





















■ Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
 3 in 1 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.

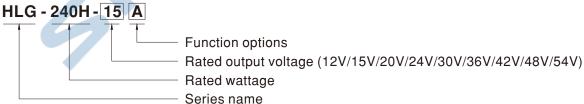
■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Description

HLG-240H series is a 240W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-240H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93.5%, with the fanless design, the entire series is able to operate for -40 $^{\circ}$ C ~ +90 $^{\circ}$ 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-240H 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
С		Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.	By request
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

240W Constant Voltage + Constant Current LED Driver

HLG-240H series

SPECIFICATION

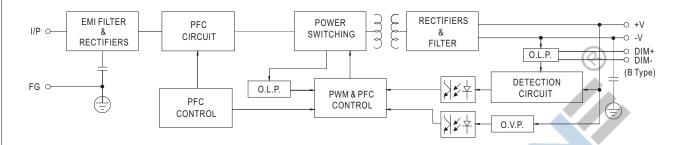
MODEL		HLG-240H-12	HLG-240H-15	HLG-240H-20	HLG-240H-24	HLG-240H-30	HLG-240H-36	HLG-240H-42	HLG-240H-48	HLG-240H-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
	CONSTANT CURRENT REGION Note.4		7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V
OUTPUT	RATED CURRENT	16A	15A	12A	10A	8A	6.7A	5.72A	5A	4.45A
	RATED POWER	192W	225W	240W	240W	240W	241.2W	240.24W	240W	240.3W
	RIPPLE & NOISE (max.) Note.2									
	RIPPLE & NOISE (IIIax.) Note.2	150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp-p 250mVp-p 250mVp-p 250mVp-p 350mVp-p Adjustable for A/AB/C-Type only (via built-in potentiometer)								
	VOLTAGE ADJ. RANGE	11.2 ~ 12.8V		, ,	22.4 ~ 25.6V		33.5 ~ 38.5V	39 ~ 45V	44.8 ~ 51.2V	50 ~ 57\/
				only (via built	l		33.3 * 30.3 v	33 - 43 0	44.0 - 31.2	30 - 37 V
	CURRENT ADJ. RANGE	8 ~ 16A	7.5 ~ 15A	6 ~ 12A	5 ~ 10A	4 ~ 8A	3.3 ~ 6.7A	2.86 ~ 5.72A	25~51	2.23 ~ 4.4
	VOLTAGE TOLERANCE Note.3		±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%
		1000ms,80m		1.0% 500ms,80ms/2			⊥0.5/0			⊥0.5%
	•			0001115,001115/2	JUVAC					
	HOLD UP TIME (Typ.)	15ms / 115VAC, 230VAC								<u> </u>
INPUT	VOLTAGE RANGE Note.5	90 ~ 305VAC	127 ~ 43°	IVDC IARACTERISTI	C" acation)					
		-	0 STATIC CH	ARACTERISTI	C section)					
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)			05/230VAC @ fo						
		(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) THD< 20% (@ load≥50% / 115VAC,230VAC; @ load≥75% / 277VAC)								
	TOTAL HARMONIC DISTORTION	l ,,	_	*	, 0		C)			
		,		ARMONIC DIS						
	EFFICIENCY (Typ.)	90%	90%	91.5%	92.5%	92.5%	92.5%	92.5%	93%	93.5%
	AC CURRENT (Typ.)	4A / 115VAC	2A / 230V		277VAC					
	INRUSH CURRENT (Typ.)	COLD START 75A(twidth=570µs measured at 50% lpeak) at 230VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 4 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA/277VAC								
	OVED CURRENT	95 ~ 108%								
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
ROTECTION										
		Shut down and latch off o/p voltage, re-power on to recover							55 ~ 63V	60 ~ 67V
	OVER VOLTAGE			-	27 ~ 34V	33 ~ 39V	43~490	48 ~ 54V	55 ~ 63V	60 ~ 67V
		Shut down an	d latch off o/p	voltage, re-pow	27 ~ 34V ver on to recove	33 ~ 39V er	1	48 ~ 54V	55 ~ 63V	60 ~ 67V
	OVER TEMPERATURE	Shut down an	d latch off o/p p voltage, rec	voltage, re-pow overs automat	27 ~ 34V ver on to recover ically after ten	33 ~ 39V er nperature goes	s down	48 ~ 54V	55 ~ 63V	60 ~ 67V
