







■ 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

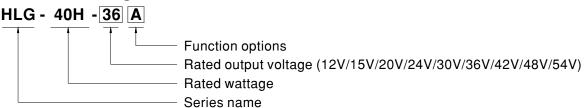
Applications

- · 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



Туре	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

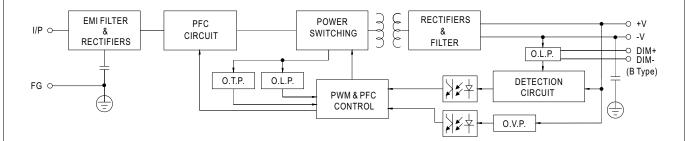
		HLG-40H-12	HLG-40H-15	HLG-40H-20	HLG-40H-24	HLG-40H-30	HLG-40H-36	HLG-40H-42	HLG-40H-48	HLG-40H-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
	CONSTANT CURRENT REGION Note.4	7.2 ~12V	9 ~ 15V	12 ~ 20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V
	RATED CURRENT	3.33A	2.67A	2A	1.67A	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
	INIT LE & NOIDE (IIIAX.) Note.2		r A/AB-Type o				200111 ν ρ-ρ	200111 γ ρ-ρ	Joonnyp-p	ооопгур-р
	VOLTAGE ADJ. RANGE	,		17 ~ 22V	·	1	33 ~ 40V	40 ~ 46V	11 - 521/	40 - 50\/
		10.8 ~ 13.5V 13.5 ~ 17V 17 ~ 22V 22 ~ 27V 27 ~ 33V 33 ~ 40V 40 ~ 46V 44 ~ 53V 49 ~ 58V Adjustable for A/AB-Type only (via built-in potentiometer)								
	CURRENT ADJ. RANGE	2 ~ 3.33A		1.2 ~ 2A	1	1	0.67 - 1.124	0.50 - 0.064	0.5 - 0.044	0.45 - 0.75
	VOLTAGE TOLERANGE N. C.				1 ~ 1.67A	0.8 ~ 1.34A	±1.0%	0.58 ~ 0.96A		0.45 ~ 0.75
	VOLTAGE TOLERANCE Note.3		±2.0%	±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%
		500ms,80ms	1115VAC 50	0ms,80ms/23	0VAC					
	HOLD UP TIME (Typ.)	16ms / 115VAC, 230VAC								
INPUT	VOLTAGE RANGE Note.5	90 ~ 305VAC	127 ~ 431	VDC						
	VOLIAGE NAMED Mote.5	(Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
	DOWED FACTOR (T)	PF≧0.98/115	SVAC, PF≧0.9	5/230VAC, PF	≥0.92/277VA	C @ full load				
	POWER FACTOR (Typ.)	(Please refer	to "POWER FA	CTOR (PF) CH	IARACTERIST	IC" section)				
		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) THD< 20% (@ load≥60% / 115VAC,230VAC; @ load≥75% / 277VAC)								
	TOTAL HARMONIC DISTORTION		r to "TOTAL H <i>A</i>				- /			
	EFFICIENCY (Typ.)	86.5%	86.5%	88%	88%	88.5%	88.5%	88.5%	89.5%	89.5%
	AC CURRENT (Typ.)				0.23A / 277VA		00.070	00.070	00.070	00.070
	INRUSH CURRENT(Typ.)									
		COLD START 50A(twidth=210µs measured at 50% Ipeak) at 230VAC; Per NEMA 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								
	OVER CURRENT	95 ~ 108%								
		Constant current limiting, recovers automatically after fault condition is removed								
PROTECTION	SHORT CIRCUIT	·	, recovers auto			1		T.		
-KUIECIIUN		15 ~ 21V	18 ~ 24V	23 ~ 30V	28 ~ 35V	35 ~ 43V	41 ~ 49V	48 ~ 58V	54 ~ 65V	59 ~ 68V
	OVED VOLTAGE									
	OVER VOLTAGE	Shut down o/	p voltage, re-po	wer on to reco	over					
	OVER VOLTAGE OVER TEMPERATURE		p voltage, re-po p voltage, re-po							
		Shut down o/p		ower on to reco	over	s TEMPERATU	JRE" section)			
	OVER TEMPERATURE	Shut down o/p	p voltage, re-po +80°C (Please	ower on to reco	over	s TEMPERATU	JRE" section)			
	OVER TEMPERATURE WORKING TEMP.	Shut down o/p Tcase= -40 ~ Tcase= +80°C	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/p Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH	p voltage, re-po +80°C (Please condensir	ower on to reco	over	s TEMPERATU	JRE" section)			
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Shut down o/g Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C,	p voltage, re-po +80°C (Please non-condensir 10 ~ 95% RH	ower on to reco	over	s TEMPERATU	JRE" section)			
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (p voltage, re-por +80°C (Please non-condensir $10 \sim 95\%$ RH $(0 \sim 60°C)$	ower on to reco e refer to "OU"	over TPUT LOAD v:		,			
