

















Features

- · Constant Voltage + Constant Current mode output
- Metal housing with class I design
- · Built-in active PFC function
- IP67 / IP65 design for indoor or outdoor installations
- · Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off, isolated design); smart timer dimming; junction box
- Typical lifetime > 62000 hours
- 7 years warranty (Note.9)

Applications

- · LED Harbour
- LED greenhouse lighting
- · LED statium lighting
- LED mining lighting
- Type "HL" for use in Class I , Division 2 hazardous(Classified) location

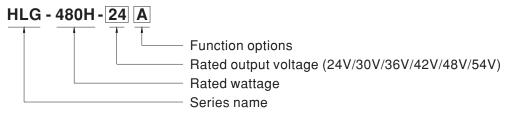
GTIN CODE

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

Description

HLG-480H series is a 480W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-480H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 24V and 54V. Thanks to the high efficiency up to 95.5%, with the fanless design, the entire series is able to operate for -40°C ~ +90°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-480H 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 (0~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request



480W Constant Voltage + Constant Current LED Driver

SPECIFICATION

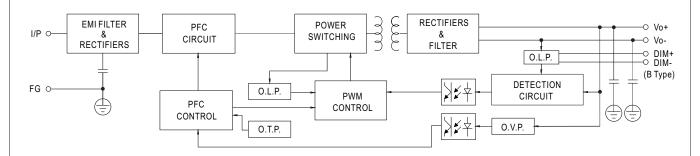
			HLG-480H-24	HLG-480H-30	HLG-480H-36	HLG-480H-42	HLG-480H-48	HLG-480H-54	
	DC VOLTAGE		24V	30V	36V	42V	48V	54V	
ОИТРИТ	CONSTANT CURRENT REGION Note.4		12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V	
	RATED CURRENT		20A	16A	13.3A	11.4A	10A	8.9A	
	RATED POWER		480W	480W	478.8W	478.8W	480W	480.6W	
	RIPPLE & NOISE (max.) Note.2		200mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p	
	V017405 4D 1 D			Adjustable for A/AB-Type only (via built-in potentiometer)					
	VOLTAGE ADJ. RANGE		20.4 ~ 25.2V	25.5 ~ 31.5V	30.6 ~ 37.8V	35.7 ~ 44.1V	40.8 ~ 50.4V	45.9 ~ 56.7V	
	OURDENT AR L RANGE		Adjustable for A/AB	Type only (via built-i	n potentiometer)				
	CURRENT ADJ. RANGE		10 ~ 20A	8 ~ 16A	6.6 ~ 13.3A	5.7 ~ 11.4A	5 ~ 10A	4.4 ~ 8.9A	
	VOLTAGE TOLERANCE Note.3		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	N	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	ON	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	Note.6	500ms, 80ms 115VAC/230VAC						
	HOLD UP TIME (Ty		16ms 115VAC/23						
	()	,, ,		27 ~ 431VDC					
	VOLTAGE RANGE	Note.5		TIC CHARACTERIST	TC" section)				
}	FREQUENCY RAN	IGE	47 ~ 63Hz		,				
				PF≧0.97/230VAC, PF	= 0.95/277VAC @ fi	ıll load			
	POWER FACTOR	(Тур.)		VER FACTOR (PF) CH	•				
			,	≥40% / 115VAC,230		otion)			
	TOTAL HARMONIC	DISTORTION	()	TAL HARMONIC DIS	. ,	ection)			
INPUT	EFFICIENCY	230VAC	94%	94.5%	95%	95%	94.5%	95%	
01	(Typ.)	277VAC	94.5%	95%	95.5%	95.5%	95%	95%	
	AC CURRENT (Typ					95.5 /6	95 /6	95 /6	
	INRUSH CURREN	,	5A / 115VAC 2.45A / 230VAC 2A / 277VAC						
	LEAKAGE CURRE	,	COLD START 35A(twidth=1800µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER		2unit(circuit breaker of type B) / 3units(circuit breaker of type C) at 230VAC						
			95 ~ 108%						
	OVER CURRENT		Constant current limiting, recovers automatically after fault condition is removed						
	SHORT CIRCUIT		Constant current limiting, recovers automatically after fault condition is removed						
PROTECTION			27 ~ 33V	33 ~ 40V	40 ~ 50V	46 ~ 55V	53 ~ 63V	60 ~ 70V	
	OVER VOLTAGE		Shut down output vo	Itage, re-power on to	recoverv				
	OVER TEMPERAT	URE	Shut down output voltage, re-power on to recovery Shut down output voltage, re-power on to recovery						
	-			Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
,	WORKING TEMP.		Tcase= -40 ~ +90°C		· · · · · · · · · · · · · · · · · · ·	PERATURE" section)		
