







#### 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

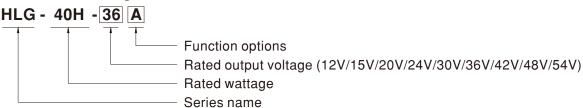
# Applications

- · 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-40H series is a 40W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-40H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 89.5%, 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-40H 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 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



## 40W Constant Voltage + Constant Current LED Driver

#### **SPECIFICATION**

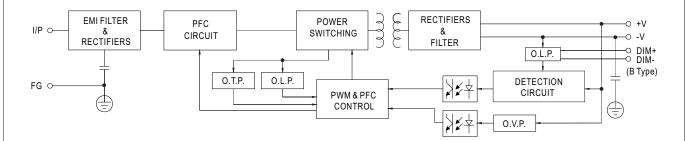
		HLG-40H-12	HLG-40H-15	HLG-40H-20	HLG-40H-24	HLG-40H-30	HLG-40H-36	HLG-40H-42	HLG-40H-48	HLG-40H-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
ОИТРИТ	CONSTANT CURRENT REGION Note.4	7.2 ~12V	9 ~ 15V	12 ~ 20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V
	RATED CURRENT	3.33A	2.67A	2A	1.67A	1.34A	1.12A	0.96A	0.84A	0.75A
	RATED POWER	39.96W	40.05W	40W	40.08W	40.2W	40.32W	40.32W	40.32W	40.5W
	RIPPLE & NOISE (max.) Note.2		150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	300mVp-p	300mVp-p
			r A/AB-Type o				200 P	200p p	осотр р	осо гр р
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V		17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	40 ~ 46V	44 ~ 53V	49 ~ 58V
			r A/AB-Type o				100	10 100	144 000	140 00V
	CURRENT ADJ. RANGE	2 ~ 3.33A		1.2 ~ 2A	1 ~ 1.67A	0.8 ~ 1.34A	0 67 ~ 1 12Δ	0.58 ~ 0.96A	0.5~0.844	0.45 ~ 0.75
	VOLTAGE TOLERANCE Note.3		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LINE REGULATION						±0.5%	±0.5%		
	LOAD REGULATION	±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	⊥0.5%	⊥0.5%	±0.5%	±0.5%
		500ms,80ms		0ms,80ms/23	UVAC					
INPUT	HOLD UP TIME (Typ.)	16ms / 115VA								
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC								
		(Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)		VAC, PF≧0.9	•		0				
	TOTAL CONTOCK (Typ.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
	TOTAL HARMONIC DISTORTION	THD< 20% ((	@ load≧60% .	/ 115VAC,230	VAC; @ load	≧75% / 277VA	C)			
	TOTAL HARMONIO DIOTORTION	(Please refe	to "TOTAL HA	ARMONIC DIS	STORTION (TH	ID)" section)				
	EFFICIENCY (Typ.)	86.5%	86.5%	88%	88%	88.5%	88.5%	88.5%	89.5%	89.5%
	AC CURRENT (Typ.)	0.43A / 115VA	AC 0.24A	/ 230VAC	0.23A / 277VA	AC .				
	INRUSH CURRENT(Typ.)	COLD START	50A(twidth=210	μs measured a	it 50% Ipeak) at	230VAC; Per NI	EMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	12 units (circuit breaker of type B) / 20 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA/277VAC								
		95 ~ 108%								
	OVER CURRENT		ent limiting rea	rovers automa	itically after fai	ılt condition is r	emoved			
		Constant current limiting, recovers automatically after fault condition is removed  Hiccup mode, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	HICCIIN MODE	recovers auto	matically atter	tault condition	is removed				
PROTECTION	SHORT CIRCUIT	-			1		11 ~ 19\/	18 ~ 58\/	54 ~ 65\/	50 ~ 68\/
PROTECTION	OVER VOLTAGE	15 ~ 21V	18 ~ 24V	23 ~ 30V	28 ~ 35V	is removed 35 ~ 43V	41 ~ 49V	48 ~ 58V	54 ~ 65V	59 ~ 68V
PROTECTION	OVER VOLTAGE	15 ~ 21V Shut down o/p	18 ~ 24V o voltage, re-po	23 ~ 30V ower on to reco	28 ~ 35V over		41 ~ 49V	48 ~ 58V	54 ~ 65V	59 ~ 68V
PROTECTION	OVER VOLTAGE OVER TEMPERATURE	15 ~ 21V Shut down o/p Shut down o/p	18 ~ 24V o voltage, re-po o voltage, re-po	23 ~ 30V ower on to reco	28 ~ 35V over	35 ~ 43V		48 ~ 58V	54 ~ 65V	59 ~ 68V
PROTECTION	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.	15 ~ 21V Shut down o/g Shut down o/g Tcase= -40 ~	18 ~ 24V o voltage, re-po o voltage, re-po +80°C (Please	23 ~ 30V ower on to reco	28 ~ 35V over			48 ~ 58V	54 ~ 65V	59 ~ 68V
PROTECTION	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.	15 ~ 21V  Shut down o/g  Shut down o/g  Tcase= -40 ~  Tcase= +80°C	18 ~ 24V o voltage, re-po o voltage, re-po +80°C (Please	23 ~ 30V ower on to reco	28 ~ 35V over	35 ~ 43V		48 ~ 58V	54 ~ 65V	59 ~ 68V