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5	p voltage, re-por +80°C (Please non-condensir $10 \sim 95\%$ RH $(0 \sim 60^{\circ}\text{C})$ 5G 12min./1cyc	ower on to reco	over TPUT LOAD v: 72min. each al	ong X, Y, Z axe	s	M7 2 13 indo	vandant	
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type	p voltage, re-pc +80°C (Please conon-condensir 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc 3"HL"), CSA C2	e refer to "OU" g le, period for 12.2 No. 250.0	TPUT LOAD v: 72min. each al	ong X, Y, Z axe IZS 61347-1,E	s N/AS/NZS 613			ed :
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,(p voltage, re-por +80°C (Please non-condensir $10 \sim 95\%$ RH $(0 \sim 60^{\circ}\text{C})$ 5G 12min./1cyc	e refer to "OU" lg le, period for 12.2 No. 250.0 AC TP TC 004	72min. each al 1-08 , EN/AS/N 1, KC61347-1,	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13	s N/AS/NZS 613	-type), IP65 o	r IP67 approve	ed;
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,(optional mod	p voltage, re-pc +80°C (Please conon-condensir $10 \sim 95\%$ RH $(0 \sim 60$ °C) 5G 12min./1cyc "HL"), CSA C2 GB19510.14,E lels for J6134	e refer to "OU" 19 19 1e, period for 12.2 No. 250.0 AC TP TC 004 7-1,J61347-2	72min. each al 1-08 , EN/AS/N 4, KC61347-1, l 13 ; design re	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095	s N/AS/NZS 613	-type), IP65 o	r IP67 approve	ed;
SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,0 optional mod	p voltage, re-pc +80°C (Please C non-condensir 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc 3"HL"), CSA C2 GB19510.14,E lels for J6134'	le, period for 12.2 No. 250.0 AC TP TC 0047-1, J61347-2-3;2KVAC 0	72min. each al 1-08 , EN/AS/N 4,KC61347-1, 1-13 ; design re /P-FG:1.5KVA	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095	s N/AS/NZS 613	-type), IP65 o	r IP67 approve	ed;
SAFETY &	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 Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%°C (10 ~ 500Hz, 5 UL8750(type GB19510.1, optional mod I/P-O/P:3.75	p voltage, re-pc +80°C (Please C non-condensin 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc "HL"), CSA C2 GB19510.14,E lels for J6134' KVAC I/P-FC FG, O/P-FG:10	le, period for 22.2 No. 250.0 AC TP TC 0047-1, J61347-2-3:2KVAC O	72min. each al 1-08 , EN/AS/N 1, KC61347-1, 13 ; design re /P-FG:1.5KVA	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095 kC 70% RH	s N/AS/NZS 613 ((except for AB 0-1, TUV EN60	-type), IP65 o 1950-1, EN603	r IP67 approve 335-1	,
ENVIRONMENT SAFETY & EMC	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.8	Shut down o/ly Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%'°C (10 ~ 500Hz, 5 UL8750(type GB19510.1, optional mod I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to	p voltage, re-pc +80°C (Please C non-condensin 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyo "HL"), CSA C2 GB19510.14,E lels for J6134' KVAC I/P-FC G, O/P-FG:10 D EN55015, EN	le, period for 22.2 No. 250.0 AC TP TC 0047-1,J61347-2-3:2KVAC O 00M Ohms / 5061000-3-2 Cla	72min. each all 1-08 , EN/AS/N 4, KC61347-1,1 13 ; design re /P-FG:1.5KVA 00VDC / 25°C/ ss C (@ load≧	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095 AC 70% RH :60%); EN6100	s N/AS/NZS 613 ((except for AB 0-1, TUV EN60	-type), IP65 o 1950-1, EN603	r IP67 approve 335-1	,
