

480W Constant Voltage + Constant Current LED Driver **HLG-480H** series







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• Type "HL" for use in Class I, Division 2

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>

hazardous(Classified) location

Applications

LED greenhouse lighting

· LED statium lighting

LED mining lighting

GTIN CODE

· LED Harbour

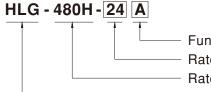
Features

- Constant Voltage + Constant Current mode output
- * Metal housing with class ${\mathbb I}$ 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)

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 ~ $+90^{\circ}$ 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-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



Function options Rated output voltage (24V/30V/36V/42V/48V/54V) Rated wattage Series name

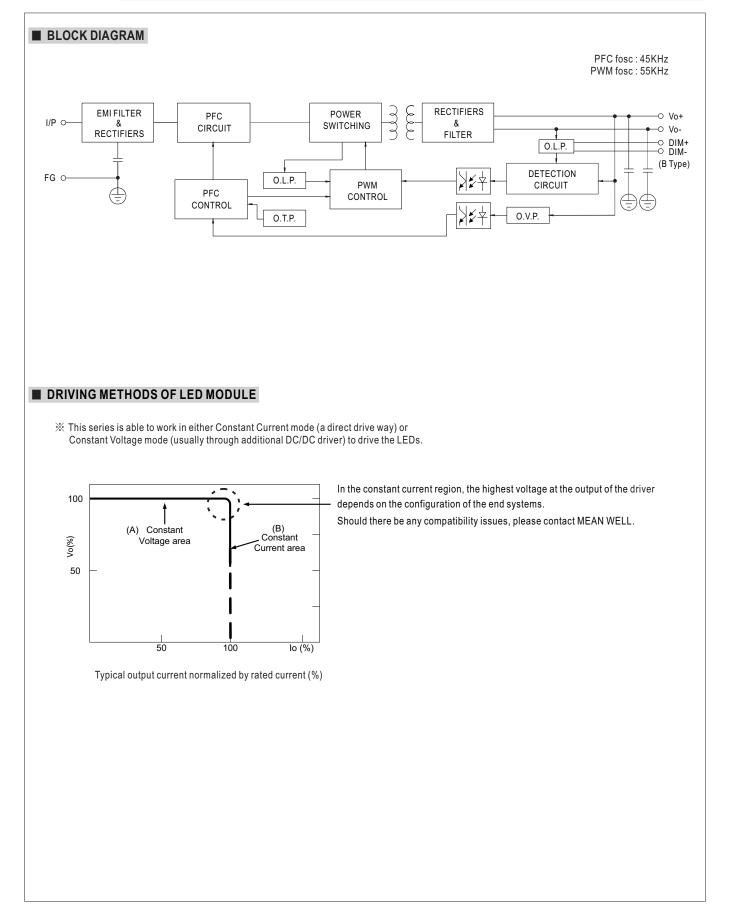
Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (0~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock



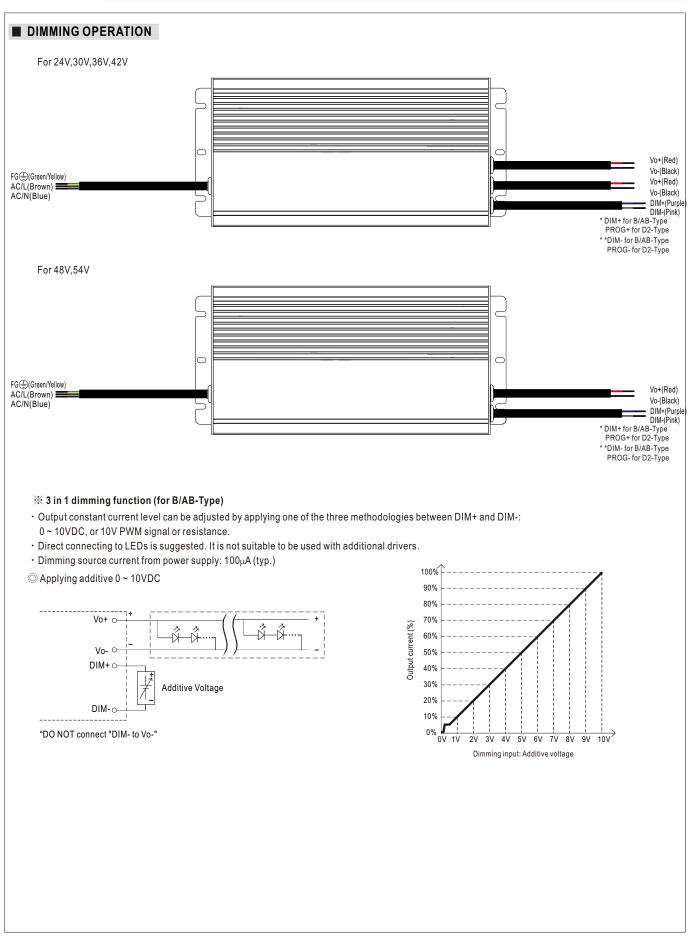
SPECIFICATION

	nax.) Note.2 NGE NGE Note.3 N Note.6 p.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	20A 480W 200mVp-p Adjustable for A/AB 20.4 ~ 25.2V Adjustable for A/AB 10 ~ 20A \pm 1.0% \pm 0.5% \pm 0.5% 500ms, 80ms 115VA 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "STA 47 ~ 63Hz PF ≥ 0.98/115VAC, 1 (Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C ≧40% / 115VAC,23	30.6 ~ 37.8V -in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5% ±0.5% TIC" section)		48∨ 24~48∨ 10A 480W 250mVp-p 40.8~50.4∨ 5~10A ±1.0% ±0.5%	54V 27 ~ 54V 8.9A 480.6W 350mVp-p 45.9 ~ 56.7V 4.4 ~ 8.9A ± 1.0% ± 0.5% ± 0.5%			
ATED CURRENT ATED POWER IPPLE & NOISE (I OLTAGE ADJ. RA URRENT ADJ. RA URRENT ADJ. RA INE REGULATION OAD REGULATION OF CURRENT (Typ.) C CURRENT (Typ.) C CURRENT (Typ.) RUSH CURRENT EAKAGE CURRE IAX. NO. of PSUS IRCUIT BREAKE	nax.) Note.2 NGE NGE Note.3 N Note.6 p.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	20A 480W 200mVp-p Adjustable for A/AB 20.4 ~ 25.2V Adjustable for A/AB 10 ~ 20A \pm 1.0% \pm 0.5% \pm 0.5% 500ms, 80ms 115VA 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "STA 47 ~ 63Hz PF ≥ 0.98/115VAC, 1 (Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	16A 480W 200mVp-p -Type only (via built- 25.5 ~ 31.5V -Type only (via built- 8 ~ 16A ± 1.0% ± 0.5% AC/230VAC 0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C ≥40% / 115VAC,23 DTAL HARMONIC D	13.3A 478.8W 250mVp-p in potentiometer) 30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A $\pm 1.0\%$ $\pm 0.5\%$ $\oplus 0.95/277VAC$ @ f HARACTERISTIC" section)	11.4A 478.8W 250mVp-p 35.7 ~ 44.1V 5.7 ~ 11.4A ± 1.0% ± 0.5% ± 0.5% ull load	10A 480W 250mVp-p 40.8 ~ 50.4V 5 ~ 10A ±1.0% ±0.5%	8.9A 480.6W 350mVp-p 45.9 ~ 56.7V 4.4 ~ 8.9A ± 1.0% ± 0.5%			
ATED POWER IPPLE & NOISE (r OLTAGE ADJ. RA URRENT ADJ. RA URRENT ADJ. RA INE REGULATION OAD REGULATION OAD REGULATION OAD REGULATION ETUP, RISE TIME OLD UP TIME (TY OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (TYF IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	NGE NGE NCE Note.3 NN Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	480W 200mVp-p Adjustable for A/AB $20.4 \sim 25.2V$ Adjustable for A/AB $10 \sim 20A$ ± 1.0% ± 0.5% ± 0.5% ± 0.5% 500ms, 80ms 115V/ 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "ST/ 47 ~ 63Hz PF ≥ 0.98/115VAC, 1 (Please refer to "PO" THD< 20% (@ load (Please refer to "TO" 94% 94.5%	480W 200mVp-p -Type only (via built- 25.5 ~ 31.5V -Type only (via built- 8 ~ 16A ± 1.0% ± 0.5% ± 0.5% AC/230VAC 0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C ≥ 40% / 115VAC,23 DTAL HARMONIC D	478.8W 250mVp-p in potentiometer) 30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	478.8W 250mVp-p 35.7 ~ 44.1V 5.7 ~ 11.4A ±1.0% ±0.5% ±0.5% ull load	480W 250mVp-p 40.8 ~ 50.4V 5 ~ 10A ±1.0% ±0.5%	480.6W 350mVp-p 45.9 ~ 56.7V 4.4 ~ 8.9A ±1.0% ±0.5%			
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OLTAGE TOLERA INE REGULATIO OAD REGULATIO ETUP, RISE TIME OLD UP TIME (Ty OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) C CURRENT (Typ.) RUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	NCE Note.3 Note.6 p.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V/ 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "ST/ 47 ~ 63Hz PF≧0.98/115VAC, 1 (Please refer to "PO' THD< 20% (@ load (Please refer to "TC 94% 94.5%	8 ~ 16A ± 1.0% ± 0.5% ± 0.5% AC/230VAC 0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C I≧40% / 115VAC,23 DTAL HARMONIC DI	6.6 ~ 13.3A ±1.0% ±0.5% ±0.5% TIC" section) F≥0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)	± 1.0% ± 0.5% ± 0.5%	±1.0% ±0.5%	±1.0% ±0.5%			
INE REGULATIO OAD REGULATIO ETUP, RISE TIME OLD UP TIME (Ty OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC D OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUS IRCUIT BREAKE	I Note.6 p.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	±1.0% ±0.5% ±0.5% 500ms, 80ms 115V/ 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "ST/ 47 ~ 63Hz PF≧0.98/115VAC, I (Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	\pm 1.0% \pm 0.5% \pm 0.5% AC/230VAC 0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C I≧ 40% / 115VAC,23 DTAL HARMONIC D	±1.0% ±0.5% ±0.5% TIC" section) F≥0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)	± 1.0% ± 0.5% ± 0.5%	±1.0% ±0.5%	±1.0% ±0.5%			