		,			· · · · · · · · · · · · · · · · · · ·	PERATURE" section)		
	MAX. CASE TEMP		Tcase=+90°C	(Please refer to "OU	· · · · · · · · · · · · · · · · · · ·	PERATURE" section)		
ENVIRONMENT	MAX. CASE TEMP	ITY	Tcase= +90°C 20 ~ 95% RH non-c	(Please refer to "OU	TPUT LOAD vs TEM	PERATURE" section)		
ENVIRONMENT	MAX. CASE TEMP WORKING HUMID STORAGE TEMP.,	ITY Humidity	Tcase= +90°C 20 ~ 95% RH non-c -40 ~ +80°C, 10 ~ 95	(Please refer to "OU ondensing % RH non-condensin	TPUT LOAD vs TEM	PERATURE" section)		
ENVIRONMENT	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE	ITY Humidity	Tcase= +90°C $20 \sim 95\%$ RH non-c $-40 \sim +80$ °C, $10 \sim 95$ $\pm 0.02\%$ °C ($0 \sim 60$ °	(Please refer to "OU ondensing % RH non-condensin	TPUT LOAD vs TEM)		
ENVIRONMENT	MAX. CASE TEMP WORKING HUMID STORAGE TEMP.,	ITY HUMIDITY NT	Tcase= +90 $^{\circ}$ C 20 ~ 95% RH non-c -40 ~ +80 $^{\circ}$ C, 10 ~ 98 ±0.02%/ $^{\circ}$ C (0 ~ 60 10 ~ 500Hz, 5G 12m UL8750(type"HL"), 0 GB19510.14,GB195	(Please refer to "OU ondensing 5% RH non-condensin C) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA	g 72min. each along X, -12; ENEC BS EN/EN C TP TC 004,AS/NZS	Y, Z axes 161347-1, BS EN/EN6 B IEC 61347.2.13:201	1347-2-13 independer 3,AS/NZS 61347.1:20°		
ENVIRONMENT	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR	HUMIDITY NT RDS	Tcase= +90 $^{\circ}$ C 20 ~ 95% RH non-c -40 ~ +80 $^{\circ}$ C, 10 ~ 98 ±0.02% $^{\circ}$ C (0 ~ 60 $^{\circ}$ 10 ~ 500Hz, 5G 12m UL8750(type"HL"), (GB19510.14,GB195 KC61347-2-13(exce	(Please refer to "OU ondensing 5% RH non-condensin CC) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6	9 72min. each along X, -12; ENEC BS EN/EN C TP TC 004,AS/NZS 1347-1(H29), J61347	Y, Z axes 161347-1, BS EN/EN6	1347-2-13 independer 3,AS/NZS 61347.1:20°		
	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR WITHSTAND VOLT	HUMIDITY NT RDS	Tcase= $+90^{\circ}$ C $20 \sim 95\%$ RH non-c $-40 \sim +80^{\circ}$ C, $10 \sim 95$ $\pm 0.02\%$ /°C ($0 \sim 60^{\circ}$ $10 \sim 500$ Hz, $5G$ 12m UL8750(type"HL"), $(GB19510.14, GB19510.14, GB19510.$	(Please refer to "OU ondensing % RH non-condensin (C) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6 I/P-FG:2KVAC C	9 72min. each along X, -12; ENEC BS EN/EN, C TP TC 004,AS/NZS 1347-1(H29), J61347)/P-FG:1.5KVAC	Y, Z axes 161347-1, BS EN/EN6 5 IEC 61347.2.13:201: -2-13(H29)(except for	1347-2-13 independer 3,AS/NZS 61347.1:20°		
SAFETY &	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR	HUMIDITY NT RDS	Tcase= $+90^{\circ}$ C $20 \sim 95\%$ RH non-c $-40 \sim +80^{\circ}$ C, $10 \sim 95$ $\pm 0.02\%$ /°C ($0 \sim 60^{\circ}$ $10 \sim 500$ Hz, $5G$ 12m UL8750(type"HL"), (GB19510.14,GB195 KC61347-2-13(exce I/P-O/P:3.75KVAC	(Please refer to "OU ondensing % RH non-condensin (C) in./1cycle, period for SSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6 I/P-FG:2KVAC C	9 72min. each along X, -12; ENEC BS EN/EN, C TP TC 004,AS/NZS 1347-1(H29), J61347)/P-FG:1.5KVAC 00VDC / 25°C / 70% F	Y, Z axes 161347-1, BS EN/EN6 B IEC 61347.2.13:201: -2-13(H29)(except for	1347-2-13 independer 3,AS/NZS 61347.1:20° Dx type)approved	16;KC61347-1,	
ENVIRONMENT SAFETY & EMC	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR WITHSTAND VOLT	HUMIDITY NT RDS	Tcase= +90 $^{\circ}$ C 20 ~ 95% RH non-c -40 ~ +80 $^{\circ}$ C, 10 ~ 95 ±0.02%/ $^{\circ}$ C (0 ~ 60 10 ~ 500Hz, 5G 12m UL8750(type"HL"), G GB19510.14,GB195 KC61347-2-13(exce I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/I Compliance to BS E GB17625.1, EAC T	(Please refer to "OU condensing 6% RH non-condensin C) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6 I/P-FG:2KVAC C P-FG:100M Ohms / 50 K/EN55015, BS EN/ CTC 020;KC KN15,K	9 72min. each along X, -12; ENEC BS EN/EN C TP TC 004,AS/NZS 1347-1(H29), J61347 0/P-FG:1.5KVAC 00VDC / 25°C / 70% F EN61000-3-2 Class N61547(except for A	Y, Z axes 161347-1, BS EN/EN6 B IEC 61347.2.13:201: -2-13(H29)(except for RH C (@ load≥50%); B B, Dx type), J55015(H	1347-2-13 independer 3,AS/NZS 61347.1:20 Dx type)approved S EN/EN61000-3-3;G	GB/T 17743,	