SAFETY &	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 Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,c optional mod I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to Compliance to	p voltage, re-pc +80°C (Please C non-condensin 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc "HL"), CSA C2 GB19510.14,E lels for J6134' KVAC I/P-FC FG, O/P-FG:10	le, period for 22.2 No. 250.0 AC TP TC 0047-1, J61347-2-3;2KVAC 0 00M Ohms / 5061000-3-2 Cla 3, 4, 5, 6, 8, 11;	72min. each al 1-08 , EN/AS/N 1, KC61347-1, l 13 ; design re /P-FG:1.5KVA 00VDC / 25°C/ ss C (@ load≧ EN61547, EN5	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095 kC 70% RH :60%); EN6100	s N/AS/NZS 613 ((except for AB 0-1, TUV EN60	-type), IP65 o 1950-1, EN603	r IP67 approve 335-1	,
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 Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,(optional mod I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to Light industry	p voltage, re-pc +80°C (Please C non-condensir 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc 3"HL"), CSA C2 GB19510.14,E lels for J6134' KVAC I/P-FC GG, O/P-FG:10 DEN55015, ENI DEN55015, ENI DEN61000-4-2 level (surge im	le, period for 22.2 No. 250.0 AC TP TC 0047-1, J61347-2-3:2KVAC 000M Ohms / 5061000-3-2 Cla 3, 4, 5, 6, 8, 11; munity Line-Ea	72min. each all 1-08, EN/AS/N 4, KC61347-1, l 13; design re /P-FG:1.5KVA 00VDC / 25°C/ ss C (@ load≧ EN61547, EN5 arth 4KV, Line-	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095 kC 70% RH :60%); EN6100 55024, Line 2KV), EA0	s N/AS/NZS 613 ((except for AB 0-1, TUV EN60	-type), IP65 o 0950-1, EN603 3 and GB17625	r IP67 approve 335-1	,
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 Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,(optional mod I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to Compliance to light industry 1131.9K hrs n	p voltage, re-pc +80°C (Please C non-condensir 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc e"HL"), CSA C2 GB19510.14,E lels for J6134' KVAC I/P-FG GG, O/P-FG:10 b EN55015, EN o EN61000-4-2 level (surge im nin. Telcordi	le, period for 22.2 No. 250.0 AC TP TC 0047-1, J61347-2-3:2KVAC 000M Ohms / 5061000-3-2 Cla 3, 4, 5, 6, 8, 11; munity Line-Ea	72min. each al 1-08 , EN/AS/N 1, KC61347-1, l 13 ; design re /P-FG:1.5KVA 00VDC / 25°C/ ss C (@ load≧ EN61547, EN5	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095 kC 70% RH :60%); EN6100 55024, Line 2KV), EA0	s N/AS/NZS 613 ((except for AB 0-1, TUV EN60 00-3-3,GB17743	-type), IP65 o 0950-1, EN603 3 and GB17625	r IP67 approve 335-1	,
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 Tcase= -40 ~ Tcase= +80°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%°C (10 ~ 500Hz, 5 UL8750(type GB19510.1,(optional mod I/P-O/P, I/P-F Compliance to Compliance to light industry 1131.9K hrs n 171*61.5*36.8	p voltage, re-pc +80°C (Please C non-condensir 10 ~ 95% RH (0 ~ 60°C) 5G 12min./1cyc e"HL"), CSA C2 GB19510.14,E lels for J6134' KVAC I/P-FG GG, O/P-FG:10 b EN55015, EN o EN61000-4-2 level (surge im nin. Telcordi	le, period for 22.2 No. 250.0 AC TP TC 0047-1,J61347-2-3:2KVAC 000M Ohms / 5061000-3-2 Cla 3,3,4,5,6,8,11; munity Line-Ea a SR-332 (Bel	72min. each all 1-08, EN/AS/N 4, KC61347-1, l 13; design re /P-FG:1.5KVA 00VDC / 25°C/ ss C (@ load≧ EN61547, EN5 arth 4KV, Line-	ong X, Y, Z axe IZS 61347-1,E KC61347-2-13 efer to UL6095 kC 70% RH :60%); EN6100 55024, Line 2KV), EA0	s N/AS/NZS 613 ((except for AB 0-1, TUV EN60 00-3-3,GB17743	-type), IP65 o 0950-1, EN603 3 and GB17625	r IP67 approve 335-1	,

