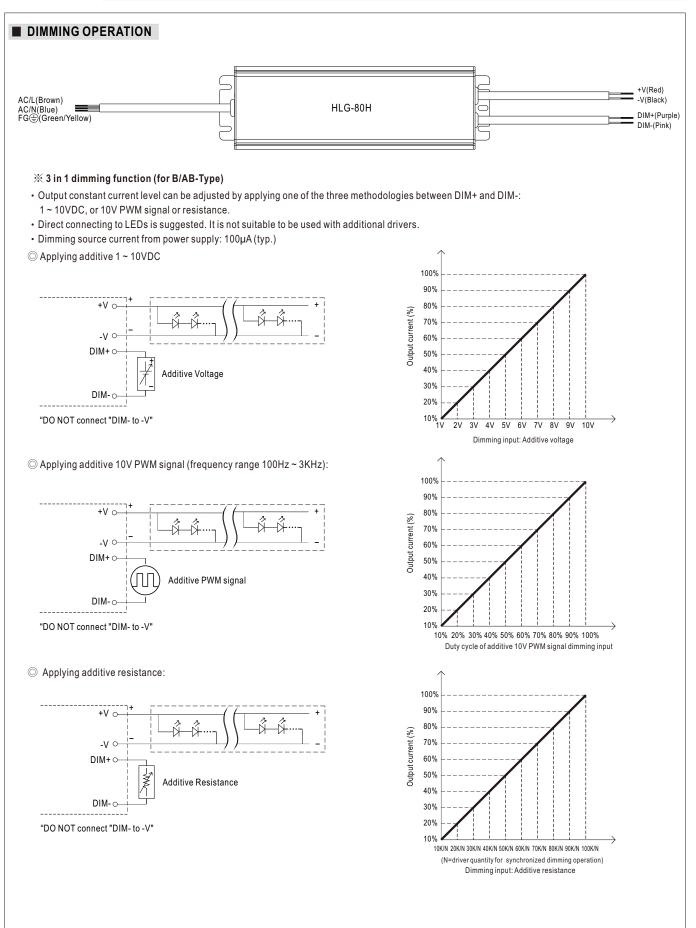
#### SPECIFICATION

C VOLTAGE ONSTANT CURRENT REGION Note. RATED CURRENT CATED POWER RIPPLE & NOISE (max.) Note. OLTAGE ADJ. RANGE CURRENT ADJ. RANGE CURRENT ADJ. RANGE COLTAGE TOLERANCE Note.3 INE REGULATION OAD REGULATION COLTAGE TIME Note.1 INC REGULATION COLTAGE RANGE Note.5 REQUENCY RANGE COLTAGE RANGE	5A 60W 150mVp-p Adjustable fo 10.8 ~ 13.5V Adjustable fo 3 ~ 5A ± 2.5% ± 0.5% ± 2.0% 1200ms,200t 16ms at full lo 90 ~ 305VAC (Please refer	15V 9~15V 5A 75W 150mVp-p rA-Type only 13.5~17V rA/AB-Type o 3~5A ±2.0% ±0.5% ±1.5% ms/115VAC 5 ad 230VAC	HLG-80H-20     20∨     12 ~ 20∨     4A     80W     150mVp-p     (via built-in po     17 ~ 22∨     nly (via built-in     2.4 ~ 4A     ± 1.0%     ± 0.5%     ± 1.0%     500ms,200ms/z	22 ~ 27V potentiomete 2.04 ~ 3.4A ± 1.0% ± 0.5% ± 0.5%	HLG-80H-30   30∨   18 ~ 30∨   2.7A   81W   200mVp-p   27 ~ 33∨   ≥r)   1.62 ~ 2.7A   ± 1.0%   ± 0.5%   ± 0.5%	HLG-80H-36 36V 21.6 ~ 36V 2.3A 82.8W 200mVp-p 33 ~ 40V 1.38 ~ 2.3A ± 1.0% ± 0.5%	HLG-80H-42 42V 25.2 ~ 42V 1.95A 81.9W 200mVp-p 38 ~ 46V 1.17 ~ 1.95A ± 1.0%	HLG-80H-48 48V 28.8 ~ 48V 1.7A 81.6W 200mVp-p 43 ~ 53V 1.02 ~ 1.7A	HLG-80H-54 54V 32.4 ~ 54V 1.5A 81W 200mVp-p 49 ~ 58V		
ONSTANT CURRENT REGION Note. AATED CURRENT AATED POWER RIPPLE & NOISE (max.) Note. OLTAGE ADJ. RANGE OLTAGE TOLERANCE Note.3 INE REGULATION OAD REGULATION SETUP, RISE TIME Note.1 IOLD UP TIME (Typ.) OLTAGE RANGE Note.5 REQUENCY RANGE	7.2 ~12V 5A 60W 150mVp-p Adjustable for 10.8 ~ 13.5V Adjustable for 3 ~ 5A ± 2.5% ± 0.5% ± 2.0% 1200ms,200n 16ms at full loc 90 ~ 305VAC (Please refer	9 ~ 15V 5A 75W 150mVp-p rA-Type only 13.5 ~ 17V rA/AB-Type o 3 ~ 5A ± 2.0% ± 0.5% ± 1.5% ms/115VAC 5 ad 230VAC	$\begin{array}{c} 12 \sim 20V \\ 4A \\ 80W \\ 150mVp-p \\ (via built-in po \\ 17 \sim 22V \\ nly (via built-in \\ 2.4 \sim 4A \\ \pm 1.0\% \\ \pm 0.5\% \\ \pm 1.0\% \\ 00ms, 200ms/ \end{array}$	$\begin{array}{c} 14.4 \sim 24 V\\ 3.4A\\ 81.6W\\ 150mVp-p\\ tentiometer)\\ 22 \sim 27 V\\ potentiomete\\ 2.04 \sim 3.4A\\ \pm 1.0\%\\ \pm 0.5\%\\ \pm 0.5\%\\ \end{array}$	18 ~ 30V 2.7A 81W 200mVp-p 27 ~ 33V er) 1.62 ~ 2.7A ± 1.0% ± 0.5%	21.6 ~ 36V 2.3A 82.8W 200mVp-p 33 ~ 40V 1.38 ~ 2.3A ± 1.0%	25.2 ~ 42V 1.95A 81.9W 200mVp-p 38 ~ 46V 1.17 ~ 1.95A	28.8 ~ 48V 1.7A 81.6W 200mVp-p 43 ~ 53V	32.4 ~ 54V 1.5A 81W 200mVp-p		