	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.	15 ~ 21V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH	18 ~ 24V o voltage, re-po o voltage, re-po +80°C (Please non-condensir	23 ~ 30V ower on to reco	28 ~ 35V over	35 ~ 43V		48 ~ 58V	54 ~ 65V	59 ~ 68V
PROTECTION	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY	15 ~ 21V Shut down o/y Shut down o/y Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C,	18 ~ 24V o voltage, re-po o voltage, re-po +80°C (Please conon-condensing)	23 ~ 30V ower on to reco	28 ~ 35V over	35 ~ 43V		48 ~ 58V	54 ~ 65V	59 ~ 68V
	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY	15 ~ 21V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH	18 ~ 24V o voltage, re-po o voltage, re-po +80°C (Please conon-condensing)	23 ~ 30V ower on to reco	28 ~ 35V over	35 ~ 43V		48 ~ 58V	54 ~ 65V	59 ~ 68V
	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY	15 ~ 21V Shut down o/ $\eta$ Shut down o/ $\eta$ Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, $\pm 0.03\%$ °C (	18 ~ 24V o voltage, re-po o voltage, re-po +80°C (Please C non-condensir 10 ~ 95% RH 0 ~ 60°C)	23 ~ 30V ower on to reco ower on to reco e refer to "OU"	28 ~ 35V over over TPUT LOAD v	35 ~ 43V	JRE" section)	48 ~ 58V	54 ~ 65V	59 ~ 68V
	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY  TEMP. COEFFICIENT	15 ~ 21V 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 GB19510.1,(	18 ~ 24V o voltage, re-po o voltage, re-	23 ~ 30V  ower on to reco ower on to reco e refer to "OU"  19  cle, period for 22.2 No. 250.0  AC TP TC 004	28 ~ 35V over TPUT LOAD v	35 ~ 43V S TEMPERATU ong X, Y, Z axe IZS 61347-1,E KC61347-2-13	JRE" section)	347-2-13 indeg -type), IP65 oi	pendent,	
ENVIRONMENT	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY  TEMP. COEFFICIENT  VIBRATION	15 ~ 21V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +80°C, 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL8750(type GB19510.1,( J61347-1,J6	18 ~ 24V o voltage, re-po o voltage, re-	23 ~ 30V  ower on to recce e refer to "OU"  19  19  10  10  10  10  10  10  10  10	28 ~ 35V  over  TPUT LOAD v  72min. each al  10-08 , EN/AS/N 4, KC61347-1, and D-type) ; d	s TEMPERATU ong X, Y, Z axe IZS 61347-1,E CC61347-2-13 design refer to	JRE" section) s N/AS/NZS 613	347-2-13 indeg -type), IP65 oi	pendent,	
ENVIRONMENT	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY  TEMP. COEFFICIENT  VIBRATION  SAFETY STANDARDS Note.8	15 ~ 21V 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 GB19510.1, J61347-1,J6 I/P-O/P:3.75	18 ~ 24V b voltage, re-po b voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) 6G 12min./1cyo "HL"), CSA C2 3B19510.14,E 1347-2-13 (ex	23 ~ 30V  ower on to recce e refer to "OU"  ele, period for 22.2 No. 250.0 AC TP TC 004 cept for BAB  G:2KVAC O	28 ~ 35V  over  TPUT LOAD v  72min. each al  1,0-08, EN/AS/N 4,KC61347-1, and D-type); v //P-FG:1.5KVA	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 design refer to	JRE" section) s N/AS/NZS 613	347-2-13 indeg -type), IP65 oi	pendent,	
	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY  TEMP. COEFFICIENT  VIBRATION  SAFETY STANDARDS Note.8  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	15 ~ 21V 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(190, 1), J61347-1,J6 I/P-O/P:3.75	18 ~ 24V b voltage, re-po b voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) 66 12min./1cyc 3B19510.14,E 1347-2-13 (ex KVAC I/P-F6	23 ~ 30V  ower on to recce e refer to "OU"  ele, period for 22.2 No. 250.0 AC TP TC 004 Cept for B,AB 3:2KVAC O 00M Ohms / 50	28 ~ 35V  over  TPUT LOAD v  72min. each al  0-08 , EN/AS/N 4,KC61347-1, and D-type) ; 0 /P-FG:1.5KVA	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 design refer to C 70% RH	S N/AS/NZS 613 (except for AB UL60950-1, Ti	347-2-13 indeg -type), IP65 oi UV EN60950-	pendent , r IP67 approve 1, EN60335-1	ed;