SAFETY &	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS	HUMIDITY NT RDS	Tcase= +90°C 20 ~ 95% RH non-c -40 ~ +80°C, 10 ~ 95 ±0.02%/°C (0 ~ 60 10 ~ 500Hz, 5G 12m UL8750(type"HL"), G GB19510.14,GB195 KC61347-2-13(exce I/P-O/P:3.75KVAC I/P-O/P, I/P-FG, O/I Compliance to BS E GB17625.1, EAC T Compliance to BS E	(Please refer to "OU condensing 6% RH non-condensin C) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6 I/P-FG:2KVAC C P-FG:100M Ohms / 50 KNEN55015, BS EN/ CTC 020;KC KN15,K IN/EN61000-4-2,3,4,	9 72min. each along X, -12; ENEC BS EN/EN C TP TC 004,AS/NZS 1347-1(H29), J61347 0/P-FG:1.5KVAC 00VDC / 25°C / 70% F EN61000-3-2 Class N61547(except for A 5,6,8,11, BS EN/EN6	Y, Z axes 161347-1, BS EN/EN6 B IEC 61347.2.13:201 -2-13(H29)(except for RH C (@ load≥50%); B B,Dx type),J55015(h 61547, light industry	1347-2-13 independer 3,AS/NZS 61347.1:20 Dx type)approved S EN/EN61000-3-3;G	BB/T 17743,	
SAFETY &	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION	HUMIDITY NT RDS	Tcase= +90 $^{\circ}$ C 20 ~ 95% RH non-c -40 ~ +80 $^{\circ}$ C, 10 ~ 95 ±0.02%/ $^{\circ}$ C (0 ~ 60 10 ~ 500Hz, 5G 12m UL8750(type"HL"), C GB19510.14,GB195 KC61347-2-13(exce I/P-O/P, I/P-FG, O/I Compliance to BS E GB17625.1, EAC T Compliance to BS E Line-Line 2KV), EA	(Please refer to "OU condensing 6% RH non-condensin C) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6 I/P-FG:2KVAC C P-FG:100M Ohms / 50 KNEN55015, BS EN/ CTC 020;KC KN15,K IN/EN61000-4-2,3,4,	9 72min. each along X, -12; ENEC BS EN/EN, C TP TC 004,AS/NZS 1347-1(H29), J61347 0/P-FG:1.5KVAC 00VDC / 25°C / 70% F EN61000-3-2 Class N61547(except for A 5,6,8,11, BS EN/EN, 5,KN61547(except f	Y, Z axes 161347-1, BS EN/EN6 B IEC 61347.2.13:201 -2-13(H29)(except for RH C (@ load≧50%); B B,Dx type),J55015(F 61547, light industry or AB,Dx type),J5507	1347-2-13 independer 3,AS/NZS 61347.1:20 Dx type)approved S EN/EN61000-3-3;G 129)(for Blank/A-type level (surge immunity 15(H29)(for Blank/A-type	BB/T 17743,	
SAFETY &	MAX. CASE TEMP WORKING HUMID STORAGE TEMP., TEMP. COEFFICIE VIBRATION SAFETY STANDAR WITHSTAND VOLT ISOLATION RESIS EMC EMISSION EMC IMMUNITY	HUMIDITY NT RDS	Tcase= +90 $^{\circ}$ C 20 ~ 95% RH non-c -40 ~ +80 $^{\circ}$ C, 10 ~ 95 ±0.02%/ $^{\circ}$ C (0 ~ 60 10 ~ 500Hz, 5G 12m UL8750(type"HL"), C GB19510.14,GB195 KC61347-2-13(exce I/P-O/P, I/P-FG, O/I Compliance to BS E GB17625.1, EAC T Compliance to BS E Line-Line 2KV), EA	(Please refer to "OU condensing (RH non-condensing (RH non-condensing (C) in./1cycle, period for CSA C22.2 No. 250.13 10.1;IP65 or IP67, EA pt for AB,Dx type), J6 I/P-FG:2KVAC C P-FG:100M Ohms / 50 IN/EN55015, BS EN/ PTC 020;KC KN15, K IN/EN61000-4-2,3,4, C TP TC 020;KC KN1 Telcordia SR-332(Bel	9 72min. each along X, -12; ENEC BS EN/EN, C TP TC 004,AS/NZS 1347-1(H29), J61347 0/P-FG:1.5KVAC 00VDC / 25°C / 70% F EN61000-3-2 Class N61547(except for A 5,6,8,11, BS EN/EN, 5,KN61547(except f	Y, Z axes 161347-1, BS EN/EN6 B IEC 61347.2.13:201 -2-13(H29)(except for RH C (@ load≧50%); B B,Dx type),J55015(F 61547, light industry or AB,Dx type),J5507	1347-2-13 independer 3,AS/NZS 61347.1:20 Dx type)approved S EN/EN61000-3-3;G 129)(for Blank/A-type level (surge immunity 15(H29)(for Blank/A-type	BB/T 17743,	