ATED CURRENT ATED POWER UPPLE & NOISE (max.) Note. VOLTAGE ADJ. RANGE URRENT ADJ. RANGE VOLTAGE TOLERANCE Note.3 INE REGULATION OAD REGULATION SETUP, RISE TIME Note.1 IOLD UP TIME (Typ.) VOLTAGE RANGE Note.5	5A 60W 150mVp-p Adjustable fo 10.8 ~ 13.5V Adjustable fo 3 ~ 5A ± 2.5% ± 0.5% ± 2.0% 1200ms,200t 16ms at full lo 90 ~ 305VAC (Please refer	5A 75W 150mVp-p r A-Type only 13.5 ~ 17V r A/AB-Type o 3 ~ 5A ± 2.0% ± 0.5% ± 1.5% ms/115VAC 5 ad 230VAC	4A 80W 150mVp-p (via built-in po 17 ~ 22V nly (via built-ir 2.4 ~ 4A ± 1.0% ± 0.5% ± 1.0% 00ms,200ms/	$\begin{array}{c} 3.4A \\ 81.6W \\ 150mVp-p \\ tentiometer) \\ 22 \sim 27V \\ potentiomete \\ 2.04 \sim 3.4A \\ \pm 1.0\% \\ \pm 0.5\% \\ \pm 0.5\% \end{array}$	2.7A 81W 200mVp-p 27 ~ 33V er) 1.62 ~ 2.7A ± 1.0% ± 0.5%	2.3A 82.8W 200mVp-p 33~40V 1.38~2.3A ±1.0%	1.95A 81.9W 200mVp-p 38 ~ 46V 1.17 ~ 1.95A	1.7A 81.6W 200mVp-p 43 ~ 53V	1.5A 81W 200mVp-p		
ATED POWER RIPPLE & NOISE (max.) Note.: OLTAGE ADJ. RANGE OLTAGE TOLERANCE Note.: INE REGULATION OAD REGULATION OAD REGULATION INE REGULATION OAD REGULATION IOLD UP TIME (Typ.) OLTAGE RANGE Note.5	60W Adjustable for 10.8 ~ 13.5V Adjustable for 3 ~ 5A ± 2.5% ± 0.5% ± 2.0% 1200ms,200n 16ms at full lo 90 ~ 305VAC (Please refer	75W 150mVp-p rA-Type only 13.5 ~ 17V rA/AB-Type o 3 ~ 5A ± 2.0% ± 0.5% ± 1.5% ms/115VAC 5 rad 230VAC	80W 150mVp-p (via built-in po 17 ~ 22V nly (via built-in 2.4 ~ 4A ± 1.0% ± 0.5% ± 1.0% 500ms,200ms/200ms/20000000000		81W 200mVp-p 27 ~ 33V er) 1.62 ~ 2.7A ± 1.0% ± 0.5%	82.8W 200mVp-p 33~40V 1.38~2.3A ±1.0%	81.9W 200mVp-p 38 ~ 46V 1.17 ~ 1.95A	81.6W 200mVp-p 43 ~ 53V	81W 200mVp-p		
