

Наличие и актуальные цены на

# HLG-100H-48A

https://www.meanwell.ru/store/HLG-100H-48A/











M

Applications

· 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

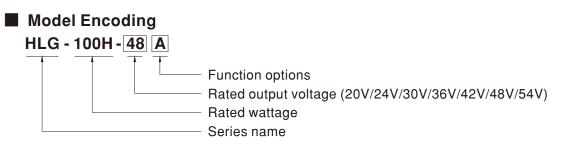
hazardous (Classified) location.

### 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-100H series is a 100W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-100H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 20V and 54V. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for  $-40^{\circ}$ C  $\sim$  +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-100H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



Туре	IP Level	Function	Note
Blank	IP67	lo 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

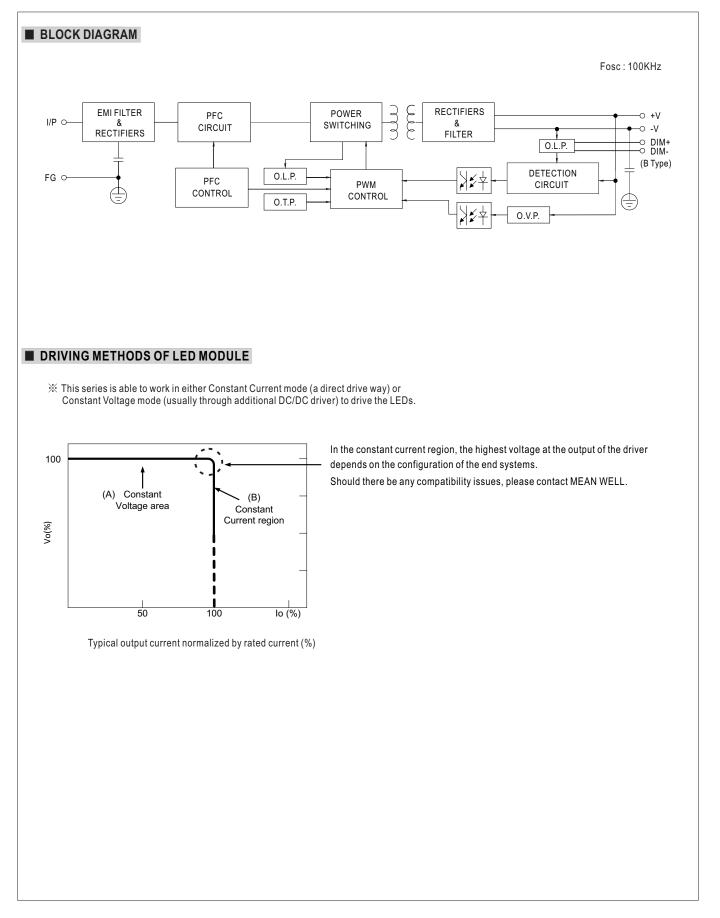
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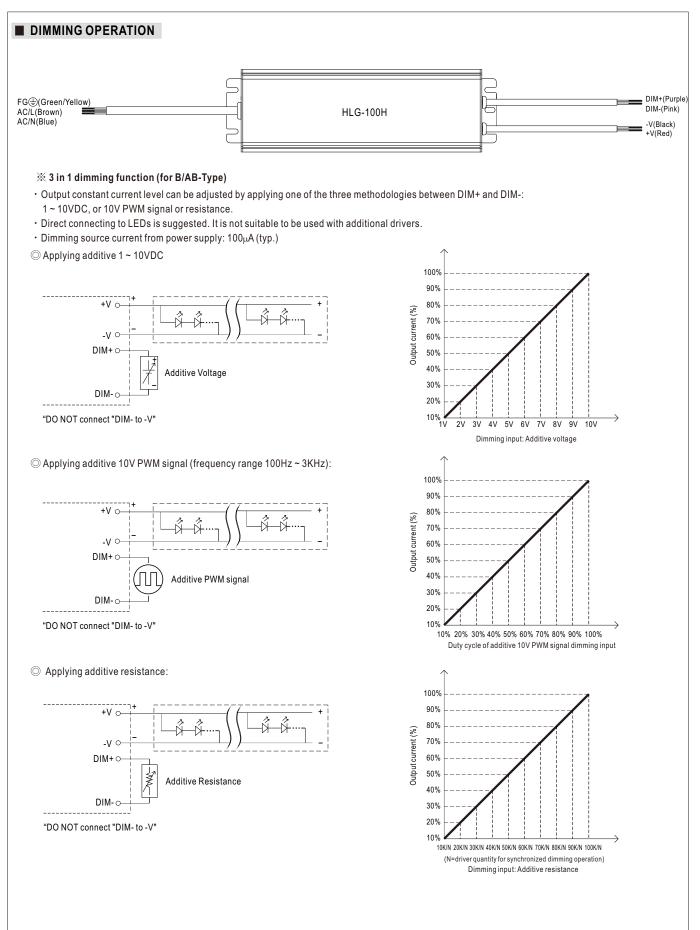
#### SPECIFICATION