- 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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 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
- 13. For A/AB type need to consider build in using to comply with Type HL application.
- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx F/I/e Name:HLG-480H-SPEC 202-06-27



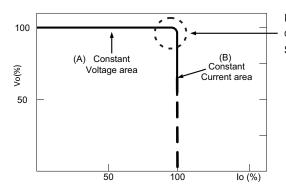
■ BLOCK DIAGRAM

PFC fosc : 45KHz PWM fosc : 55KHz



■ DRIVING METHODS OF LED MODULE

X 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.

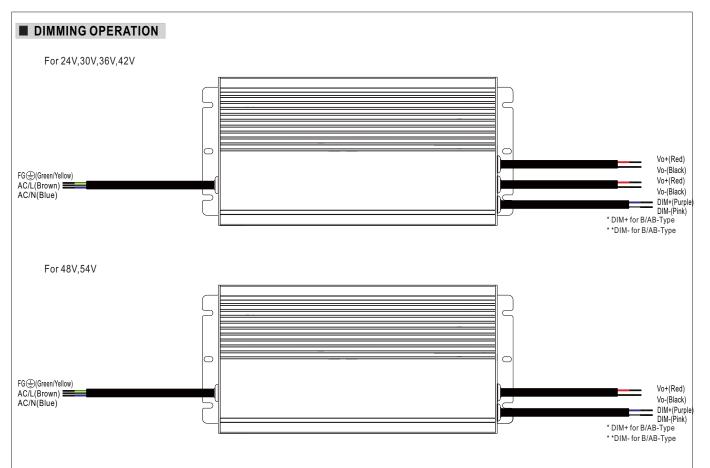


Typical output current normalized by rated current (%)

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.