INE REGULATIO OAD REGULATIO ETUP, RISE TIME OLD UP TIME (Ty OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC D OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUS IRCUIT BREAKE	I Note.6 p.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	±0.5% ±0.5% 500ms, 80ms 115V/ 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "ST/ 47 ~ 63Hz PF≧0.98/115VAC, 1 (Please refer to "PO" THD< 20% (@ load (Please refer to "TG 94% 94.5%	\pm 0.5% \pm 0.5% AC/230VAC 0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C I≧40% / 115VAC,23 DTAL HARMONIC DI	±0.5% ±0.5% TIC" section) F≥0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)	±0.5% ±0.5%	±0.5%	±0.5%			
OAD REGULATIC ETUP, RISE TIME OLD UP TIME (Ty OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) IRUSH CURRENT EAKAGE CURREN IRCUIT BREAKE	Note.5 P.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	±0.5% 500ms, 80ms 115V/ 16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "ST/ 47 ~ 63Hz PF≧0.98/115VAC, 1 (Please refer to "PO" THD< 20% (@ load (Please refer to "TO" 94% 94.5%	\pm 0.5% AC/230VAC 0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C I≧40% / 115VAC,23 DTAL HARMONIC D	±0.5% TIC" section) F≧0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)	±0.5%					
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OLD UP TIME (Ty OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	p.) Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) .) .) .) NT	16ms 115VAC/23 90 ~ 305VAC 1 (Please refer to "ST/47 ~ 63Hz PF≧0.98/115VAC, I (Please refer to "PO' THD< 20% (@ load	0VAC 27 ~ 431VDC ATIC CHARACTERIS PF≧0.97/230VAC, P WER FACTOR (PF) C 2≧40% / 115VAC,23 DTAL HARMONIC D	F≧0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)						
OLTAGE RANGE REQUENCY RAN OWER FACTOR (OTAL HARMONIC E EFFICIENCY Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	Note.5 GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	90 ~ 305VAC 1 (Please refer to "ST/ 47 ~ 63Hz PF≧0.98/115VAC, I (Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	27 ~ 431VDC ATIC CHARACTERIS PF \geq 0.97/230VAC, P WER FACTOR (PF) C \geq 40% / 115VAC,23 DTAL HARMONIC D	F≧0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)						
REQUENCY RAN OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	(Please refer to "STA 47 ~ 63Hz PF≧0.98/115VAC, I (Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	ATIC CHARACTERIS $PF \ge 0.97/230VAC, P$ WER FACTOR (PF) C $\ge 40\% / 115VAC, 23$ DTAL HARMONIC D	F≧0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)						
REQUENCY RAN OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	GE Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	47 ~ 63Hz PF≧0.98/115VAC, I (Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	PF≧0.97/230VAC, P WER FACTOR (PF) C I≧40% / 115VAC,23 DTAL HARMONIC D	F≧0.95/277VAC @ f HARACTERISTIC" se 0VAC,277VAC)						
OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	PF≧0.98/115VAC, I (Please refer to "PO" THD< 20% (@ load (Please refer to "T(94% 94.5%	WER FACTOR (PF) C ≧40% / 115VAC,23 DTAL HARMONIC D	HARACTERISTIC" se 0VAC,277VAC)						
OWER FACTOR (OTAL HARMONIC D FFICIENCY Typ.) C CURRENT (Typ.) IRUSH CURRENT EAKAGE CURRENT EAKAGE CURRENT IRCUIT BREAKE	Typ.) ISTORTION 230VAC 277VAC .) (Typ.) NT	PF≧0.98/115VAC, I (Please refer to "PO" THD< 20% (@ load (Please refer to "T(94% 94.5%	WER FACTOR (PF) C ≧40% / 115VAC,23 DTAL HARMONIC D	HARACTERISTIC" se 0VAC,277VAC)						
OTAL HARMONIC E FFICIENCY Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	ISTORTION 230VAC 277VAC .) (Typ.) NT	(Please refer to "PO" THD< 20% (@ load (Please refer to "TC 94% 94.5%	WER FACTOR (PF) C ≧40% / 115VAC,23 DTAL HARMONIC D	HARACTERISTIC" se 0VAC,277VAC)						
FFICIENCY Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	230VAC 277VAC .) (Typ.)	THD< 20% (@ load (Please refer to "TC 94% 94.5%	I≧40% / 115VAC,23 DTAL HARMONIC DI	0VAC,277VAC)						
FFICIENCY Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	230VAC 277VAC .) (Typ.)	(Please refer to "TC 94% 94.5%	DTAL HARMONIC DI							
Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	277VAC .) (Typ.) NT	94% 94.5%			THD< 20% (@ load≧40% / 115VAC,230VAC,277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)					
Typ.) C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	277VAC .) (Typ.) NT	94.5%	94.5%	,	,	04 504	050/			
C CURRENT (Typ IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	.) (Тур.) NT			95%	95%	94.5%	95%			
IRUSH CURRENT EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	(Typ.) NT	5A/115VAC 2	95%	95.5%	95.5%	95%	95%			
