

Наличие и актуальные цены на

# HLG-40H-24B

https://www.mean-well.ru/store/HLG-40H-24B/











#### Features

- Constant Voltage + Constant Current mode output
- $\boldsymbol{\cdot}$  Metal housing with class  $\mathrm{I}$  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

#### 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.

#### GTIN CODE

MW Search: <a href="https://www.meanwell.com/serviceGTIN.aspx">https://www.meanwell.com/serviceGTIN.aspx</a>

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 ~ +80 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 HLG - 40H - 36 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 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

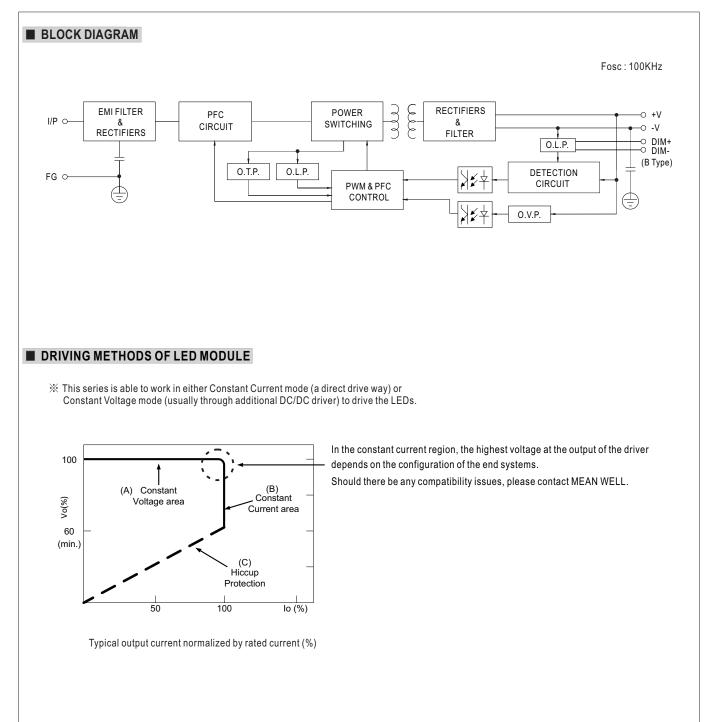


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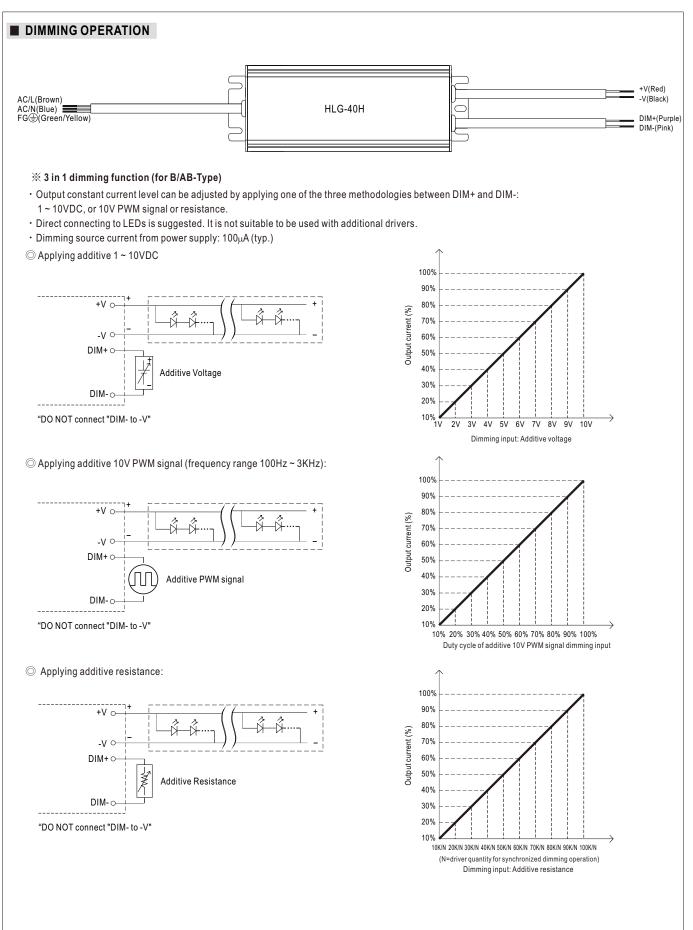
#### SPECIFICATION