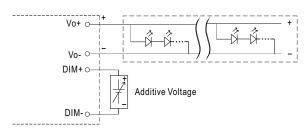




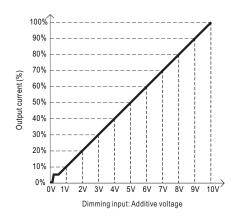
imes 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
 0 ~ 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.)

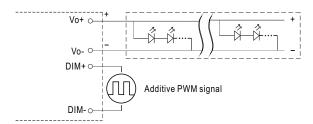
O Applying additive 0 ~ 10VDC



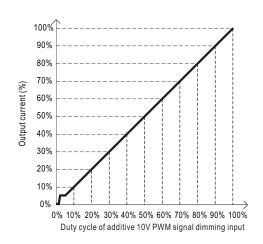
"DO NOT connect "DIM- to Vo-"



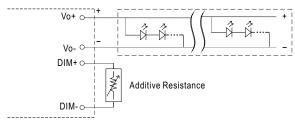




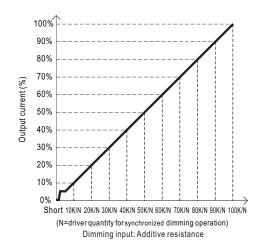
"DO NOT connect "DIM- to Vo+"



O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"



Note: 1. Min. dimming level is about 6% and the output current is not defined when 0% < Iout < 6%.

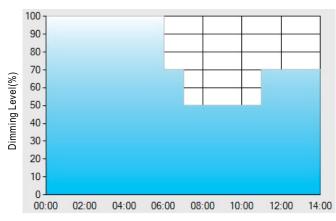
2. The output current could drop down to 0% when dimming input is about 0k Ω or 0Vdc, or 10V PWM signal with 0% duty cycle.



※ Smart timer dimming function (for Dxx-Type by User definition)

MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level to perform up to 14 consecutive hours. 3 dimming profiles hereunder are defined accounting for the most frequently seen applications. If other options may be needed, please contact MEAN WELL for details.

Ex: OD01-Type: the profile recommended for residential lighting



Set up for D01-Type in Smart timer dimming software program:

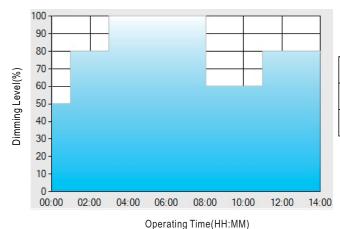
	T1	T2	Т3	T4
TIME**	06:00	07:00	11:00	
LEVEL**	100%	70%	50%	70%

Operating Time(HH:MM)

- **: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.
 - Example: If a residential lighting application adopts D01-Type, when turning on the power supply at 6:00pm, for instance:
- [1] The power supply will switch to the constant current level at 100% starting from 6:00pm.
- [2] The power supply will switch to the constant current level at 70% in turn, starting from 0:00am, which is 06:00 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 50% in turn, starting from 1:00am, which is 07:00 after the power supply turns on.
- [4] The power supply will switch to the constant current level at 70% in turn, starting from 5:00am, which is 11:00 after the power supply turns on.

 The constant current level remains till 8:00am, which is 14:00 after the power supply turns on.

Ex: O D02-Type: the profile recommended for street lighting



Set up for D02-Type in Smart timer dimming software program:

	T1	T2	Т3	T4	T5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

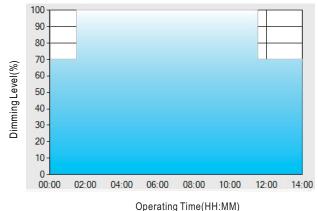
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

Example: If a street lighting application adopts D02-Type, when turning on the power supply at 5:00pm, for instance:

- [1] The power supply will switch to the constant current level at 50% starting from 5:00pm.
- [2] The power supply will switch to the constant current level at 80% in turn, starting from 6:00pm, which is 01:00 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 100% in turn, starting from 8:00pm, which is 03:00 after the power supply turns on.
- [4] The power supply will switch to the constant current level at 60% in turn, starting from 1:00am, which is 08:00 after the power supply turns on.
- [5] The power supply will switch to the constant current level at 80% in turn, starting from 4:00am, which is 11:00 after the power supply turns on. The constant current level remains till 6:30am, which is 14:00 after the power supply turns on.







