

· 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

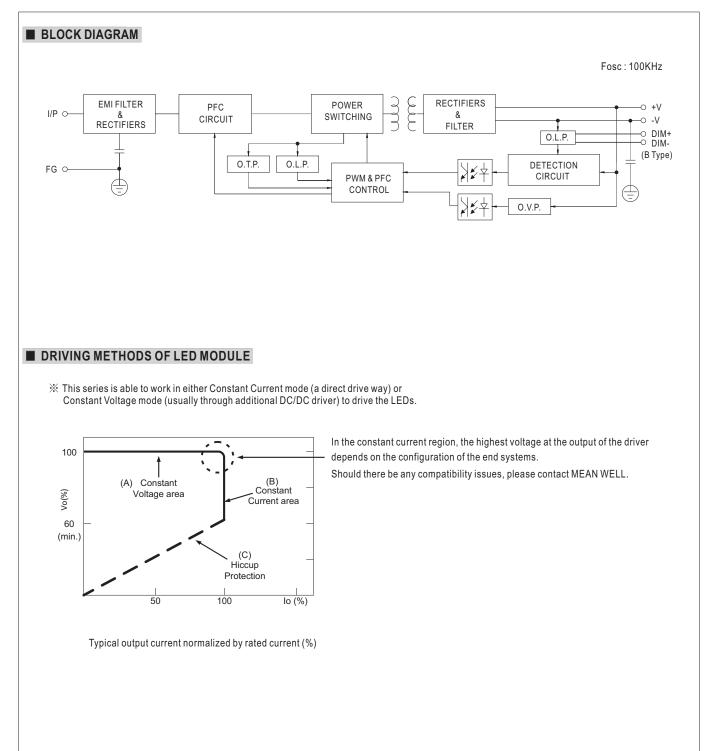
| Туре | IP Level | Function | Note |
|-------|----------|---|------------|
| Blank | IP67 | Io and Vo fixed | In Stock |
| A | IP65 | Io and Vo adjustable through built-in potentiometer | In Stock |
| В | IP67 | 3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance) | In Stock |
| AB | IP65 | 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 |



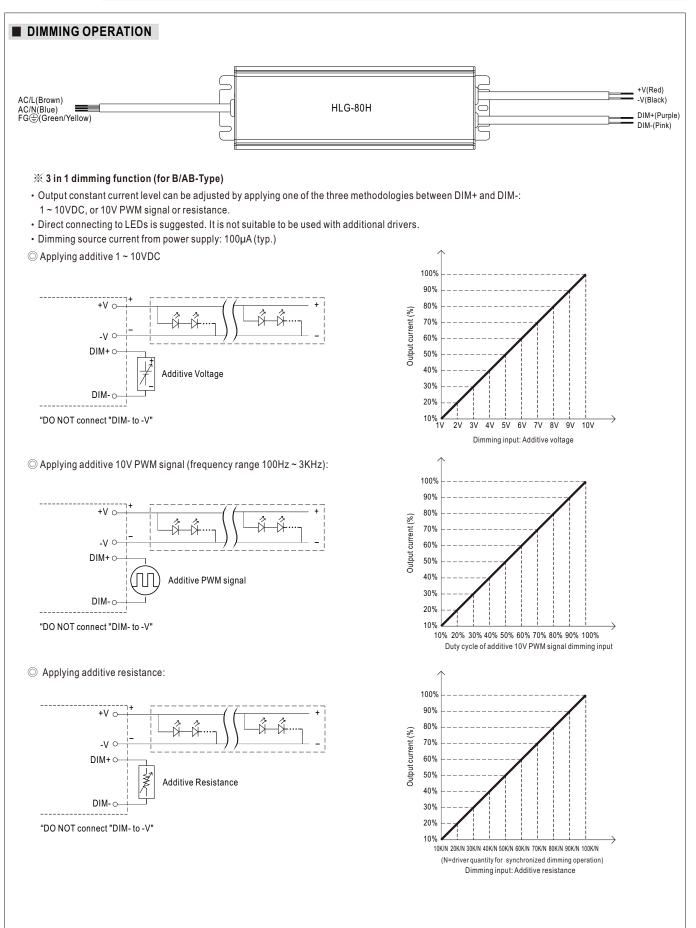
SPECIFICATION

| 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 | $\pm 0.5\%$ $\pm 1.0\%$ ± 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 7 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 | G 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. | | | |