MODEL	CATION	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				
WODEL	DOVOLTACE													
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V				
r	CONSTANT CURRENT REGION Note.4		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				
OUTPUT	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				
	VOLTAGE ADJ. RANGE	Adjustable for A/AB-Type only (via built-in potentiometer)												
	VOLINGE ADD. NAMOL	10.8 ~ 13.5V       13.5 ~ 17V       17 ~ 22V       22 ~ 27V       27 ~ 33V       33 ~ 40V       40 ~ 46V       44 ~ 53V       49 ~ 58V												
	CURRENT ADJ. RANGE	Adjustable fo	r A/AB-Type o	nly (via built-ir	n potentiomet	er)								
	CURRENT ADJ. RANGE	2~3.33A	1.6~2.67A	1.2 ~ 2A	1~1.67A	0.8~1.34A	0.67 ~ 1.12A	0.58~0.96A	0.5~0.84A	0.45~0.75				
	VOLTAGE TOLERANCE Note.3	±2.5%	±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%				
	SETUP, RISE TIME Note.6	500ms,80ms	/115VAC 50	0ms,80ms/23	OVAC	1								
	HOLD UP TIME (Typ.)	16ms / 115VAC, 230VAC												
	(.),	90 ~ 305VAC 127 ~ 431VDC												
	VOLTAGE RANGE Note.5													
	FREQUENCY RANGE	47 ~ 63Hz												
	POWER FACTOR (Typ.)		5VAC, PF≧0.9			0								
			to "POWER FA	. ,		,								
	TOTAL HARMONIC DISTORTION	THD<20% (@ load≧60% / 115VAC,230VAC; @ load≧75% / 277VAC)												
INPUT		(Please refe	r to "TOTAL HA	ARMONIC DIS	STORTION (TI	HD)" 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/277V	AC								
	INRUSH CURRENT(Typ.)	COLD START	50A(twidth=210	μs measured a	it 50% Ipeak) at	230VAC; Per NE	EMA 410							
	MAX. No. of PSUs on 16A													
	CIRCUIT BREAKER	12 units (circu	uit breaker of ty	/pe B) / 20 unit	s (circuit brea	ker of type C) a	t 230VAC							
	LEAKAGE CURRENT	<0.75mA/27	7VAC											
	OVER CURRENT	95 ~ 108%												
		Constant current limiting, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed												
PROTECTION	SHORT CIRCUIT						44 401/	40 501/	E4 0514	50 001/				
ENVIRONMENT	OVER VOLTAGE	15~21V	18 ~ 24V	23~30V	28 ~ 35V	35 ~ 43V	41~49V	48~58V	54 ~ 65V	59~68V				
			p voltage, re-po											
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover												
	WORKING TEMP.	Tcase= -40 ~ +80 $^\circ \rm C$ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)												
	MAX. CASE TEMP.	Tcase=+80°C	C											
	WORKING HUMIDITY	20 ~ 95% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT	±0.03%/°C (	(0~60°C)											
	VIBRATION	· · · · · ·	· /	le period for	72min each a	long X Y Z axe	s							
SAFETY & EMC		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), CSA C22.2 No. 250.0-08, BS EN/EN/AS/NZS 61347-1,BS EN/EN/AS/NZS 61347-2-13 independent,												
	SAFETY STANDARDS Note.8													
		J61347-1,J61347-2-13 (except for B,AB and D-type) ; design refer to BS EN/EN60335-1(by request)												
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC												
	ISOLATION RESISTANCE				0									
		Compliance to				iss C (@ load≧	60%) · BS EN/F	N61000-3-3 G	B/T 17743 GP	17625 1				
	EMC EMISSION Note.8	EAC TP TC 02		/10, DO LIN/LIN	01000-0-2 010	iss 0 (@ ioad≡	0070), DO LIN/L	_1101000-0-0,0		17020.1,				
				000-4-2,3,4,5,	6,8,11; BS EN	/EN61547, BS E	EN/EN55024,							
	EMC IMMUNITY	light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020												
OTHERS	MTBF	3395.8K hrs r	nin. Telcord	ia SR-332 (Bel	llcore) ; 345.8ł	Khrsmin. MI	L-HDBK-217F	(25°C)						
	DIMENSION	171*61.5*36.	8mm (L*W*H)											
	PACKING	0.73Kg; 20pc	s/15.6Kg/0.9Cl	JFT										
			-		ut. rated curre	nt and 25°℃ of	ambient temp	erature.						
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> </ol>													
	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 ur		-											
	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.												
	complete installation, the fina		(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)											
	complete installation, the fina (as available on https://www.	meanwell.com		ina fixturee th	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									
	complete installation, the fina (as available on https://www. 8. To fulfill requirements of the	meanwell.com		ing fixtures, th	iis LED ariver	can only be us		witch without p	ernarienuy					
	complete installation, the fina (as available on https://www. 8. To fulfill requirements of the connected to the mains.	meanwell.com/ latest ErP reg	ulation for light			-	-		-	or less.				
	complete installation, the fina (as available on https://www. 8. To fulfill requirements of the	meanwell.com latest ErP regi life expectancy	ulation for light y of >62,000 h	ours of operati	ion when Tcas	se, particularly (	-		-	or less.				
	<ul> <li>complete installation, the fina (as available on https://www.</li> <li>8. To fulfill requirements of the connected to the mains.</li> <li>9.This series meets the typical</li> <li>10. Please refer to the warranty</li> <li>11. The ambient temperature d</li> </ul>	meanwell.com latest ErP reg life expectancy y statement on lerating of 3.5°C	ulation for light y of >62,000 h MEAN WELL C/1000m with	ours of operati 's website at h fanless model	ion when Tcas http://www.mea 's and of 5°C/*	se, particularly ( anwell.com. 1000m with fan	tc) point (or TN models for op	MP, per DLC), erating altitude	is about 75℃					
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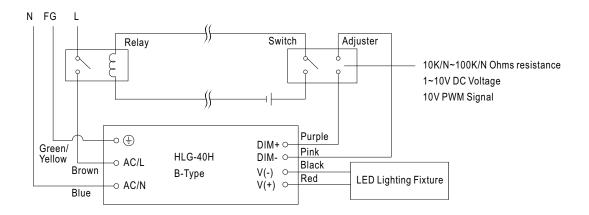