EAKAGE CURRE IAX. NO. of PSUs IRCUIT BREAKE	NT			2A / 277VAC						
IAX. NO. of PSUs IRCUIT BREAKE		COLD START 35A(twidth=1800µzs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
IRCUIT BREAKE	on 16A	<0.75mA / 277VAC								
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER		2unit(circuit breaker of type B) / 3units(circuit breaker of type C) at 230VAC							
VER CURRENT		95 ~ 108%								
		Constant current limiting, recovers automatically after fault condition is removed								
		Constant current limiting, recovers automatically after fault condition is removed								
HORT CIRCUIT			33 ~ 40V	40 ~ 50V		53~621/	60 ~ 701/			
VER VOLTAGE		27 ~ 33V			46 ~ 55V	53~63V	60~70V			
			oltage, re-power on to							
OVER TEMPERATURE		Shut down output voltage, re-power on to recovery								
WORKING TEMP.		Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)								
MAX. CASE TEMP.		Tcase=+90°C								
WORKING HUMIDITY		20 ~ 95% RH non-condensing								
STORAGE TEMP., HUMIDITY		-40 ~ +80°C, 10 ~ 9	5% RH non-condensi	ng						
TEMP. COEFFICIENT		±0.02%/°C (0~60	°C)							
VIBRATION		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
SAFETY STANDARDS		UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384; GB19510.14,GB19510.1;IP65 or IP67, EAC TP TC 004,AS/NZS IEC 61347.2.13:2013,AS/NZS 61347.1:2016;KC61347-1, KC61347-2-13(except for AB,Dx,D2-type), J61347-1(H29), J61347-2-13(H29)(except for Dx type)approved								
ITHSTAND VOLT	AGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC								
EMC EMISSION		GB17625.1, EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J55015(H29)(for Blank/A-type)								
EMC IMMUNITY		Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J55015(H29)(for Blank/A-type)								
MTBF		1185.9K hrs min.	Telcordia SR-332(Be	ellcore); 95.4K hrs mir	n. MIL-HDBK-217F	(25°℃)				
DIMENSION		262*125*43.8mm (L*W*H)								
PACKING		2.8Kg;4pcs/12.2Kg/0.55CUFT								
 Ripple & noise Tolerance : incluidation includes a sector of the sector of	are measure udes set up "DRIVING M be needed u b time is me nsidered as ation, the fin https://www ments of the e mains. ats the typica b the warrant emperature of	d at 20MHz of band tolerance, line regula IETHODS OF LED I nder low input voltag asured at first cold si a component that wi al equipment manufa meanwell.com//Uplo latest ErP regulation al life expectancy of > ty statement on MEA derating of 3.5°C/100	width by using a 12" tion and load regulat MODULE". les. Please refer to " lat. Turning ON/OFF II be operated in con acturers must re-qua ad/PDF/EMI_statem for lighting fixtures, *62,000 hours of ope N WELL's website a 0m with fanless mod	twisted pair-wire terr tion. STATIC CHARACTEI 5 the driver may lead nbination with final ec lify EMC Directive on ent_en.pdf) this LED driver can o eration when Tcase, p at http://www.meanwe dels and of 5°C/1000r	ninated with a 0.1uf & RISTIC" sections for of to increase of the set juipment. Since EMC the complete installa only be used behind a varticularly(t) point (c II.com m with fan models for	47uf parallel capacito details. t up time. performance will be at tion again. witch without perman or TMP, per DLC), is at	ffected by the nently pout 75° C or less.			
MC MC ITE IM AC 1. / 2. F 3. ⁻ 5. I 5. I 5. I 5. I 6. 1 7. ⁻ 6. ((8. ⁻ (LATION RESIS CEMISSION CEMISSION CEMISSION CEMINITY SF ENSION CEMISSION CEMI	C IMMUNITY BF ENSION KING All parameters NOT special Ripple & noise are measure Tolerance : includes set up Please refer to "DRIVING M De-rating may be needed u Length of set up time is me The driver is considered as complete installation, the fin as available on https://www fo fulfill requirements of the connected to the mains. This series meets the typica Please refer to the warran The ambient temperature of For any application note al https://www.meanwell.com	HSTAND VOLTAGE I/P-O/P:3.75KVAC LATION RESISTANCE I/P-O/P.I/P-FG, O// Compliance to BSE GB17625.1, EAC T Compliance to BSE Line-Line 2KV), EA SF 1185.9K hrs min. ENSION 262*125*43.8mm (L KING 2.8Kg;4pcs/12.2Kg// All parameters NOT specially mentioned are me Ripple & noise are measured at 20MHz of band Colerance : includes set up tolerance, line regula Please refer to "DRIVING METHODS OF LED I De-rating may be needed under low input voltag Length of set up time is measured at first cold st The driver is considered as a component that wit complete