- 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



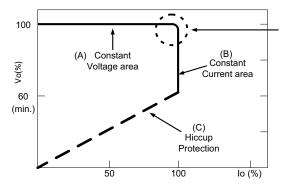
■ BLOCK DIAGRAM

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.



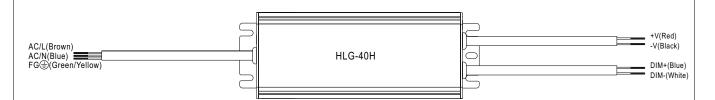
Typical output current normalized by rated current (%)

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.

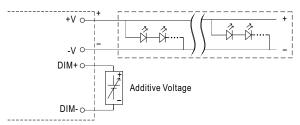


■ DIMMING OPERATION



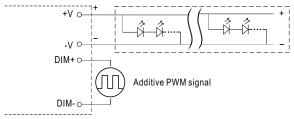
imes 3 in 1 dimming function (for B/AB-Type)

- 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.)
- O Applying additive 1 ~ 10VDC



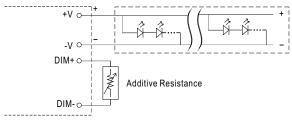
"DO NOT connect "DIM- to -V"

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

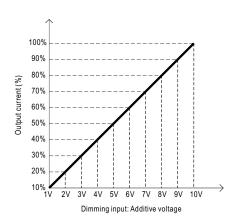


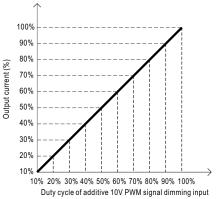
"DO NOT connect "DIM- to -V"

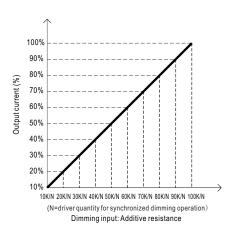
Applying additive resistance:



"DO NOT connect "DIM- to -V"