ENVIRONMENT	OVER VOLTAGE  OVER TEMPERATURE  WORKING TEMP.  MAX. CASE TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY  TEMP. COEFFICIENT  VIBRATION  SAFETY STANDARDS Note.8	15 ~ 21V  Shut down o/n  Shut down o/n  Tcase= -40 ~  Tcase= +80°C,  ±0.03%/°C ( 10 ~ 500Hz, 5  UL8750(type  GB19510.1,( J61347-1,J6  I/P-O/P:3.75  I/P-O/P, I/P-F  Compliance to  Compliance to	18 ~ 24V b voltage, re-po b voltage, re-po +80°C (Please connon-condensir 10 ~ 95% RH 0 ~ 60°C) 6G 12min./1cyc 3B19510.14,E 1347-2-13 (ex KVAC I/P-Fe G, O/P-FG:10 b EN61000-4-2	23 ~ 30V  ower on to recce e refer to "OU"  ele, period for 22.2 No. 250.0 AC TP TC 004 Cept for BAB G:2KVAC 0 0M Ohms / 50 61000-3-2 Cla 3,3,4,5,6,8,11;	28 ~ 35V  Diver  Diver  TPUT LOAD v  72min. each al  20-08 , EN/AS/N 4,KC61347-1, and D-type); v //P-FG:1.5KVA  00VDC / 25°C / sss C (@ load ≧ EN61547, EN5	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 design refer to C 70% RH 60%); EN6100	S N/AS/NZS 613 (except for AB UL60950-1, T	347-2-13 indeg -type), IP65 oi UV EN60950-	pendent , r IP67 approve 1, EN60335-1	ed;
ENVIRONMENT	OVER VOLTAGE  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	15 ~ 21V  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  GB19510.1, ( J61347-1,J6  I/P-O/P:3.75  I/P-O/P, I/P-F  Compliance to light industry	18 ~ 24V b voltage, re-po b voltage, re-po +80°C (Please connon-condensir 10 ~ 95% RH 0 ~ 60°C) 6G 12min./1cyc 3B19510.14,E 1347-2-13 (ex KVAC I/P-Fe G, O/P-FG:10 b EN55015, EN b EN61000-4-2 level (surge im	23 ~ 30V  ower on to recce ower on to recce e refer to "OU"  199  10e, period for 12.2 No. 250.0 1AC TP TC 004 1AC	28 ~ 35V  Diver  Diver  TPUT LOAD v  T2min. each all  10-08 , EN/AS/N 4,KC61347-1, and D-type) ; 0 //P-FG:1.5KVA  D0VDC / 25°C / sss C (@ load ≧ EN61547, EN5 arth 4KV, Line-	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 design refer to CC 70% RH :60%); EN6100 i5024, Line 2KV), EA0	S N/AS/NZS 613 (except for AB UL60950-1, Ti	347-2-13 indeg -type), IP65 oi UV EN60950-7 3 and GB17625	pendent , r IP67 approve 1, EN60335-1	ed;
SAFETY &	OVER VOLTAGE  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	15 ~ 21V  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  GB19510.1, 0  J61347-1,J6  I/P-O/P:3.75  I/P-O/P, I/P-F  Compliance to light industry  1131.9K hrs n	18 ~ 24V b voltage, re-po b voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc "HL"), CSA C2 GB19510.14,E 1347-2-13 (ex KVAC I/P-F0 EG, O/P-FG:10 b EN55015, EN b EN61000-4-2 level (surge im nin. Telcordi	23 ~ 30V  ower on to recce ower on to recce e refer to "OU"  199  10e, period for 12.2 No. 250.0 1AC TP TC 004 1AC	28 ~ 35V  Diver  Diver  TPUT LOAD v  72min. each al  20-08 , EN/AS/N 4,KC61347-1, and D-type); v //P-FG:1.5KVA  00VDC / 25°C / sss C (@ load ≧ EN61547, EN5	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 design refer to CC 70% RH :60%); EN6100 i5024, Line 2KV), EA0	S N/AS/NZS 613 (except for AB UL60950-1, T	347-2-13 indeg -type), IP65 oi UV EN60950-7 3 and GB17625	pendent , r IP67 approve 1, EN60335-1	ed;
ENVIRONMENT	OVER VOLTAGE  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	15 ~ 21V  Shut down o/r  Shut down o/r  Tcase= -40 ~  Tcase= +80°C  20 ~ 95% RH  -40 ~ +80°C  ±0.03%°C (  10 ~ 500Hz, 5  UL8750(type GB19510.1,	18 ~ 24V b voltage, re-po b voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc "HL"), CSA C2 GB19510.14,E 1347-2-13 (ex KVAC I/P-F0 EG, O/P-FG:10 b EN55015, EN b EN61000-4-2 level (surge im nin. Telcordi	23 ~ 30V  ower on to recce ower on to recce e refer to "OU"  199  cle, period for 22.2 No. 250.0  AC TP TC 004  ccept for B,AB  3:2KVAC O  100M Ohms / 50  61000-3-2 Cla  2,3,4,5,6,8,11;  munity Line-Ea a SR-332 (Bel	28 ~ 35V  Diver  Diver  TPUT LOAD v  T2min. each all  10-08 , EN/AS/N 4,KC61347-1, and D-type) ; 0 //P-FG:1.5KVA  D0VDC / 25°C / sss C (@ load ≧ EN61547, EN5 arth 4KV, Line-	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 design refer to CC 70% RH :60%); EN6100 i5024, Line 2KV), EA0	S N/AS/NZS 613 (except for AB UL60950-1, Ti	347-2-13 indeg -type), IP65 oi UV EN60950-7 3 and GB17625	pendent , r IP67 approve 1, EN60335-1	ed;