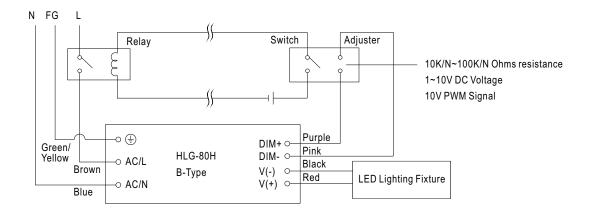






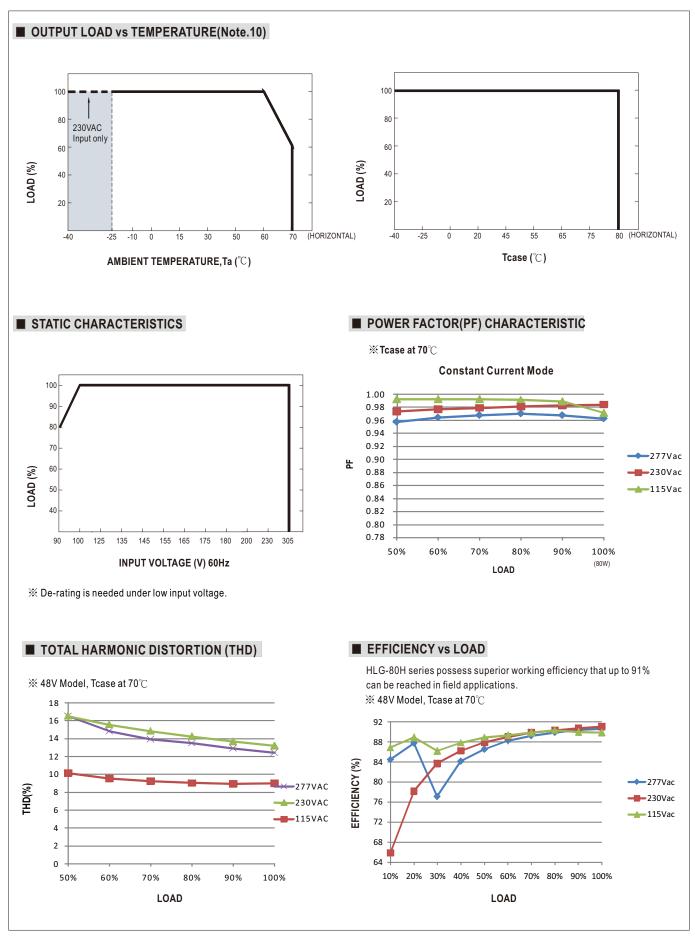
HLG-80H series

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.