MODEL		HLG-100H-20	HLG-100H-24	HLG-100H-30	HLG-100H-36	HLG-100H-42	HLG-100H-48	] HLG-100H-54		
	DC VOLTAGE	20V	24V	30V	36V	42V	48V	54V		
OUTPUT	CONSTANT CURRENT REGION Note.4	10~20V	12 ~ 24V	15~30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V		
	RATED CURRENT	4.8A	4A	3.2A	2.65A	2.28A	2A	1.77A		
	RATED POWER	96W	96W	96W	95.4W	95.76W	96W	95.58W		
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p		
		Adjustable for A/AB-Type only (via built-in potentiometer)								
	VOLTAGE ADJ. RANGE	17~22V         22~27V         27~33V         33~40V         38~46V         43~53V         49~58V								
	CURRENT ADJ. RANGE		AB-Type only (via	built-in potentiom	· · · · · · · · · · · · · · · · · · ·					
		3~4.8A	2.5 ~ 4A	2~3.2A	1.65 ~ 2.65A	1.4 ~ 2.28A	1.25 ~ 2A	1.1 ~ 1.77A		
	VOLTAGE TOLERANCE Note.3	±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%		
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME Note.6 1200ms,50ms/115VAC 500ms,50ms/230VAC									
	HOLD UP TIME (Typ.)	16ms / 115VAC, 230VAC								
INPUT	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC								
	FREQUENCY RANGE	(Please refer to "STATIC CHARACTERISTIC" section) 47 ~ 63Hz								
		PF≧0.98/115VAC, PF≧0.95/230VAC, PF≧0.93/277VAC @ full load								
	POWER FACTOR (Typ.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
		THD<20% (@ load≥60% / 115VAC 230VAC: @ load≥75% / 277VAC)								
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)								
	EFFICIENCY (Typ.)	93%	93%	93%	93%	93%	93%	93%		
	AC CURRENT (Typ.)	1.2A / 115VAC	0.55A / 230VAC			5570	0070	00/0		
						10 110				
	INRUSH CURRENT (Typ.) COLD START 60A(twidth=415 <sub>/4</sub> s measured at 50% Ipeak) at 230VAC; Per NEMA 410									
	MAX. No. of PSUs on 16A	4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC								
	CIRCUIT BREAKER		. ,	(	,,,					
	LEAKAGE CURRENT	<0.75mA / 277VAC								
PROTECTION	OVER CURRENT	95 ~ 106%								
		Constant current	limiting, recovers a	automatically after	fault condition is rei	noved				
	SHORT CIRCUIT	Constant current	limiting, recovers a	automatically after	fault condition is rei	noved				
		23 ~ 27V	28~34V	34 ~ 38V	41~46V	47 ~ 53V	54 ~ 63V	59~65V		
	OVER VOLTAGE	Shut down o/p vo	Itage with auto-rec	covery or re-power	on to recovery					
	OVER TEMPERATURE		-		-	down				
	OVER TEMPERATURE         Shut down o/p voltage, recovers automatically after temperature goes down           WORKING TEMP.         Tcase= -40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)									
	MAX. CASE TEMP.	Tcase= +80 °C								
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ·								
	TEMP. COEFFICIENT	±0.03%/°C (0~								
	VIBRATION				n along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS Note.8	UL8750(type"HL"), CSA C22.2 No. 250.0-08; BS EN/EN 61347-1, BS EN/EN 61347-2-13, AS/NZS 61347-1(except for AB-type), AS/NZS 61347-2-13(except for AB-type) independent; GB19510.1, GB19510.14, IP65 or IP67, J61347-1, J61347-2-13(except for D-type), KC61347-1, KC61347-2-13(except for D-type), EAC TP TC 004 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC								
	ISOLATION RESISTANCE				-					
	EMC EMISSION Note.8	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH           Compliance to BS EN/EN55015, BS EN/EN55032 Class B, BS EN/EN61000-3-2 Class C (@ load≧60%); BS EN/EN61000-           8         OP/T 47342         OP/T 47342         OP/T 47342         OP/T 47342						EN/EN61000-3-3		
	EMC IMMUNITY	GB/T 17743 , GB17625.1, EAC TP TC 020, KSC 9815(except for D-type)           Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, BS EN/EN55024, light industry level (surge immunity           Use For the Use 100, FAC TP TC 020, KSC 9815(except for D-type)								
		Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020, KSC 9547(except for D-type) 2185.8K hrs min. Telcordia SR-332(Bellcore); 167.1K hrs min. MIL-HDBK-217F (25°C)								
OTHERS	MTBF			SSZ(Bellcore);	107.1K Nrs min. 1	WIL-HUBK-217F	(25 ()			
	DIMENSION	220*68*38.8mm	· · ·							
	PACKING	1.12Kg; 12pcs/14	•							
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> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> </ol>									
	<ul> <li>4. Please refer to "DRIVING METHODS OF LED MODULE".</li> <li>5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>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.</li> <li>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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)</li> <li>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.</li> <li>9. This series meets the typical life expectancy of &gt;62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less.</li> <li>10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com</li> <li>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(6500)</li> </ul>									
	<ol> <li>The ambient temperature derating of 3.5<sup>°</sup>C/1000m with fanless models and of 5<sup>°</sup>C/1000m with fan models for operating altitude higher than 2000m(6500f</li> <li>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</li> <li>For A/AB type need to consider build in using to comply with Type HL application.</li> </ol>									
	X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx									
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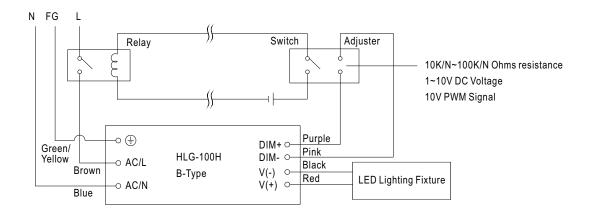