IPPLE & NOISE (max.) Note. OLTAGE ADJ. RANGE URRENT ADJ. RANGE OLTAGE TOLERANCE Note.3 INE REGULATION OAD REGULATION OAD REGULATION INE REGULATION OAD REGULATION OLTAGE RANGE Note.5 REQUENCY RANGE	150mVp-p   Adjustable for   10.8 ~ 13.5V   Adjustable for   3 ~ 5A   ± 2.5%   ± 0.5%   ± 2.0%   1200ms,200n   16ms at full lc   90 ~ 305VAC   (Please refer	150mVp-p rA-Type only 13.5 ~ 17V rA/AB-Type o 3 ~ 5A ± 2.0% ± 0.5% ± 1.5% ms/115VAC 5 rad 230VAC	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} 150 \text{mVp-p} \\ \text{tentiometer}) \\ 22 \sim 27 \text{V} \\ \text{potentiomete} \\ 2.04 \sim 3.4 \text{A} \\ \pm 1.0\% \\ \pm 0.5\% \\ \pm 0.5\% \end{array}$	200mVp-p 27 ~ 33V er) 1.62 ~ 2.7A ± 1.0% ± 0.5%	200mVp-p 33~40V 1.38~2.3A ±1.0%	200mVp-p 38 ~ 46V 1.17 ~ 1.95A	200mVp-p 43 ~ 53V	200mVp-p		
OLTAGE ADJ. RANGE	Adjustable for $10.8 \sim 13.5V$ Adjustable for $3 \sim 5A$ $\pm 2.5\%$ $\pm 2.0\%$ $\pm 2.0\%$ 1200ms,200r 16ms at full log $90 \sim 305VAC$ (Please refer	r A-Type only 13.5 ~ 17V r A/AB-Type o 3 ~ 5A ± 2.0% ± 0.5% ± 1.5% ms/115VAC 5 rad 230VAC	(via built-in po 17 ~ 22V nly (via built-ir 2.4 ~ 4A ± 1.0% ± 0.5% ± 1.0% 500ms,200ms/2000ms/200ms/200ms/200ms/20000000000	tentiometer) 22 ~ 27V potentiometer 2.04 ~ 3.4A $\pm 1.0\%$ $\pm 0.5\%$ $\pm 0.5\%$	27 ~ 33V er) 1.62 ~ 2.7A ± 1.0% ± 0.5%	33 ~ 40V 1.38 ~ 2.3A ±1.0%	38 ~ 46V	43~53V			
CURRENT ADJ. RANGE	10.8 ~ 13.5V Adjustable fo 3 ~ 5A ± 2.5% ± 0.5% ± 2.0% 1200ms,200r 16ms at full lo 90 ~ 305VAC (Please refer	13.5 ~ 17V r A/AB-Type o 3 ~ 5A ± 2.0% ± 0.5% ± 1.5% ms/115VAC 5 read 230VAC	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	22 ~ 27V potentiomete 2.04 ~ 3.4A ± 1.0% ± 0.5% ± 0.5%	er) 1.62 ~ 2.7A ± 1.0% ± 0.5%	1.38 ~ 2.3A ±1.0%	1.17 ~ 1.95A		49 ~ 58V		
OLTAGE TOLERANCE Note.3   INE REGULATION   OAD REGULATION   ETUP, RISE TIME Note.1   IOLD UP TIME (Typ.)   OLTAGE RANGE Note.5   REQUENCY RANGE	3~5A ±2.5% ±0.5% ±2.0% 1200ms,200n 16ms at full lo 90~305VAC (Please refer	$3 \sim 5A$ $\pm 2.0\%$ $\pm 0.5\%$ $\pm 1.5\%$ ms/115VAC 5 read 230VAC	2.4 ~ 4A ± 1.0% ± 0.5% ± 1.0% 500ms,200ms/2	2.04 ~ 3.4A ± 1.0% ± 0.5% ± 0.5%	1.62 ~ 2.7A     ± 1.0%     ± 0.5%	±1.0%		1.02 ~ 1.7A			