Set up for D03-Type in Smart timer dimming software program:

	T1	T2	Т3
TIME**	01:30	11:00	
LEVEL**	70%	100%	70%

 ** : TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

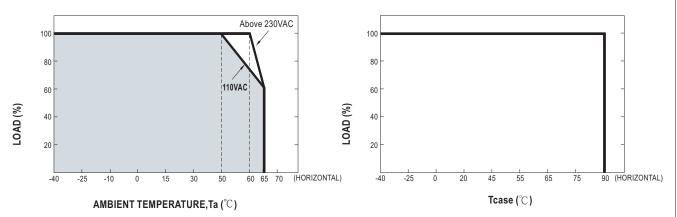
 $\textbf{Example: If a tunnel lighting application adopts D03-Type, when turning on the power supply at 4:30pm, for instance: \\$

- [1] The power supply will switch to the constant current level at 70% starting from 4:30pm.
- [2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on.
- [3] The power supply will switch to the constant current level at 70% in turn, starting from 5:00 am, which is 11:00 after the power supply turns on.

The constant current level remains till 6:30am, which is 14:00 after the power supply turns on.



■ OUTPUT LOAD vs TEMPERATURE(Note.10)

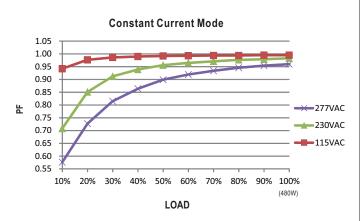


◎ If HLG-480H operates in constant current mode with the rated current, the maximum workable Ta is 60°C.(Typ. 230VAC)

■ STATIC CHARACTERISTICS

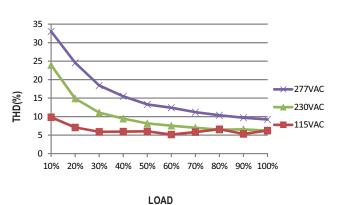
■ POWER FACTOR(PF) CHARACTERISTIC

★ Tcase at 75°C



■ TOTAL HARMONIC DISTORTION (THD)

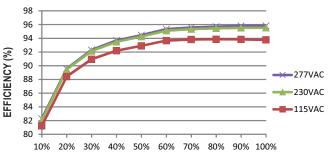
¾ 42V Model, Tcase at 75°C



■ EFFICIENCY vs LOAD

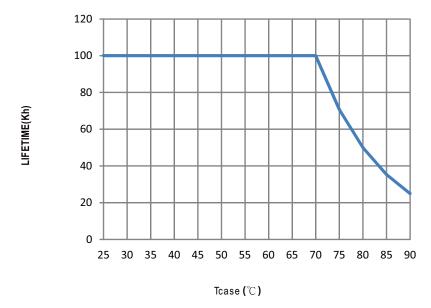
HLG-480H series possess superior working efficiency that up to 95.5% can be reached in field applications.