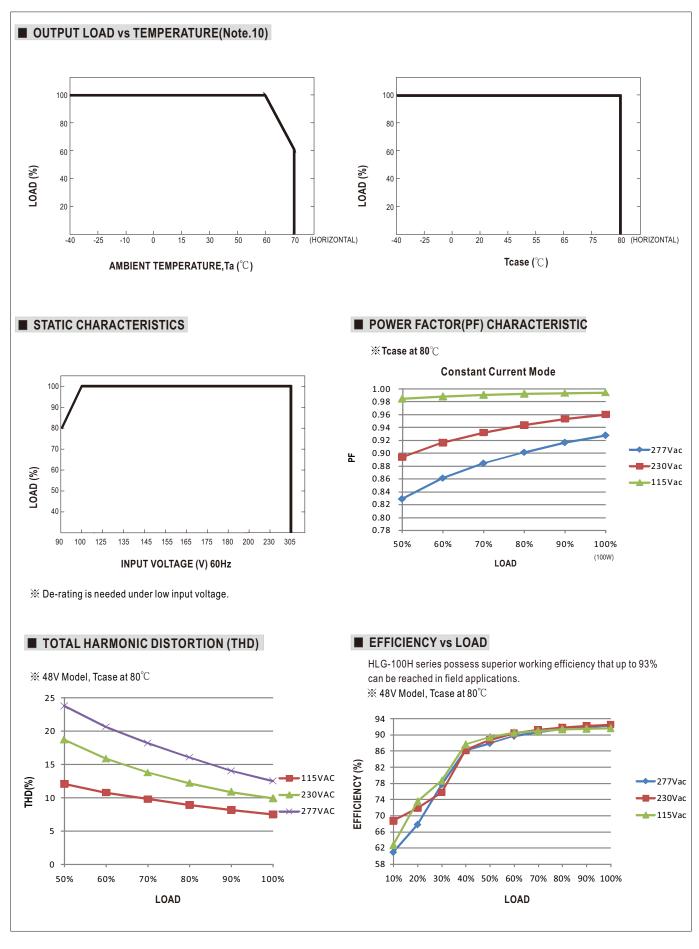
## HLG-100H series

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.