	OVER TEMPERATURE WORKING TEMP.	Shut down an Shut down o/ Tcase= -40 ~	d latch off o/p p voltage, rec +90°C (Pleas	voltage, re-pow	27 ~ 34V ver on to recover ically after ten	33 ~ 39V er nperature goes	s down	48 ~ 54V	55 ~ 63V	60 ~ 67V
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP.	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C	d latch off o/p p voltage, rec +90°C (Pleas	voltage, re-pow overs automat e refer to "OUT	27 ~ 34V ver on to recover ically after ten	33 ~ 39V er nperature goes	s down	48 ~ 54V	55 ~ 63V	60 ~ 67V
NVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	d latch off o/p p voltage, rec +90°C (Pleas c non-condensi	voltage, re-pow overs automat e refer to "OUT	27 ~ 34V ver on to recover ically after ten	33 ~ 39V er nperature goes	s down	48 ~ 54V	55 ~ 63V	60 ~ 67V
:NVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C,	d latch off o/p p voltage, rec +90°C (Pleas c non-condensin 10 ~ 95% RH	voltage, re-pow overs automat e refer to "OUT	27 ~ 34V ver on to recover ically after ten	33 ~ 39V er nperature goes	s down	48 ~ 54V	55 ~ 63V	60 ~ 67V
ENVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (d latch off o/p p voltage, rec +90°C (Pleas c non-condensin 10 ~ 95% RH 0 ~ 50°C)	voltage, re-pow overs automat e refer to "OUT ng	27 ~ 34V wer on to recove ically after ten	33 ~ 39V er nperature goes B TEMPERATU	s down IRE" section)	48 ~ 54V	55 ~ 63V	60 ~ 67V
:NVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Shut down and Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C , ±0.03%/°C (10 ~ 500Hz, 5	d latch off o/p p voltage, rec +90°C (Pleas c non-condensin 10 ~ 95% RH 0 ~ 50°C) G 12min./1cyc	voltage, re-pow overs automat e refer to "OUT ng	27 ~ 34V ver on to recove ically after ten TPUT LOAD ver 72min. each alo	33 ~ 39V er nperature goes s TEMPERATU	s down IRE" section)			60 ~ 67V
:NVIRONMENT	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL1012, CAN BS EN/EN/AS UL8750;GB18	d latch off o/p.p voltage, rec +90°C (Pleas connon-condensin 10 ~ 95% RH 0 ~ 50°C) G 12min./1cyc/ CSA-C22.2 N /NZS 61347-2	voltage, re-pow overs automat e refer to "OUT ng cle, period for 7 o. 107.1-01, UL -13 independe 10.14(except for	27 ~ 34V er on to recove ically after ten FPUT LOAD vs 72min. each ala 8750(type"HL nt (except for bor C-type);IP65	33 ~ 39V er er experature goes a TEMPERATU eng X, Y, Z axe eng	s down IRE" section) s No. 250.0-08; B De); IEC/UL/BS	S EN/EN/AS/N EN/EN 62368- 3(except for B	IZS 61347-1, -1(except for AE	3,D type),
	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Shut down and Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C , ±0.03%/°C (10 ~ 500Hz, 5 UL1012, CAN BS EN/EN/AS UL8750; GB19 BIS IS15885(d latch off o/p p voltage, rec +90°C (Pleas c non-condensin 10 ~ 95% RH 0 ~ 50°C) G 12min./1cyc/CSA-C22.2 N/NZS 61347-2 1510.1,GB195 for 48V only),	voltage, re-pow overs automat e refer to "OUT ng cle, period for 7 o. 107.1-01, UL -13 independe 10.14(except for	27 ~ 34V ver on to recove ically after ten TPUT LOAD vs 72min. each ale .8750(type"HL nt (except for bor C-type);IP65 ,KC61347-1,K	33 ~ 39V er nperature goes s TEMPERATU ong X, Y, Z axe "), CSA C22.2 P tLG-240H C typ or IP67;J6134 C61347-2-13(6	s down IRE" section) S No. 250.0-08; B De); IEC/UL/BS 7-1,J61347-2-1	S EN/EN/AS/N EN/EN 62368- 3(except for B	IZS 61347-1, -1(except for AE	3,D type),
SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 50 UL1012, CAN BS EN/EN/AS UL8750; GB18 BIS IS15885(I/P-O/P:3.75	d latch off o/p p voltage, rec +90°C (Pleas connected in the connected in	voltage, re-pow overs automat e refer to "OUT ng cle, period for 70 o. 107.1-01, UL -13 independe 10.14(except for EAC TP TC 004	27 ~ 34V er on to recove ically after ten IPUT LOAD vs 72min. each ale .8750(type"HL or C-type);IP65 ,KC61347-1,K IP-FG:1.5KVA	33 ~ 39V er inperature goes s TEMPERATU ong X, Y, Z axe "), CSA C22.2 t HLG-240H C tyl or IP67; J6134 C61347-2-13(6)	s down IRE" section) S No. 250.0-08; B De); IEC/UL/BS 7-1,J61347-2-1	S EN/EN/AS/N EN/EN 62368- 3(except for B	IZS 61347-1, -1(except for AE	3,D type),
ENVIRONMENT SAFETY & EMC	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL1012, CAN BS EN/EN/AS UL8750; GB18 BIS IS15885(1/P-O/P:3.75 1/P-O/P, 1/P-F Compliance to	d latch off o/p p voltage, rec +90°C (Pleas connected in the connected in	voltage, re-pow overs automat e refer to "OUT ng cle, period for 7 o. 107.1-01, UL -13 independe 10.14(except for EAC TP TC 004 G:2KVAC Or 00M Ohms / 50 0015, BS EN/EN	27 ~ 34V ver on to recove ically after ten IPUT LOAD vs 72min. each ale .8750(type"HL or C-type);IP65 ,KC61347-1,K IP-FG:1.5KVA 0VDC / 25°C/ I55032 (CISPF	33 ~ 39V er inperature goes s TEMPERATU ong X, Y, Z axe "), CSA C22. 2! ILG-240H C tyl or IP67;J6134 C61347-2-13(6 C 70% RH 832) Class B, B	s down IRE" section) S No. 250.0-08; B poe); IEC/UL/BS 7-1,J61347-2-1 xxcept for AB,C	S EN/EN/AS/N EN/EN 62368- 3(except for B D-type) appro	IZS 61347-1, -1(except for AE ,AB and D-type vved	3,D type),
SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL1012, CAN BS EN/EN/AS UL8750; GB18 BIS IS15885(I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to	d latch off o/p.p voltage, rec +90°C (Pleas connected in the connected in	voltage, re-pow overs automat e refer to "OUT ng cle, period for 7 o. 107.1-01, UL -13 independe 10.14(except fc EAC TP TC 004 G:2KVAC Or 00M Ohms / 50 015, BS EN/EN 743 and GB176 000-4-2,3,4,5,6	27 ~ 34V ver on to recove ically after ten IPUT LOAD vs 72min. each ale .8750(type"HL or C-type);IP65 ,KC61347-1,K IP-FG:1.5KVA 0VDC / 25°C/ I55032 (CISPF 25.1,EAC TP 1 6,8,11, BS EN/	33 ~ 39V er Inperature goes STEMPERATU TO STEMPERA	s down IRE" section) S No. 250.0-08; B De); IEC/UL/B S7-1,J61347-2-1 except for AB,C S EN/EN61000 5,KN61547(ex	S EN/EN/AS/N EN/EN 62368 3(except for B D-type) appro	IZS 61347-1, -1(except for AE ,AB and D-type vved	3,D type),),
SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL1012, CAN BS EN/EN/AS UL8750; GB19 BIS IS15885(I/P-O/P; 3.75 I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to Line-Earth 4K	d latch off o/p.p voltage, rec +90°C (Pleas connon-condensia 10 ~ 95% RH 0 ~ 50°C) G 12min./1cyc /CSA-C22.2 N /NZS 61347-2 /9510.1,GB195 for 48V only), KVAC I/P-F G, O/P-FG:10 DBS EN/EN55 00-3-3,GB177 DBS EN/EN61 V, Line-Line 2	voltage, re-pow overs automat e refer to "OUT ng cle, period for 7 o. 107.1-01, UL -13 independe 10.14(except fc EAC TP TC 004 G:2KVAC O/ 00M Ohms / 50 015, BS