installation, the final equipment manufa as available on https://www.meanwell.com//Uplo This series meets the typical life expectancy of > Please refer to the warranty statement on MEA The ambient temperature derating of 3.5°C/100 For any application note and IP water proof fur https://www.meanwell.com/Upload/PDF/LED_E	HSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2KVAC LATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / S Compliance to BS EN/EN55015, BS EN GB17625.1, EAC TP TC 020;KC KN15, I Compliance to BS EN/EN61000-4-2, 3, 4 Line-Line 2KV), EAC TP TC 020;KC KN15, I Compliance to BS EN/EN61000-4-2, 3, 4 Line-Line 2KV), EAC TP TC 020;KC KN SF 1185.9K hrs min. Telcordia SR-332(Be ENSION 262*125*43.8mm (L*W*H) 2 KING 2.8Kg;4pcs/12.2Kg/0.55CUFT All parameters NOT specially mentioned are measured at 230VAC ir Ripple & noise are measured at 20MHz of bandwidth by using a 12" Tolerance : includes set up tolerance, line regulation and load regular Please refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to " Length of set up time is measured at first cold start. Turning ON/OFF The driver is considered as a component that will be operated in cor complete installation, the final equipment manufacturers must re-qua as available on https://www.meanwell.com//Upload/PDF/EMI_statem To fulfill requirements of the latest ErP regulation for lighting fixtures, sonnected to the mains. This series meets the typical life expectancy of >62,000 hours of ope Please refer t	HSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC LATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class GB17625.1, EAC TP TC 020;KC KN15,KN61547(except for / Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for / Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for / Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for / ENSION 262*125*43.8mm (L*W*H) EXING 2.8Kg;4pcs/12.2Kg/0.55CUFT All parameters NOT specially mentioned are measured at 230VAC input, rated current an Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terr Tolerance : includes set up tolerance, line regulation and load regulation. Please refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTEL Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead The driver is considered as a component that will be operated in combination with final eco complete installation, the final equipment manufacturers must re-qua	HSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC LATION RESISTANCE I/P-O/P;1.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC LATION RESISTANCE I/P-O/P;1.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC Compliance to BS EN/EN50015, BS EN/EN61000-3-2 Class C (@ load≥50%); f GB17625.1, EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J550 Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J SF 1185.9K hrs min. Telcordia SR-332(Bellcore); 95.4K hrs min. MIL-HDBK-217F ENSION 262*125*43.8mm (L*W*H) XKING 2.8Kg;4pcs/12.2Kg/0.55CUFT All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient te Riple & noise are measured at first cold start. Turning ON/OFF the driver may lead to increase of the set Chease refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for eas available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a connected to the mains. This series meets the typical life expec	HSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC LATION RESISTANCE I/P-O/P; I/P-FG, O/P-FG:1000 Ohms / 500VDC / 25°C / 70% RH Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@ load≥50%); BS EN/EN61000-3-3; GB17625.1, EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J55015(H29)(for Blank/A-1 Compliance to BS EN/EN61000-4-2; 3,4,5,6,8,11, BS EN/EN61547, light industry level (surge immunity Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J55015(H29)(for Blank/A-1 Compliance to BS EN/EN61000-4-2; 3,4,5,6,8,11, BS EN/EN61547, light industry level (surge immunity Line-Line 2KV), EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J55015(H29)(for Blank/A-1 RF 1185.9K hrs min. Teleordia SR-332(Bellcore); 95.4K hrs min. MIL-HDBK-217F (25°C) ENSION 262*125*43.8mm (L*W*H) KING 2.8Kg:4pcs/12.2Kg/0.55CUFT All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacito Complexence : includes set up tolerance, line regulation and load regulation. Please refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Length of set up time is measured at first cold start. Turning ON/OFF the			