¾ 42V Model, Tcase at 75°C

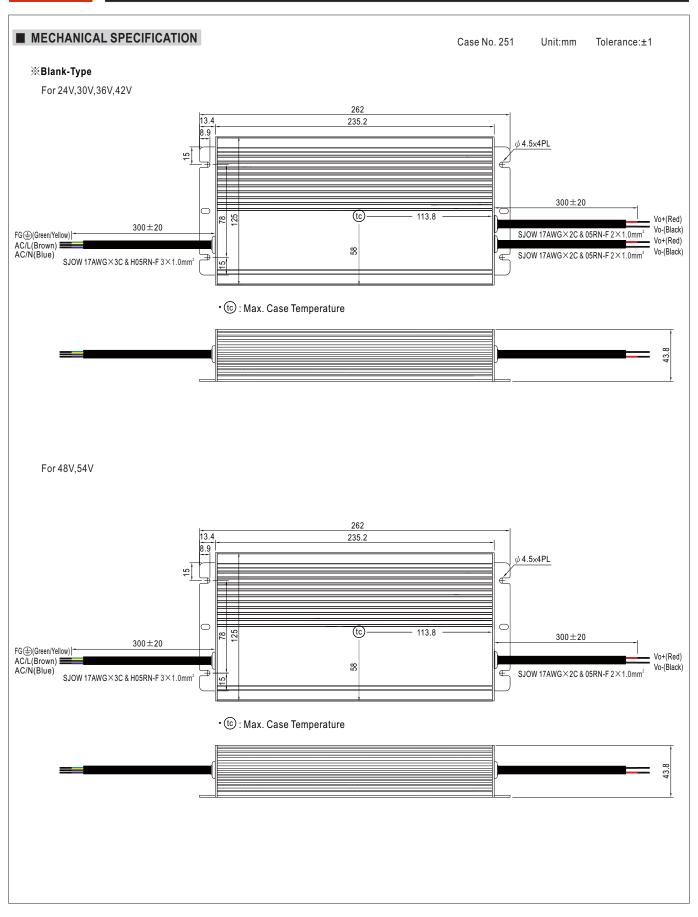


LOAD

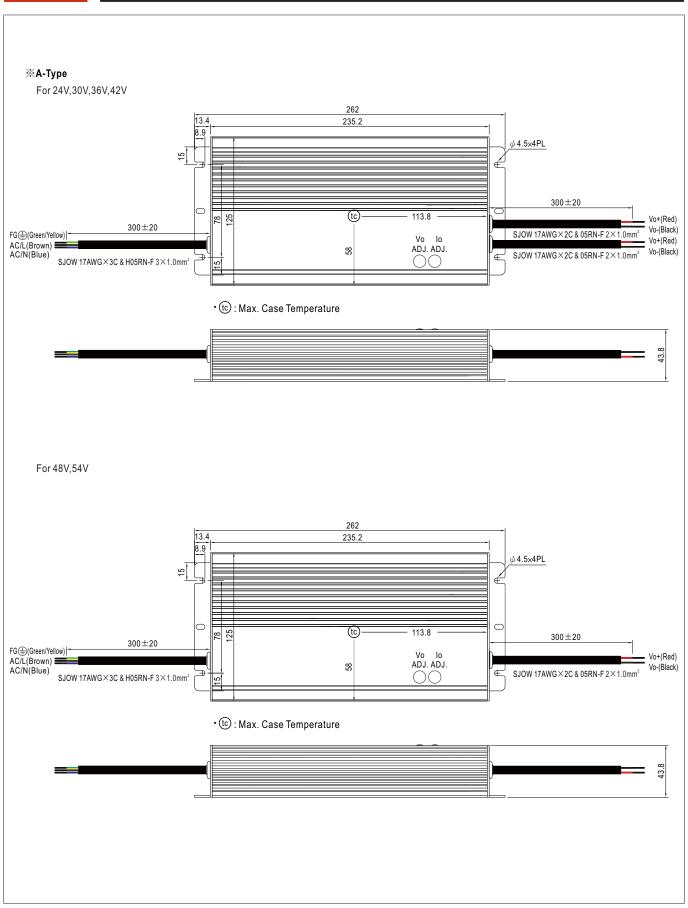
■ LIFETIME



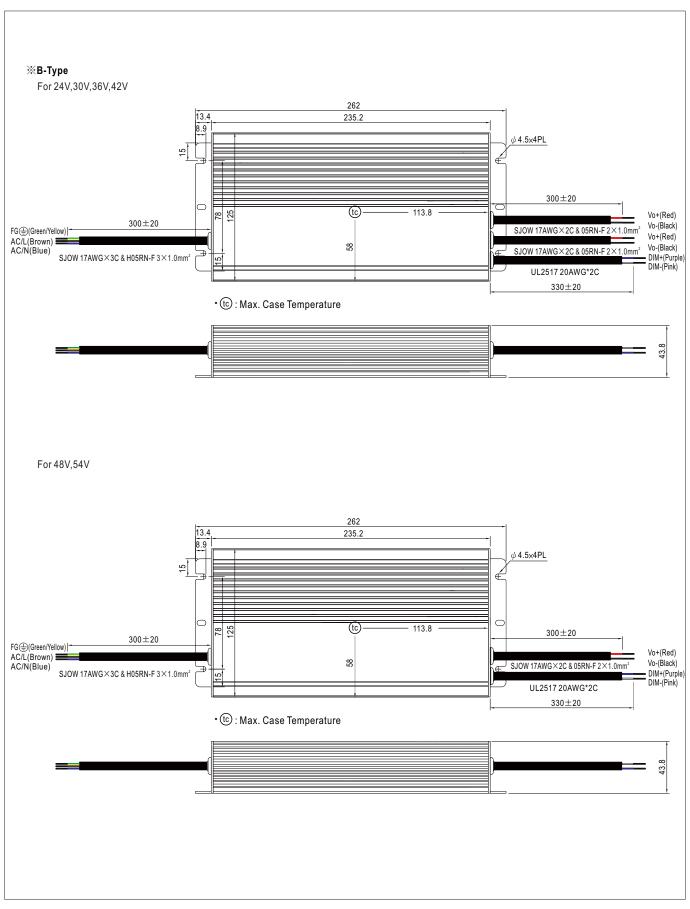
HLG-480H series



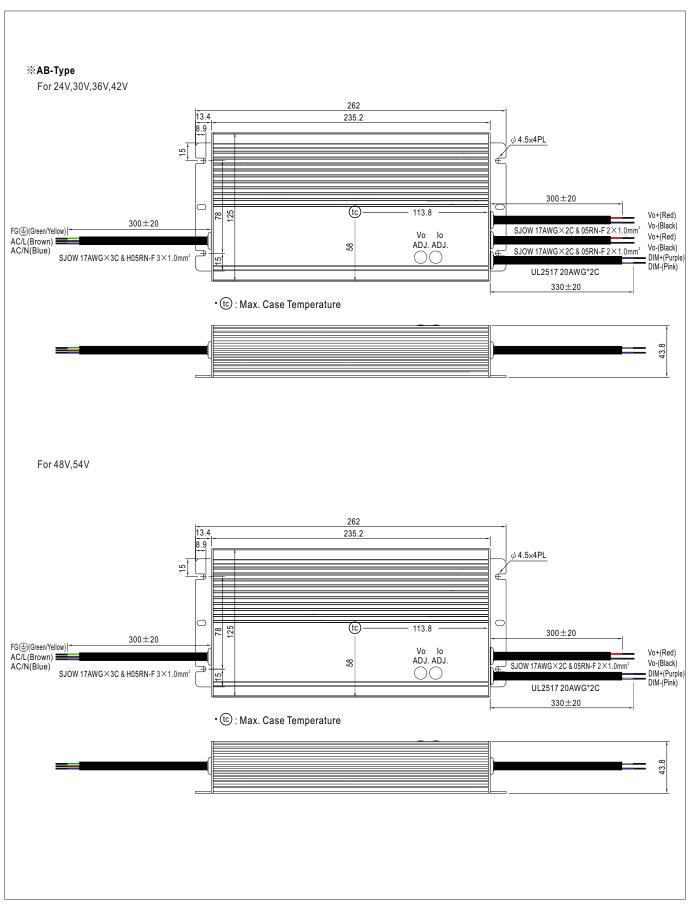


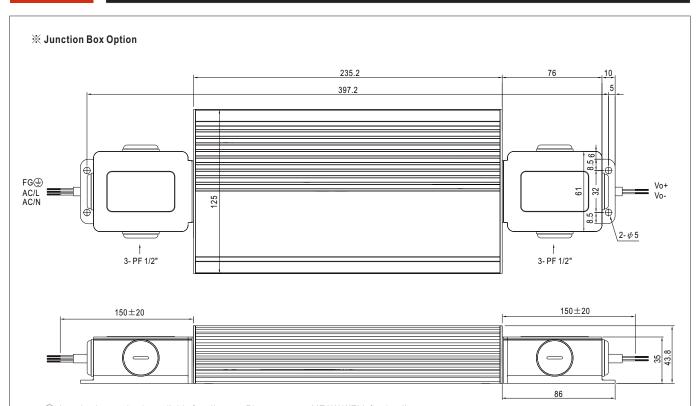












O Junction box option is available for all types. Please contact MEAW WELL for details.

■ INSTALLATION MANUAL

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