EN/EN 743 and GB176 000-4-2,3,4,5,6 KV) EAC TP TC	27 ~ 34V er on to recove ically after ten IPUT LOAD vs 72min. each alc .8750(type"HL nt (except for H or C-type);IP65 .KC61347-1,K IP-FG:1.5KVA 0VDC / 25°C / I55032 (CISPF 25.1,EAC TP 7 .6,8,11, BS EN// C 020;KC KN15	33 ~ 39V er Inperature goes STEMPERATL Dong X, Y, Z axe I), CSA C22.21 ILG-240H C tyl or IP67; J6134 C61347-2-13(e) C C 70% RH R32) Class B, B TC 020; KC KN1 EN61547, BS E 6, KN61547(exc)	s down IRE" section) S No. 250.0-08; B Se); IEC/UL/BS 7-1,J61347-2-1 EXCEPT for AB,C S EN/EN61000 5,KN61547(ex EN/EN55024, liquept for AB,C,D-	S EN/EN/AS/N EN/EN 62368- 3(except for B ,D-type) appro	IZS 61347-1, -1(except for AE ,AB and D-type ved (@ load≧50% D-type)	3,D type),),
SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 50 UL1012, CAN BS EN/EN/AS UL8750; GB19 BIS IS15885(1/P-O/P; 3.75 1/P-O/P, 1/P-F Compliance to ES EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/E	d latch off o/p.p voltage, rec +90°C (Pleas Connon-condensin 10 ~ 95% RH 0 ~ 50°C) G 12min./1cyc /CSA-C22.2 N /NZS 61347-2 9510.1,GB195 for 48V only), KVAC I/P-F G, O/P-FG:10 98 EN/EN55 900-3-3,GB177 b RS EN/EN61 V, Line-Line 2l nin. Telcord	voltage, re-pow overs automat e refer to "OUT ng Cle, period for 70 o. 107.1-01, UL -13 independe 10.14(except fc EAC TP TC 004 G:2KVAC O/ 00M Ohms / 50 015, BS EN/EN 743 and GB176 000-4-2,3,4,5,6 KV) EAC TP TC	27 ~ 34V ver on to recove ically after ten IPUT LOAD vs 72min. each alc .8750(type"HL nt (except for I- or C-type);IP65 .KC61347-1,K .VP-FG:1.5KVA 0VDC / 25°C/ .I55032 (CISPF 25.1,EAC TP 1 .8,8,11, BS EN/ C 020;KC KN15 .Coco; 176.4K	33 ~ 39V er Inperature goes In	s down IRE" section) S No. 250.0-08; B De); IEC/UL/BS 7-1,J61347-2-1 except for AB,C S EN/EN61000 5,KN61547(ex EN/EN55024, liq ept for AB,C,D- L-HDBK-217F	S EN/EN/AS/N EN/EN 62368- 3(except for B ,D-type) appro 0-3-2 Class C cept for AB,C, ght industry lev type) (25°C)	IZS 61347-1, -1(except for AE ,AB and D-type ived (@ load≥50% D-type) vel (surge immu	3,D type),),
SAFETY &	OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	Shut down an Shut down o/ Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 50 UL1012, CAN BS EN/EN/AS UL8750; GB19 BIS IS15885(1/P-O/P, 1/P-F Compliance to ES EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/E	d latch off o/p.p voltage, rec +90°C (Pleas c +90°C) (Pleas c	voltage, re-pow overs automat e refer to "OUT ng cle, period for 7 o. 107.1-01, UL -13 independe 10.14(except fc EAC TP TC 004 G:2KVAC O/ 00M Ohms / 50 015, BS EN/EN 743 and GB176 000-4-2,3,4,5,6 KV) EAC TP TC	27 ~ 34V ver on to recove ically after ten IPUT LOAD vs 72min. each ald .8750(type"HL nt (except for h or C-type);IP65 ,KC61347-1,K IP-FG:1.5KVA 0VDC / 25°C / I55032 (CISPF 25.1,EAC TP 1 6,8,11, BS EN// C 020;KC KN15 Icore); 176.4K nK/A/B) 2	33 ~ 39V er Inperature goes In	s down IRE" section) S No. 250.0-08; B Se); IEC/UL/BS 7-1,J61347-2-1 EXCEPT for AB,C S EN/EN61000 5,KN61547(ex EN/EN55024, liquept for AB,C,D-	S EN/EN/AS/N EN/EN 62368- 3(except for B ,D-type) appro 0-3-2 Class C cept for AB,C, ght industry lev type) (25°C) -240H C-Type)	IZS 61347-1, -1(except for AE ,AB and D-type ived (@ load≧50% D-type) vel (surge immu	3,D type),),