#### 40W Constant Voltage + Constant Current LED Driver

# HLG-40H series

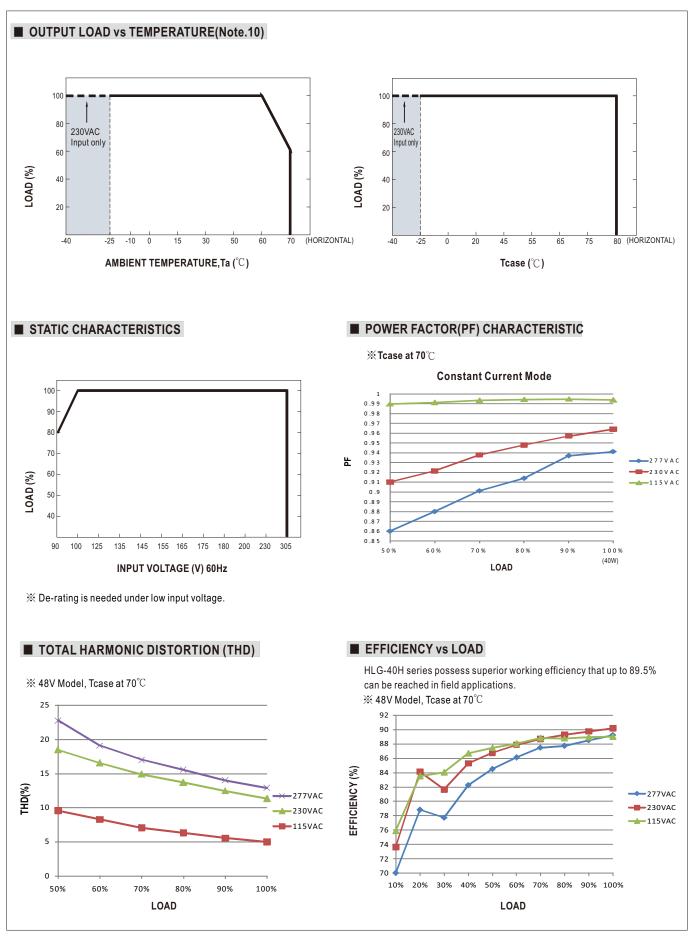
Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