- 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 (© 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



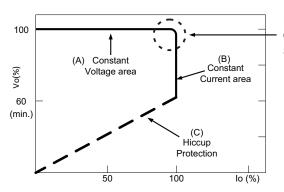
# ■ BLOCK DIAGRAM

Fosc: 100KHz



## ■ DRIVING METHODS OF LED MODULE

※ 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.



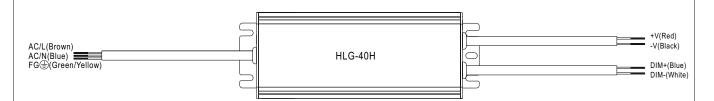
Typical output current normalized by rated current (%)

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.

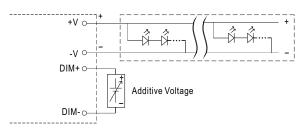


## ■ DIMMING OPERATION



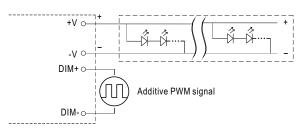
#### imes 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
  - 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:  $100\mu A$  (typ.)
- $\bigcirc$  Applying additive 1 ~ 10VDC



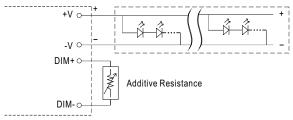
"DO NOT connect "DIM- to -V"

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

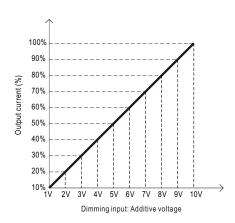


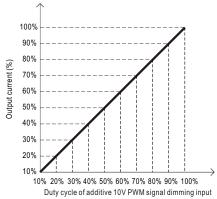
"DO NOT connect "DIM- to -V"

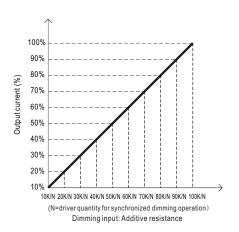
O Applying additive resistance:



"DO NOT connect "DIM- to -V"