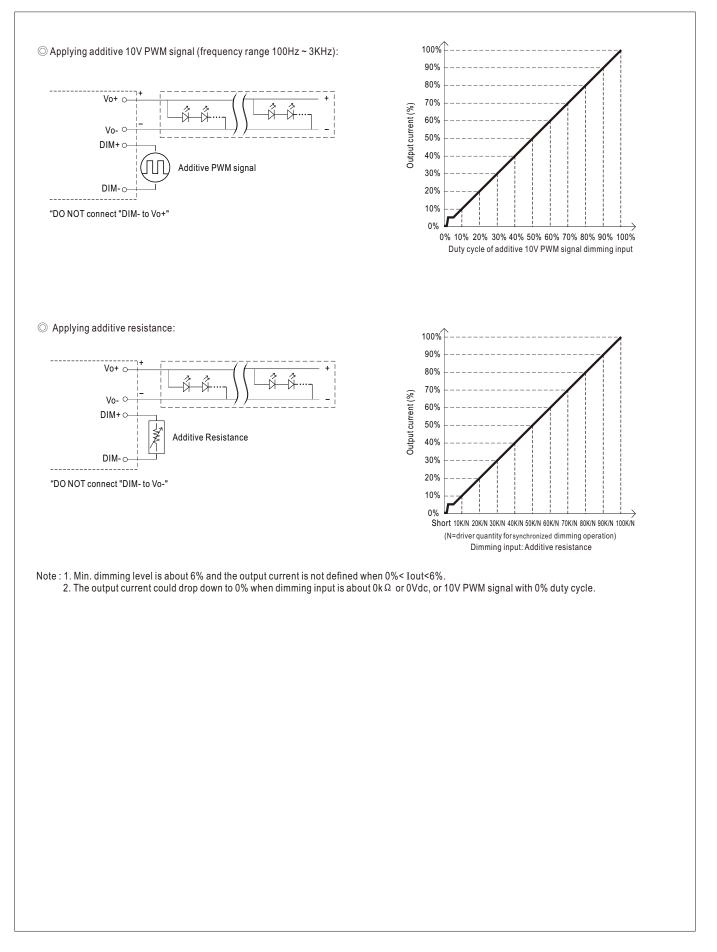










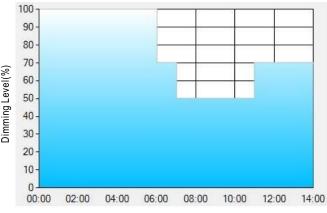




% Smart timer dimming function (for Dxx-Type by User definition)

Ex : O D01-Type: the profile recommended for residential lighting

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.



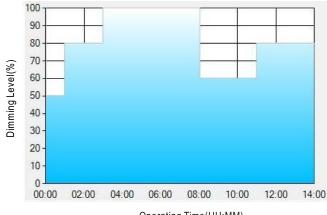
Set up for D01-Type in Smart timer dimming software program:

	T1	T2	Т3	Τ4
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	Τ4	Τ5
TIME**	01:00	03:00	8:00	11:00	
LEVEL**	50%	80%	100%	60%	80%

Operating Time(HH:MM)

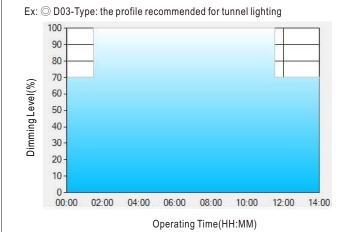
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

- 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:

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

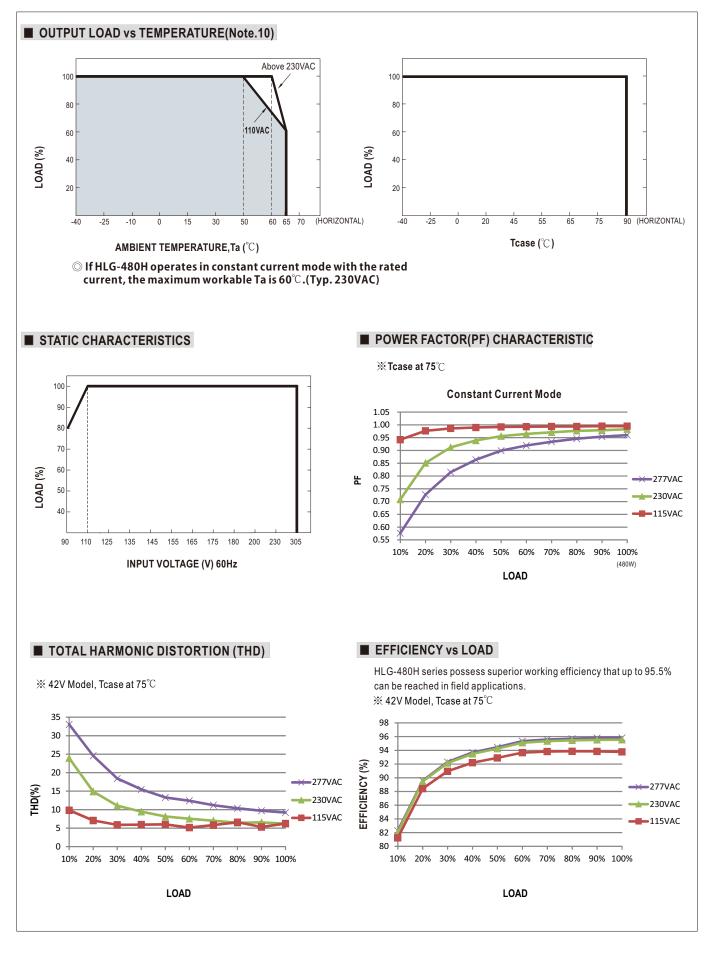
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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 5:00am, 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.