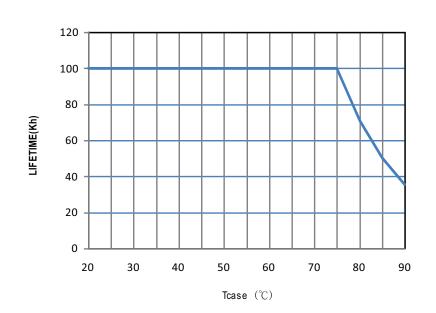




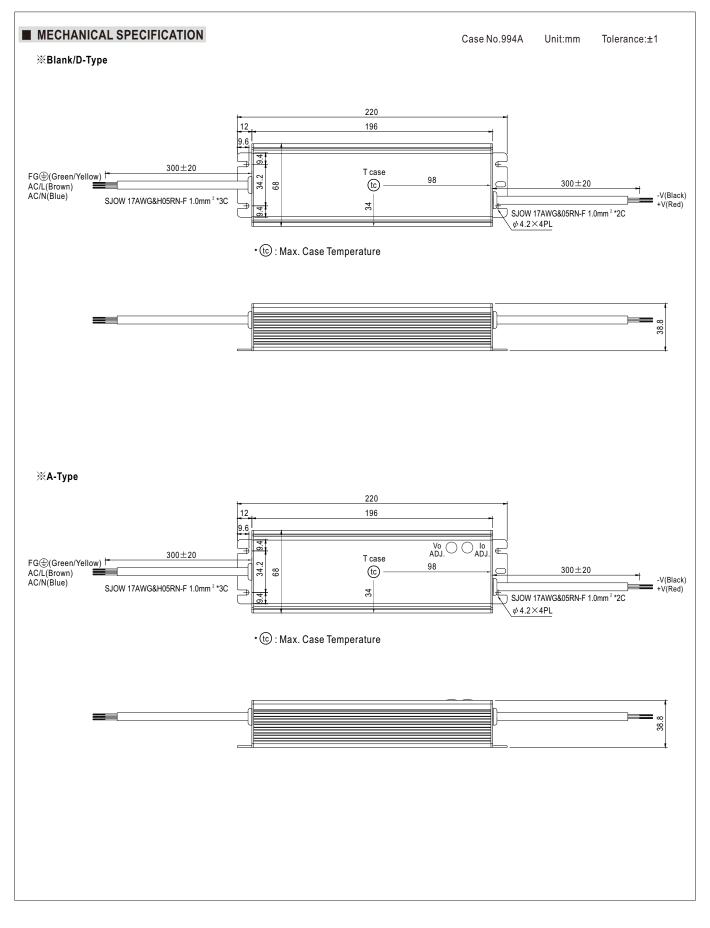


HLG-100H series

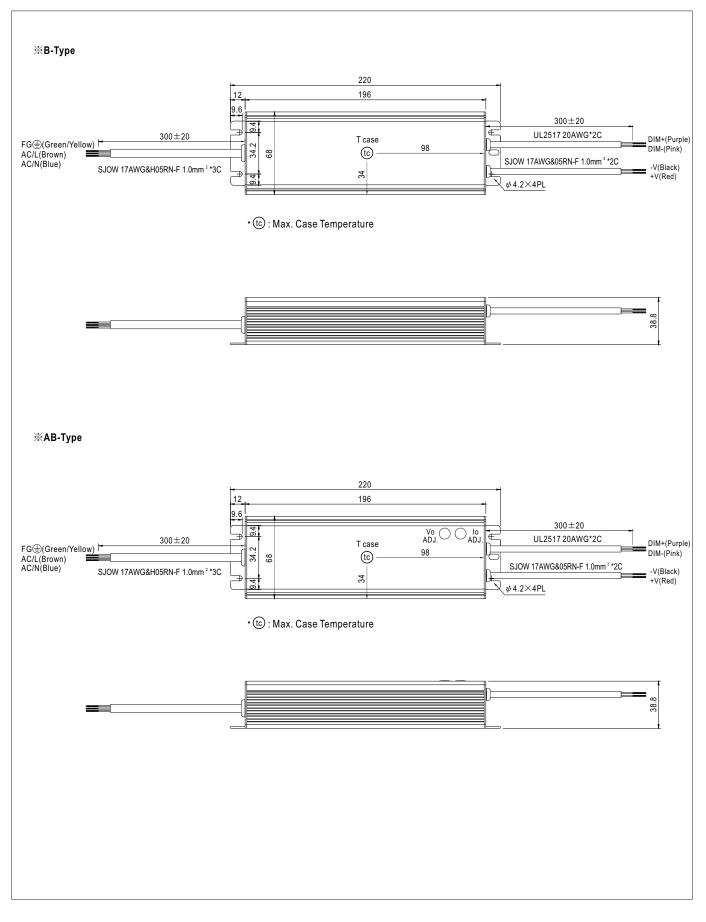
LIFE TIME













### HLG-100H series

#### WATERPROOF CONNECTION

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

Waterproof connector can be assembled on the output cable of HLG-100H to operate in dry/wet/damp or outdoor environment.