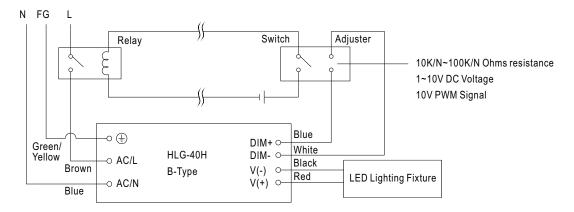






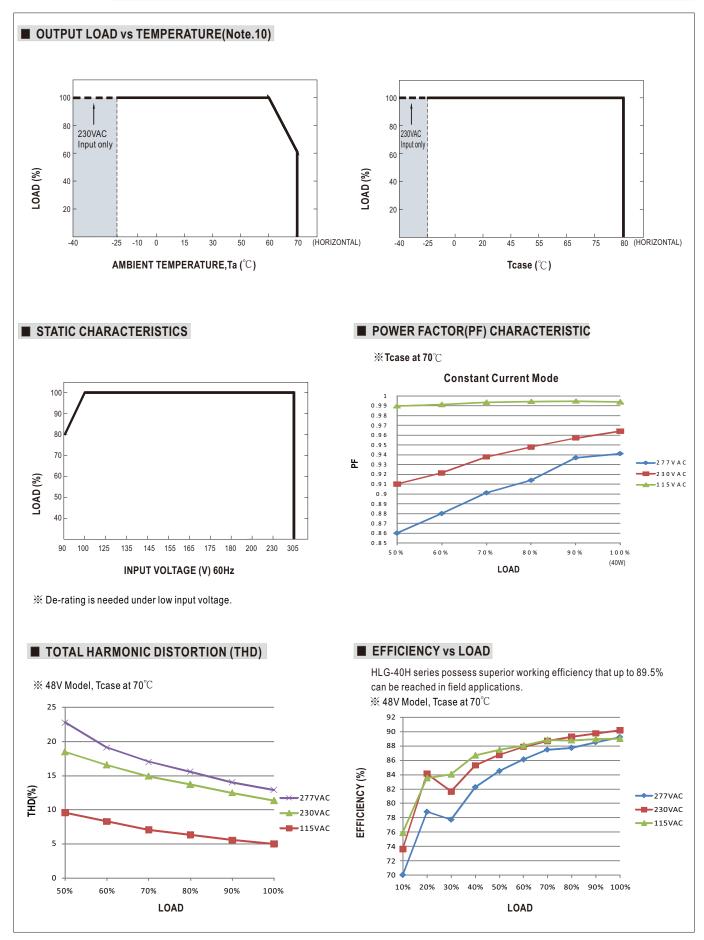


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



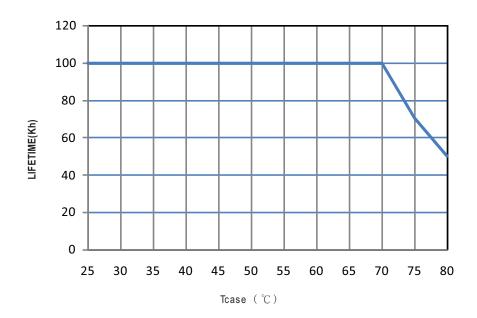
Using a switch and relay can turn ON/OFF the lighting fixture.