- 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 (tc) 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
- ** Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:HLG-240H-SPEC 2022-02-18



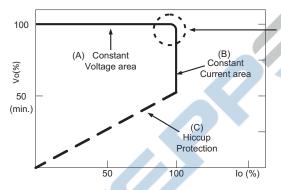
■ BLOCK DIAGRAM

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.



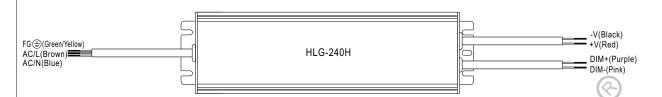
Typical output current normalized by rated current (%)

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.

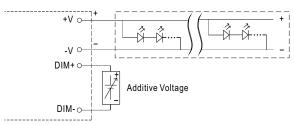


■ DIMMING OPERATION



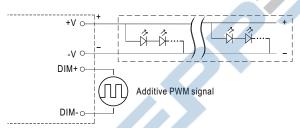
imes 3 in 1 dimming function (for B/AB-Type)

- 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



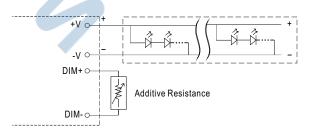
"DO NOT connect "DIM- to -V"

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

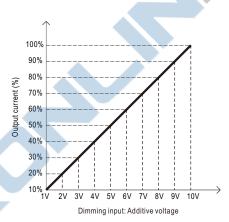


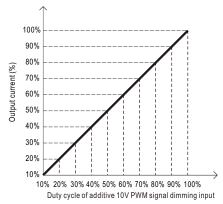
"DO NOT connect "DIM- to -V"

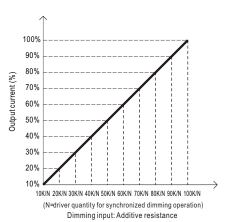
O Applying additive resistance:



"DO NOT connect "DIM- to -V"

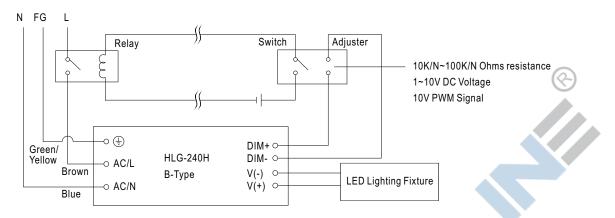






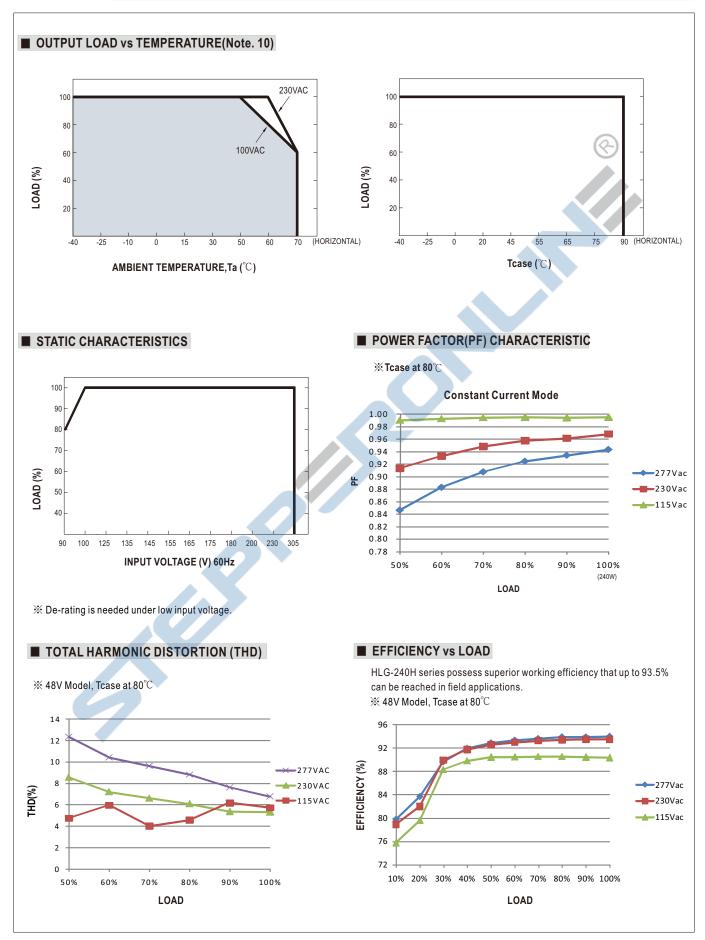


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.