OLTAGE TOLERANCE Note.3   INE REGULATION   OAD REGULATION   ETUP, RISE TIME Note.1   IOLD UP TIME (Typ.)   OLTAGE RANGE Note.5   REQUENCY RANGE	± 2.5% ± 0.5% ± 2.0% ■ 1200ms,200n 16ms at full lo 90 ~ 305VAC (Please refer	$\pm 2.0\%$ $\pm 0.5\%$ $\pm 1.5\%$ ms/115VAC 5 mad 230VAC	± 1.0% ± 0.5% ± 1.0%	± 1.0%   ± 0.5%   ± 0.5%	+ 1.0% + 0.5%	±1.0%		1.02 ~ 1.7A			
INE REGULATION OAD REGULATION ETUP, RISE TIME Note.1 IOLD UP TIME (Typ.) OLTAGE RANGE Note.5 REQUENCY RANGE	± 0.5% ± 2.0% 1200ms,200n 16ms at full lo 90 ~ 305VAC (Please refer	±0.5% ±1.5% ms/115VAC 5 ad 230VAC	$\pm 0.5\%$ $\pm 1.0\%$ $\pm 0.00$ ± 1.0%	±0.5% ±0.5%	±0.5%		±1.0%		0.9~1.5A		
OAD REGULATION ETUP, RISE TIME Note.1 IOLD UP TIME (Typ.) OLTAGE RANGE Note.5 REQUENCY RANGE	± 2.0% 1200ms,200n 16ms at full lo 90 ~ 305VAC (Please refer	$\pm$ 1.5% ms/115VAC 5 ad 230VAC	± 1.0% 00ms,200ms/2	±0.5%		$\pm 0.5\%$		±1.0%	±1.0%		
ETUP, RISE TIME Note. IOLD UP TIME (Typ.) OLTAGE RANGE Note.5 REQUENCY RANGE	1200ms,200m 16ms at full lo 90 ~ 305VAC (Please refer	ms/115VAC 5 ad 230VAC	;00ms,200ms/2	1	+0.5%		$\pm 0.5\%$	±0.5%	±0.5%		
IOLD UP TIME (Typ.) OLTAGE RANGE Note.5 REQUENCY RANGE	16ms at full lo 90 ~ 305VAC (Please refer	ad 230VAC		230\/AC		$\pm 0.5\%$	$\pm 0.5\%$	±0.5%	±0.5%		
OLTAGE RANGE Note.5	90 ~ 305VAC (Please refer		144 5 14 0	200040							
REQUENCY RANGE	(Please refer	127 ~ 43	16ms at full load 230VAC /115VAC								
REQUENCY RANGE	(Please refer										
	,										
	47 ~ 63Hz										
OWED EACTOR (Tom)			6/230VAC, PF	>0 01/2771/1	C @ full load						
OWER FACTOR (Typ.)		,	,		U						
	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)										
OTAL HARMONIC DISTORTION	THD< 20% (@ load≧60% / 115VAC,230VAC; @ load≧75% / 277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)										
	· ·			,	, , ,						
FFICIENCY (Typ.)	88%	89%	90%	90.5%	91%	91%	91%	91%	91%		
C CURRENT (Typ.)	0.85A / 115V/		A / 230VAC	0.4A/277VA	-						
NRUSH CURRENT (Typ.)	COLD START	70A(twidth=485	δµs measured a	t 50% Ipeak) at 2	230VAC; Per NE	EMA 410					
IAX. No. of PSUs on 16A	2 unito / -i	t brocker of t	DO D) / 6		of ture () -t o	201/AC					