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

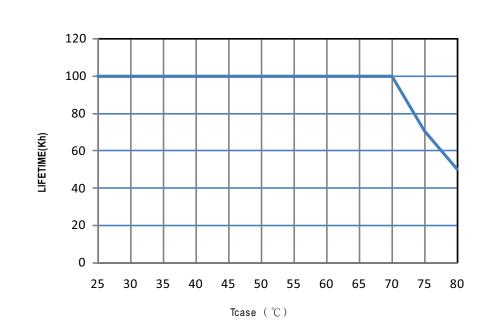


40W Constant Voltage + Constant Current LED Driver

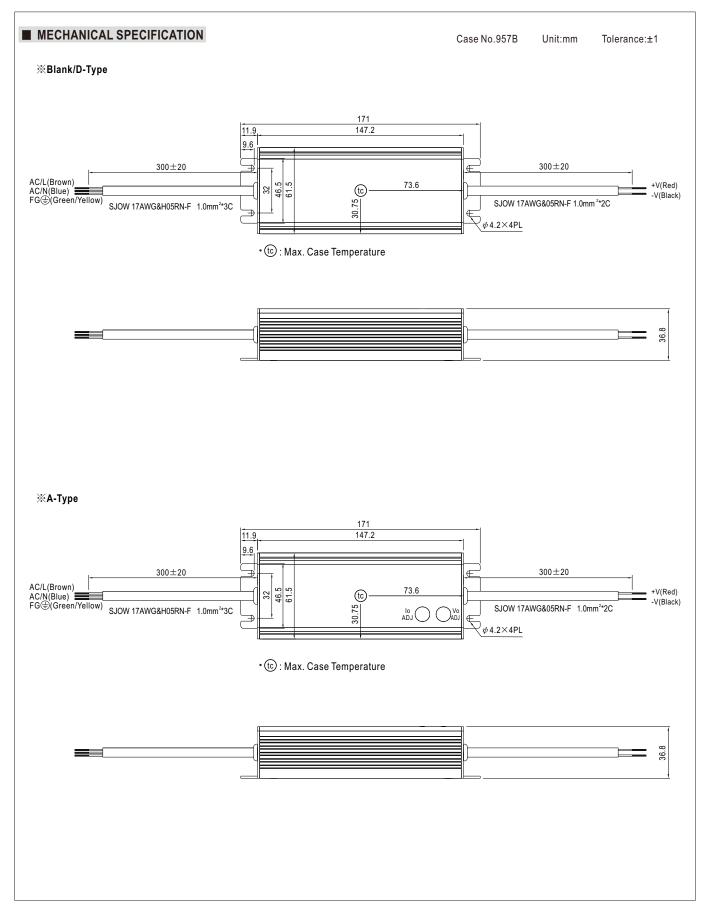




### ■ LIFE TIME

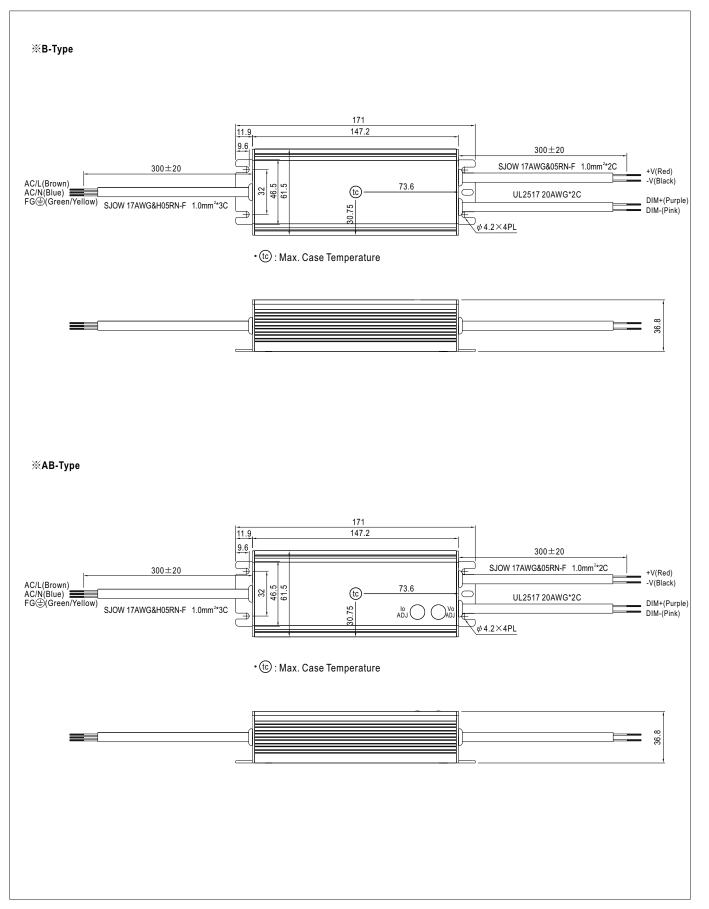








40W Constant Voltage + Constant Current LED Driver