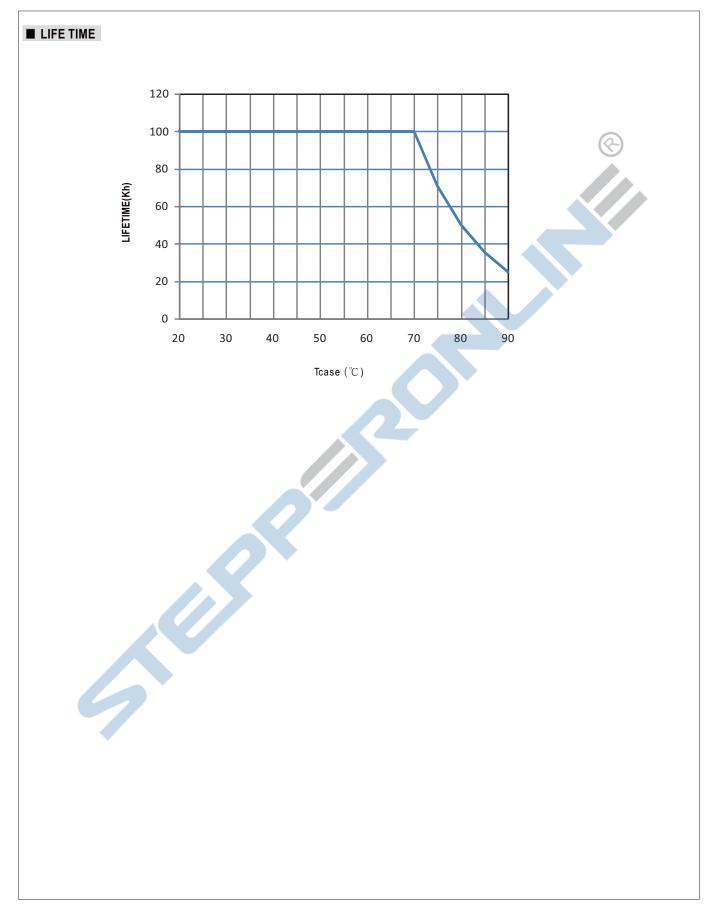


Using a switch and relay can turn ON/OFF the lighting fixture.