IRCUIT BREAKER	S units (CIFCU	it breaker of typ	units (	UII CUIL Dreaker	of type C) at 2	JUVAG					
EAKAGE CURRENT	<0.75mA/27	7VAC									
	95 ~ 108%										
VER CURRENT	Constant current limiting, recovers automatically after fault condition is removed										
HORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed										
	14 ~ 17V	18 ~ 24V	23 ~ 30V	28 ~ 35V	35 ~ 43V	41~49V	48~58V	54 ~ 63V	59~68V		
VER VOLTAGE			ower on to reco		00 400	1 450	40 300	J <del>7</del> 03V	55 000		
			ower on to reco								
VORKING TEMP.		- (	e refer to "OU	IPUI LOAD V	s TEMPERATU	JRE" section)					
IAX. CASE TEMP.	Tcase= +80°	-									
VORKING HUMIDITY		non-condensi	ng								
TORAGE TEMP., HUMIDITY	-40 ~ +80°C,	10 ~ 95% RH									
EMP. COEFFICIENT	±0.03%/°C	(0∼60°C)									
IBRATION	10 ~ 500Hz, 5	5G 12min./1cyd	cle, period for	72min. each al	ong X, Y, Z axe	S					
	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), CSA C22.2 No. 250.0-08, UL8750 LISTED for HLG-80H-□BL;BS EN/EN/AS/NZS 61347-1,BS EN/EN/AS/NZS 61347-2-										
AFETY STANDARDS Note.											
	54A only), IP65 or IP67,KC61347-1,KC61347-2-13(except for AB,BL-type) approved										
VITHSTAND VOLTAGE			G:2KVAC O			,					
SOLATION RESISTANCE											
SOLATION REGISTANCE			00M Ohms / 50				N/EN61000.0.1	CB177/2 and	CB1760E		
MC EMISSION Note.	EAC TP TC 0	20			lass C (@ load						
A LINE CIGHT NOILE	Compliance t	o BS EN/EN61 √), EAC TP TC		o,8,11, BS EN/	EN61547, light	industry level	(surge immunit	y ∟ine-Earth 4k	ν,		
	Line-Line 2K		lia SR-332 (Bel	lcore) ; 289.1K	hrs min. MI	L-HDBK-217F	(25°C)				
		nin. Telcord	· · ·								
	2992.9K hrs r										
INC IMMUNITY ITBF IMENSION ACKING	2992.9K hrs r 195.6*61.5*3 0.84Kg; 16pc	8.8mm (L*W*⊢ s/14.4Kg/0.540	I) CUFT								
ITBF	ION G	<b>G</b> 0.84Kg; 16pc	ION   195.6*61.5*38.8mm (L*W*H     G   0.84Kg; 16pcs/14.4Kg/0.544	G 0.84Kg; 16pcs/14.4Kg/0.54CUFT	G 0.84Kg; 16pcs/14.4Kg/0.54CUFT	G 0.84Kg; 16pcs/14.4Kg/0.54CUFT		arameters NOT specially mentioned are measured at 230VAC input, rated current and 25 $^\circ$ C of ambient temperature.			