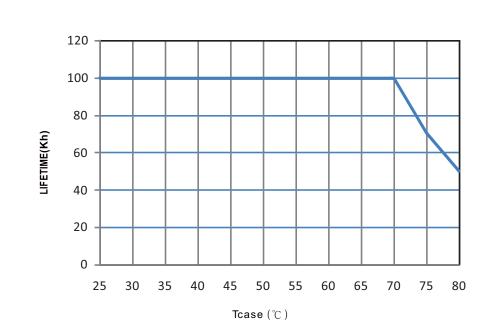




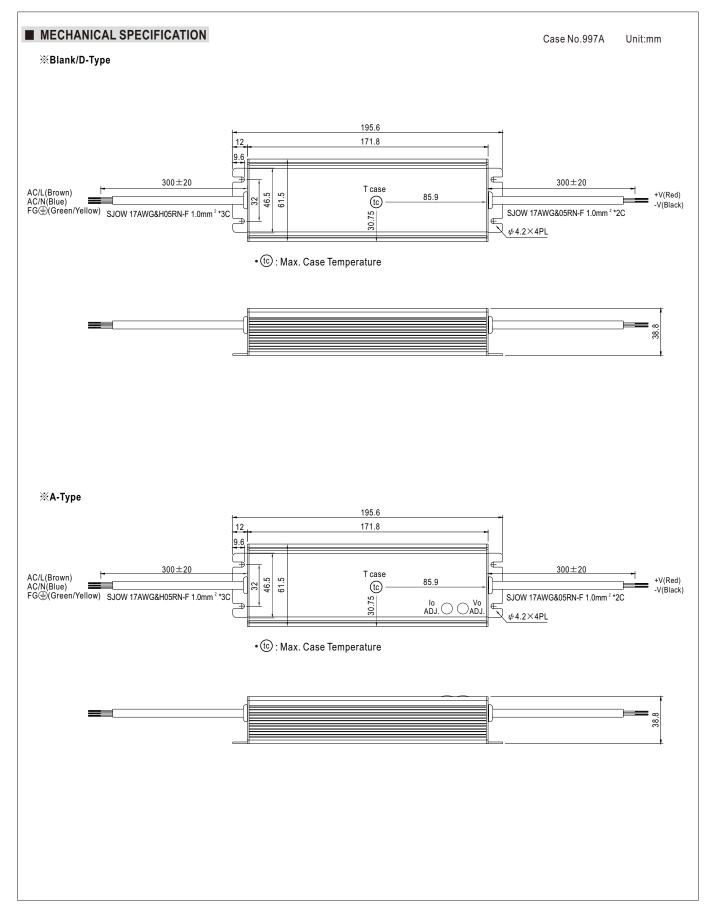


HLG-80H series

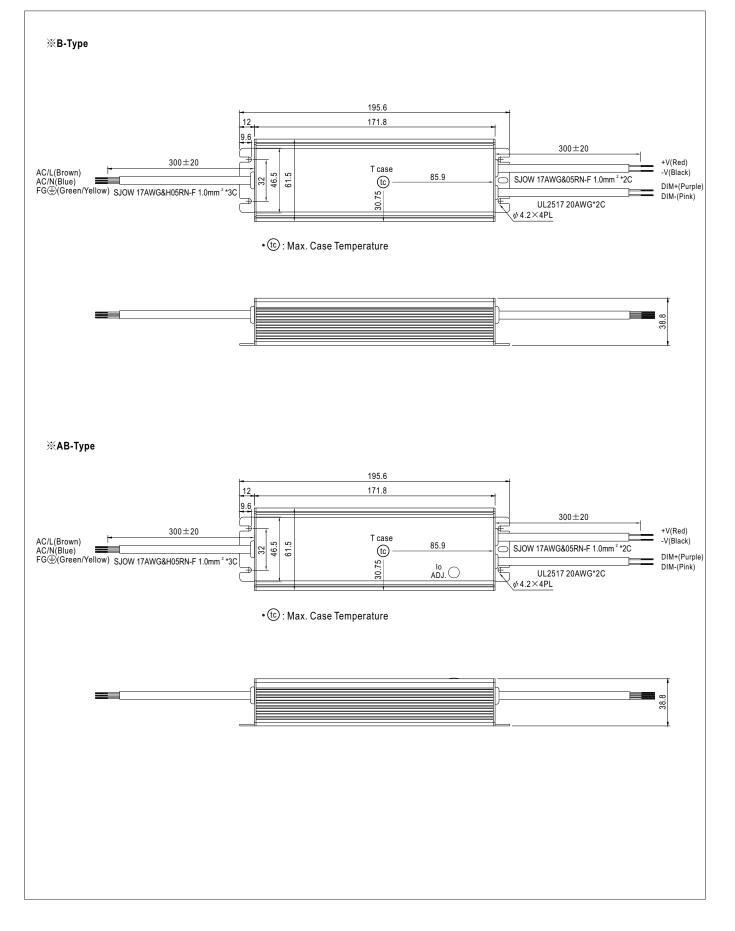
LIFE TIME









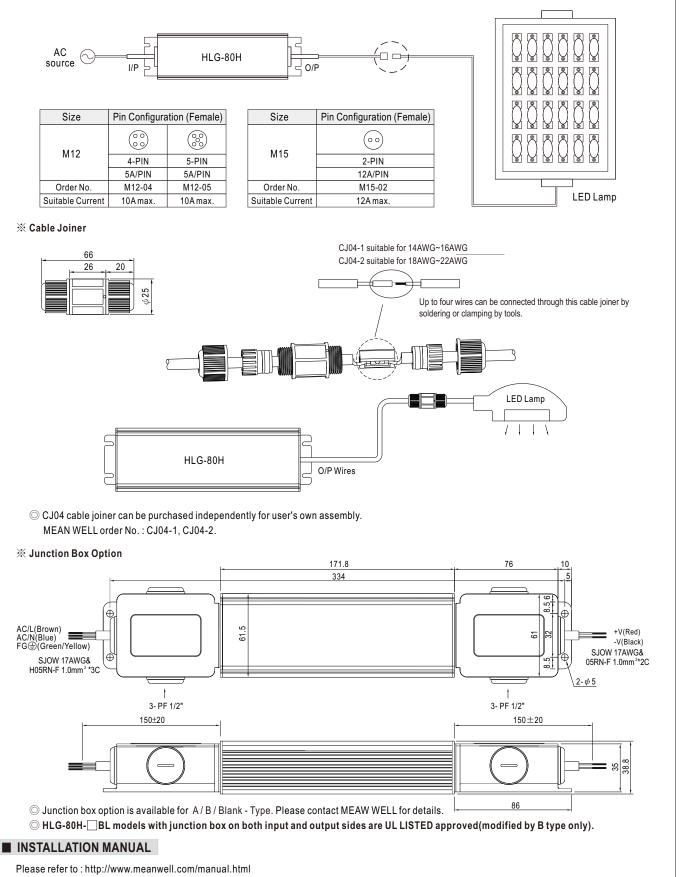




WATERPROOF CONNECTION

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

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)