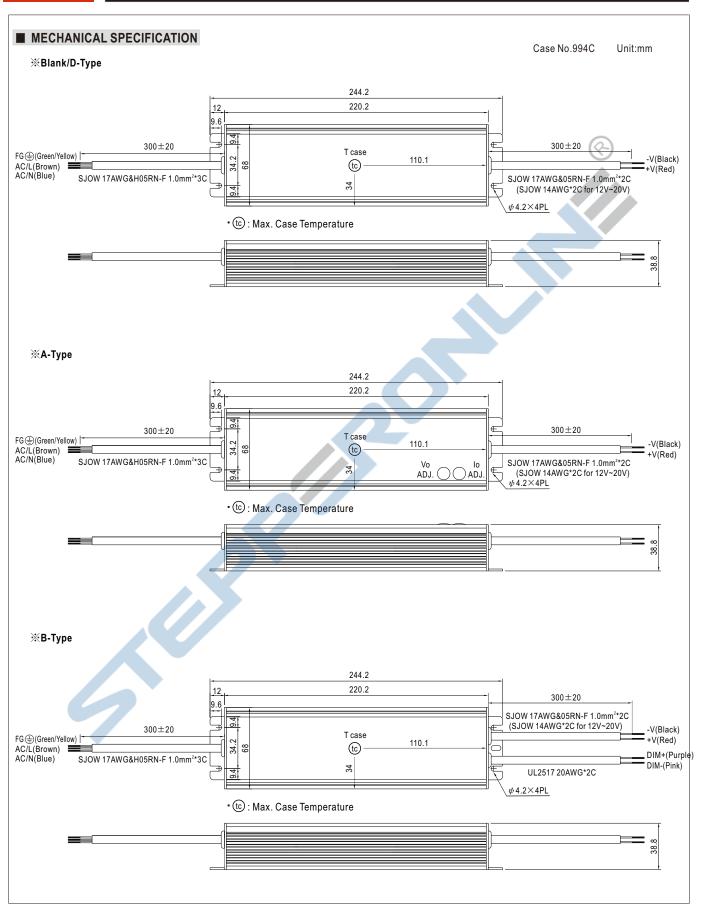




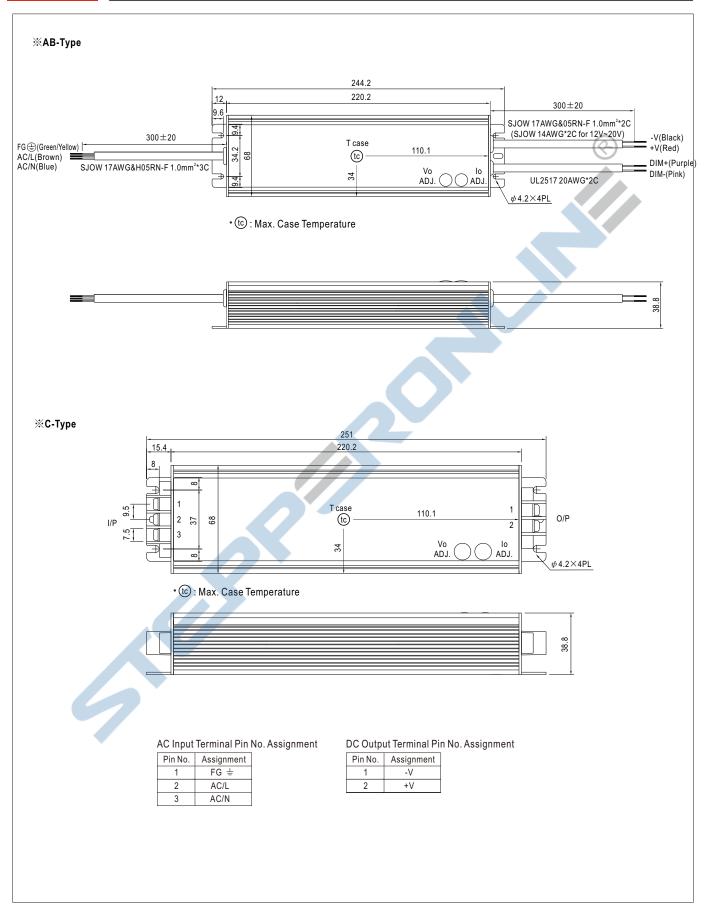














■ WATERPROOF CONNECTION

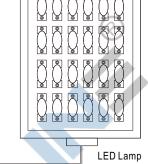
※ Waterproof connector

 $Waterproof connector \ can be \ assembled \ on \ the \ output \ cable \ of \ HLG-240H \ to \ operate \ in \ dry/wet/damp \ or \ outdoor \ environment.$

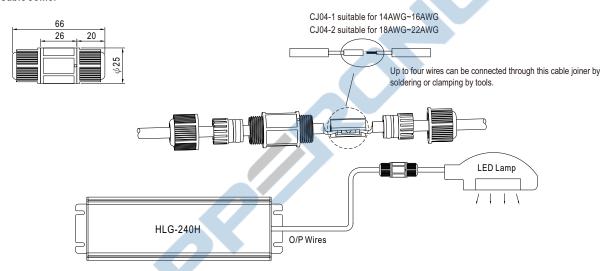


Size	Pin Configuration (Female)				
M12	000	000			
IVIIZ	4-PIN	5-PIN			
	5A/PIN	5A/PIN			
Order No.	M12-04	M12-05			
Suitable Current	10A max.	10A max.			

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

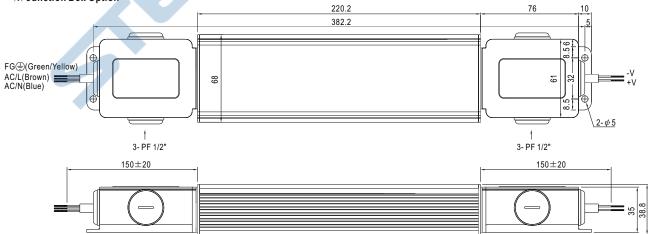


※ Cable Joiner



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

※ Junction Box Option



■ INSTALLATION MANUAL

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