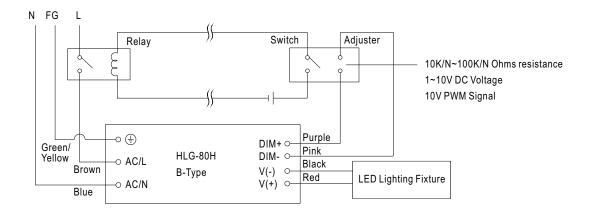






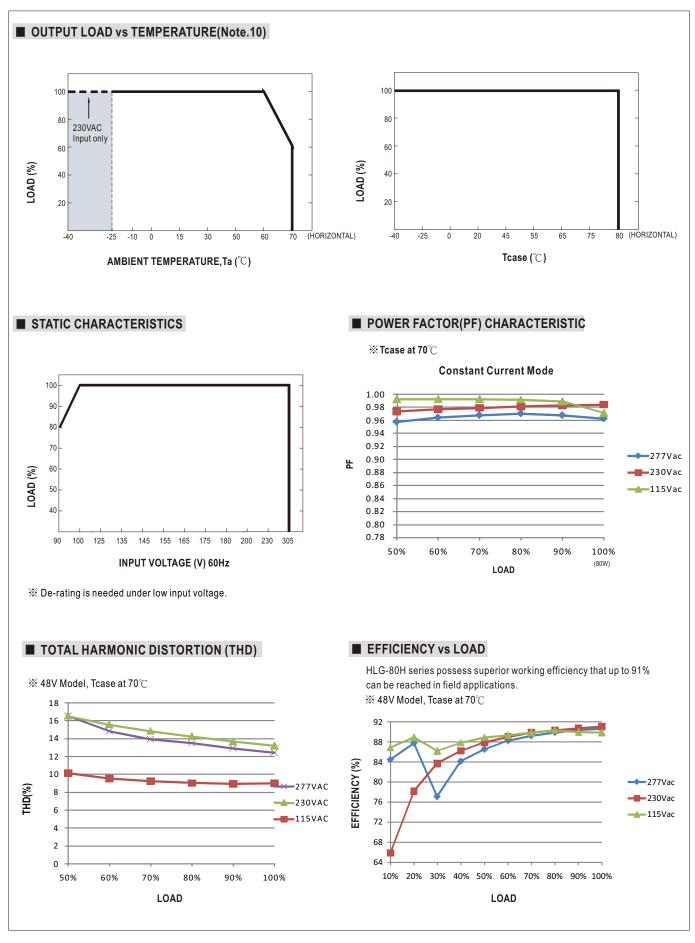
## HLG-80H series

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.