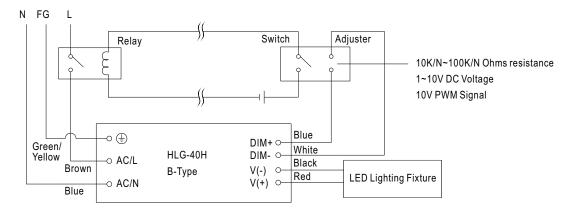






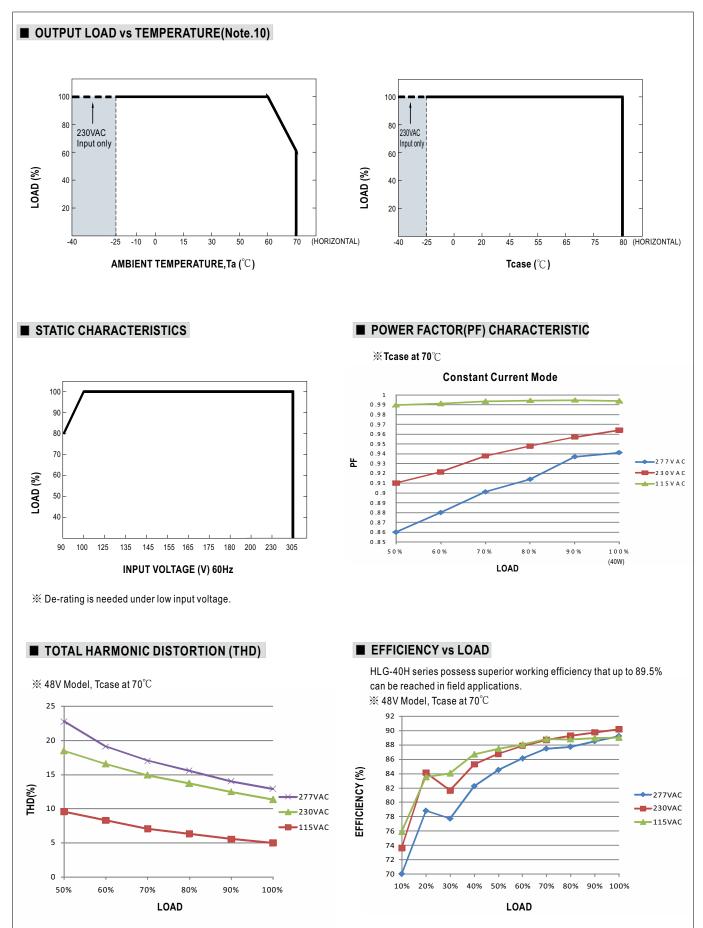


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



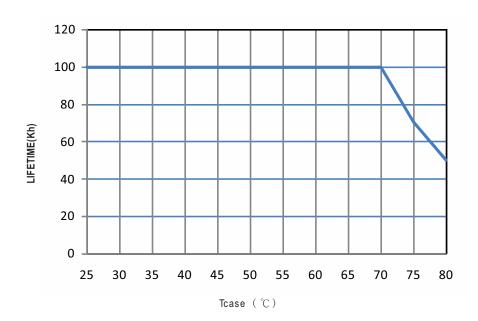
Using a switch and relay can turn ON/OFF the lighting fixture.