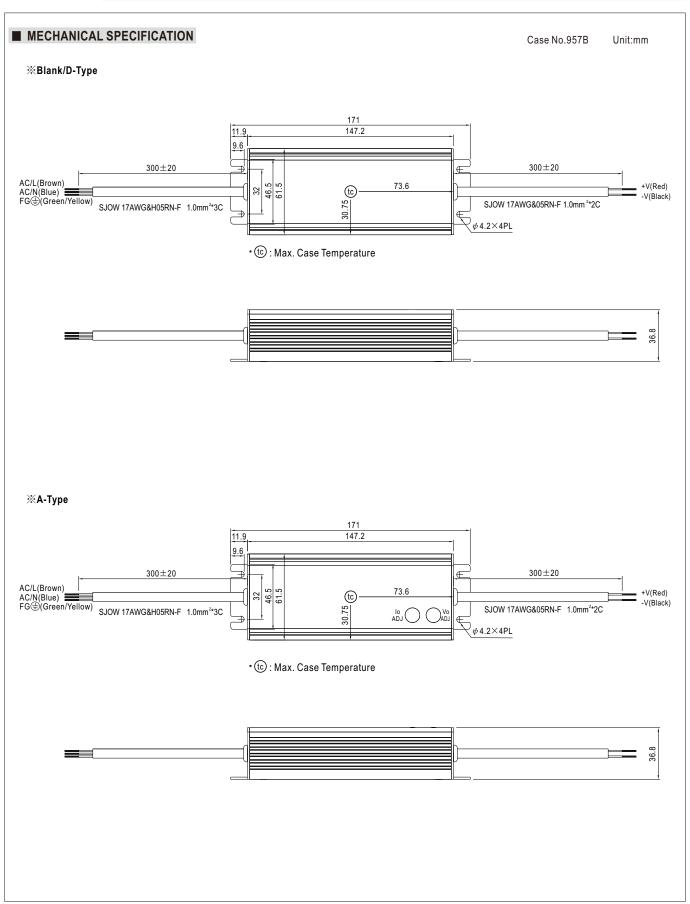




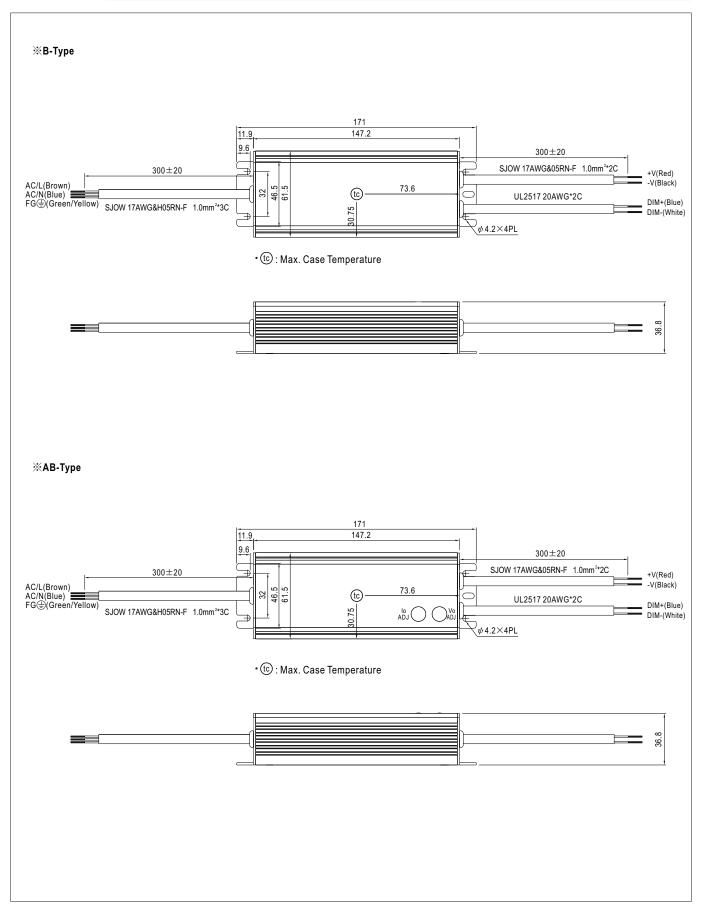
# **■** LIFETIME









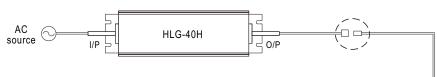




#### **■ WATERPROOF CONNECTION**

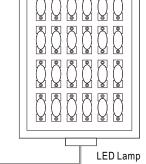
## $\frak{\%}$ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-40H to operate in dry/wet/damp or outdoor environment.

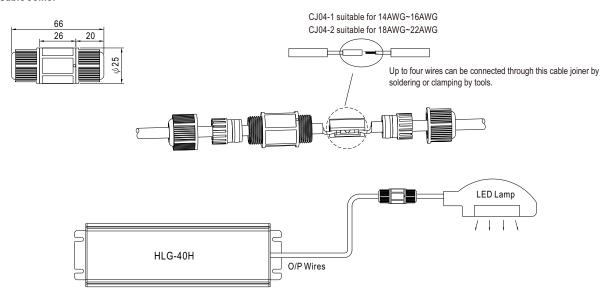


Size	Pin Configuration (Female)				
M12	000	<u></u>			
IVITZ	4-PIN	5-PIN			
	5A/PIN	5A/PIN			
Order No.	M12-04	M12-05			
Suitable Current	10A max.	10A max.			

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



#### ※ Cable Joiner



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

## ■ INSTALLATION MANUAL

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

### Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов:
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001:
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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