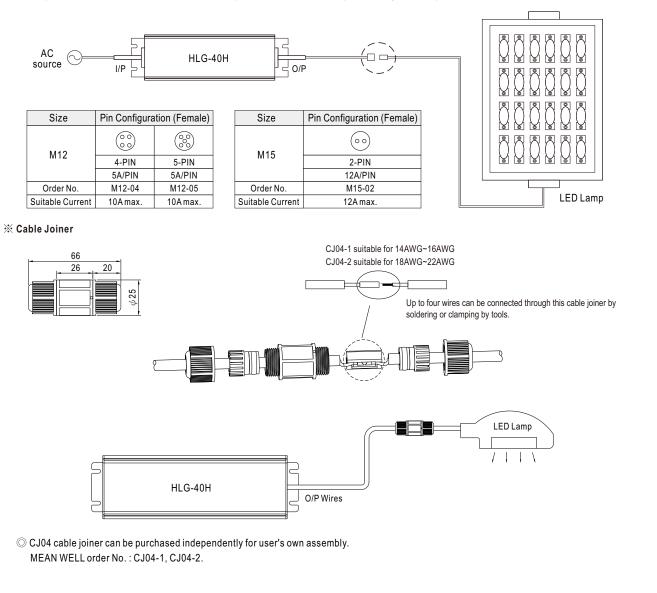




#### WATERPROOF CONNECTION

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

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



#### INSTALLATION MANUAL

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