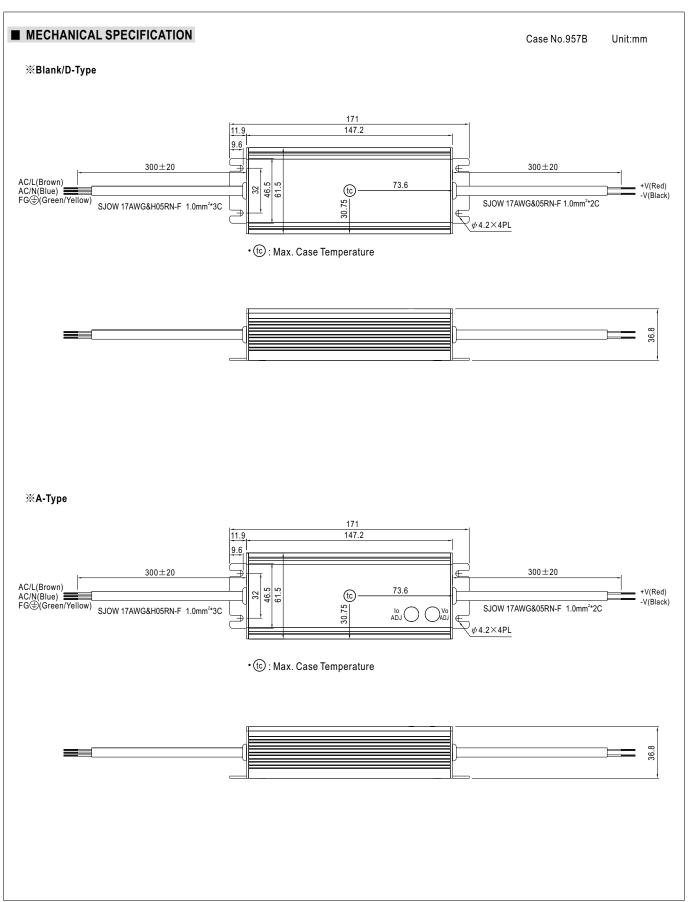




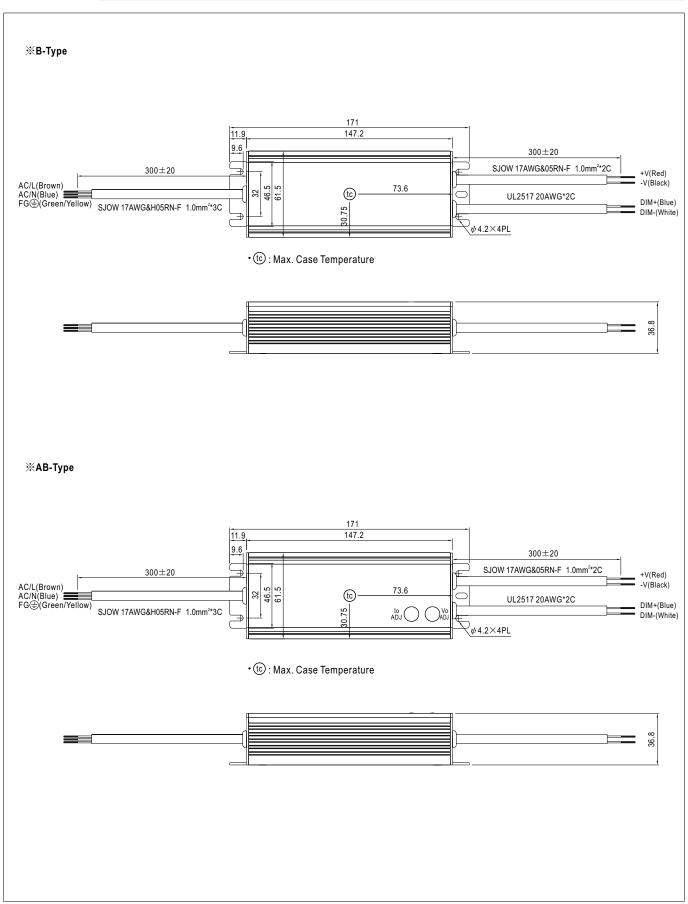
■ LIFETIME









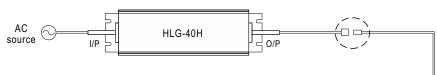




■ WATERPROOF CONNECTION

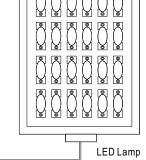
Waterproof connector

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

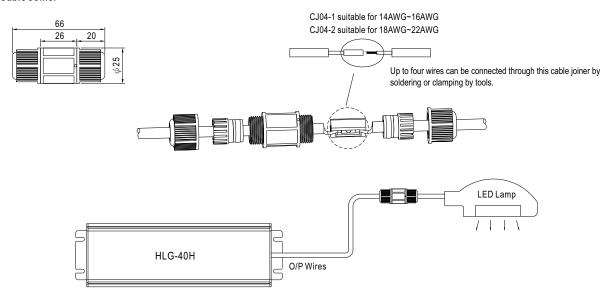


Size	Pin Configuration (Female)				
M12	000	000			
IVITZ	4-PIN	5-PIN			
	5A/PIN	5A/PIN			
Order No.	M12-04	M12-05			
Suitable Current	10A max.	10A max.			

Pin Configuration (Female)		
00		
2-PIN		
12A/PIN		
M15-02		
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