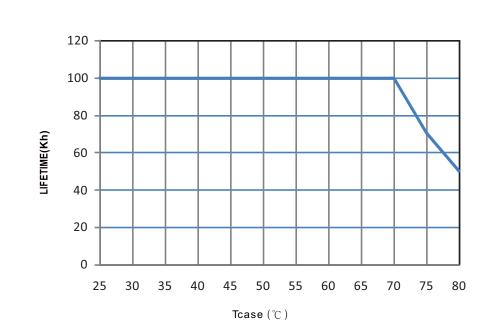




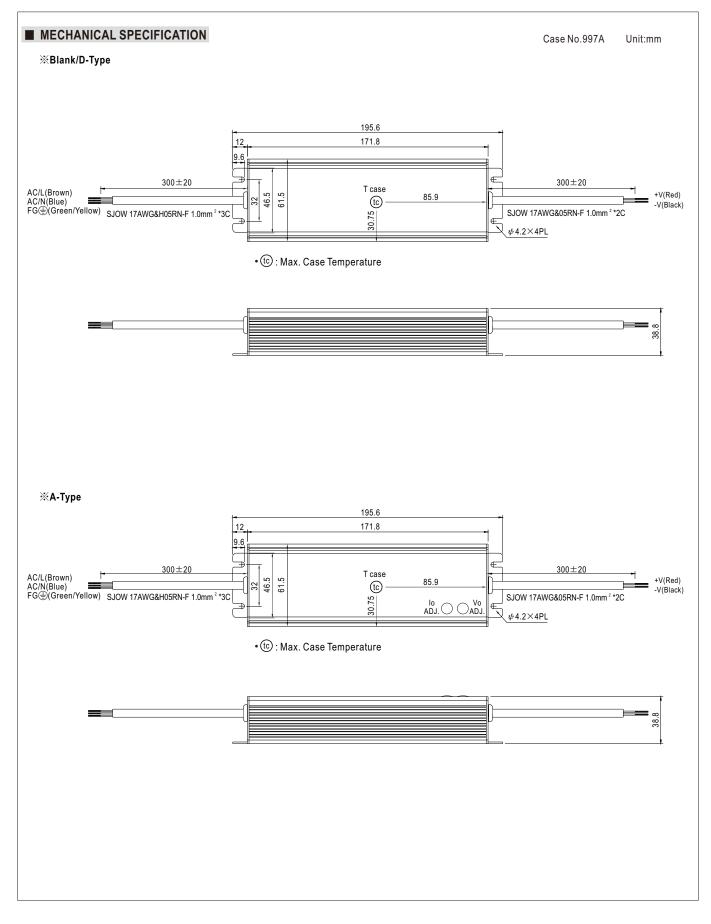


HLG-80H series

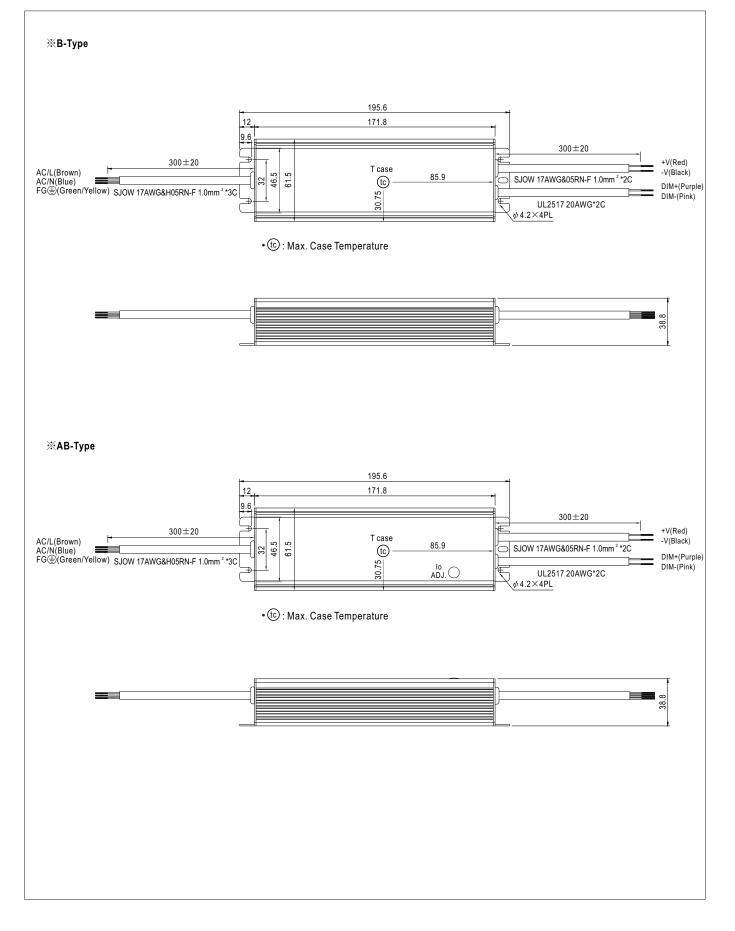
#### LIFE TIME









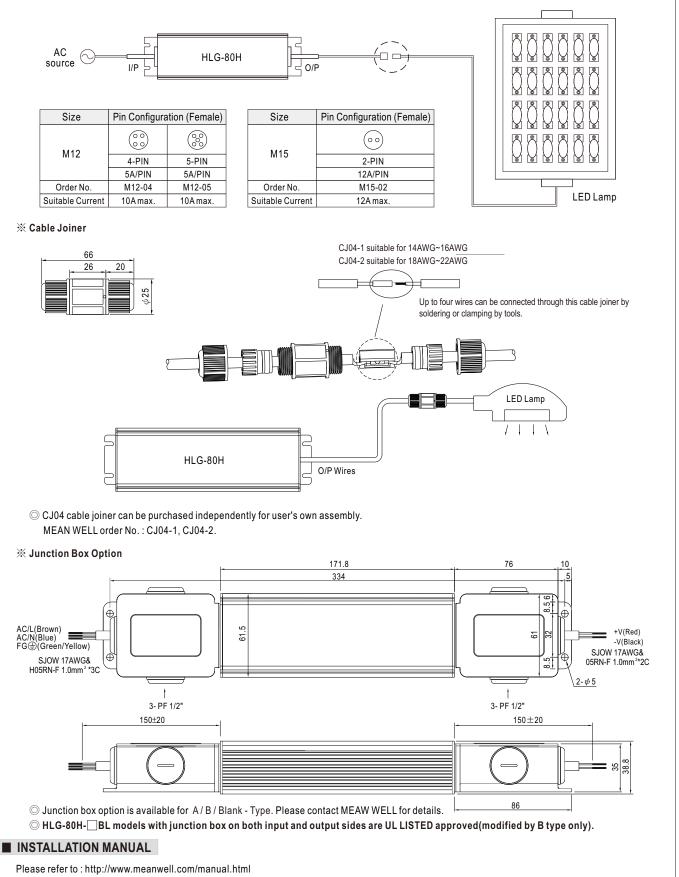




#### WATERPROOF CONNECTION

#### $\divideontimes {\rm Waterproof\, connector}$

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



单击下面可查看定价,库存,交付和生命周期等信息

>>MEAN WELL(台湾明纬)