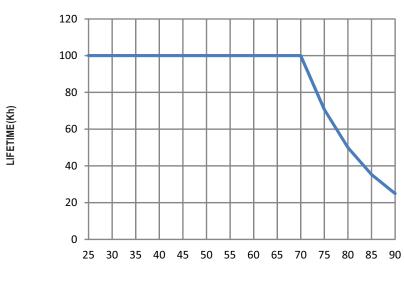






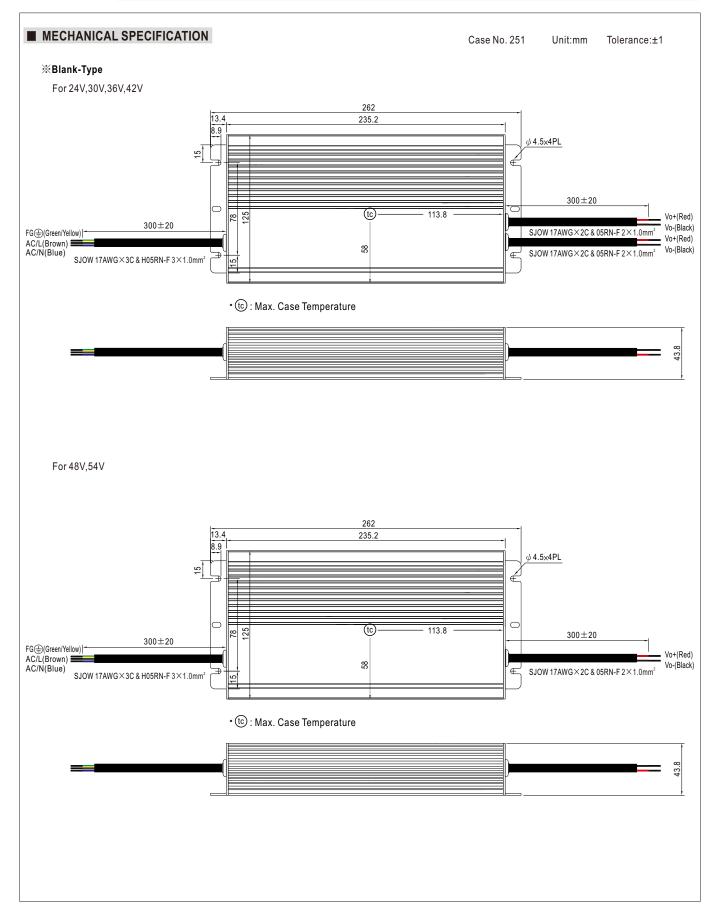
HLG-480H series

LIFE TIME

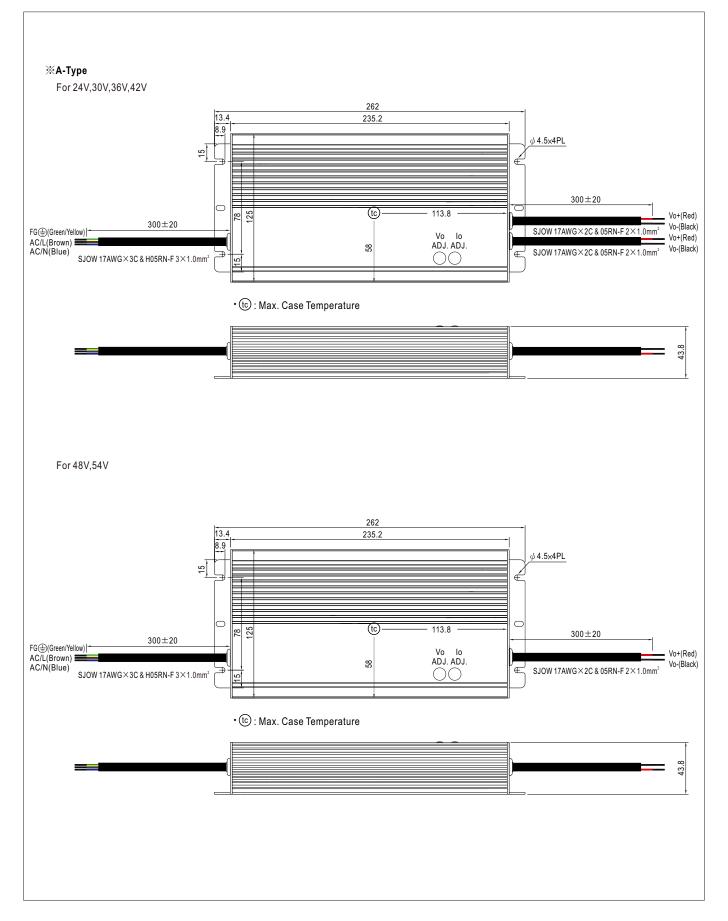


Tcase (°C)

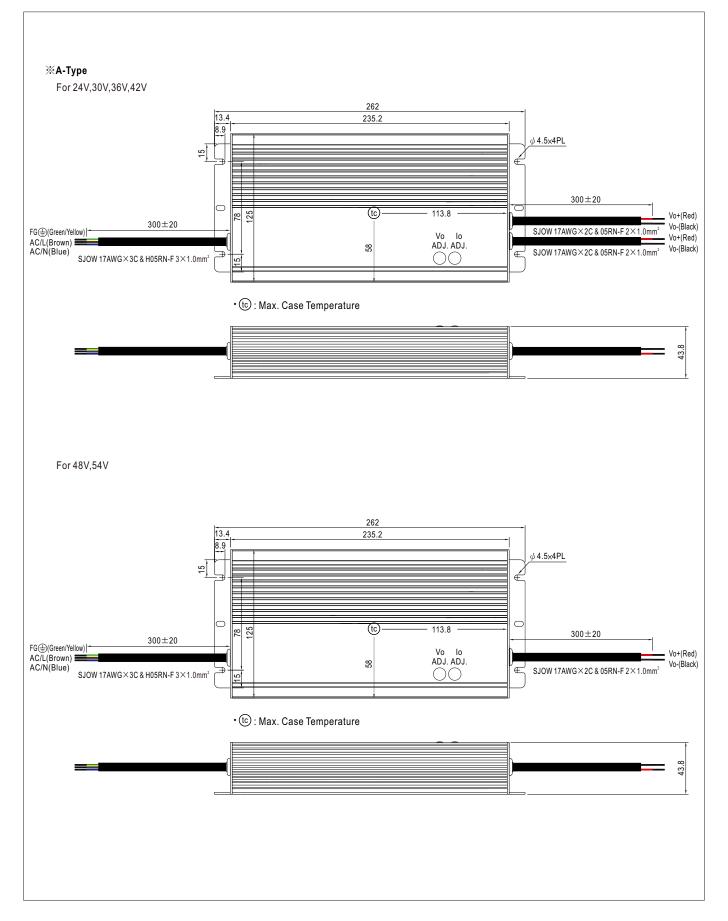




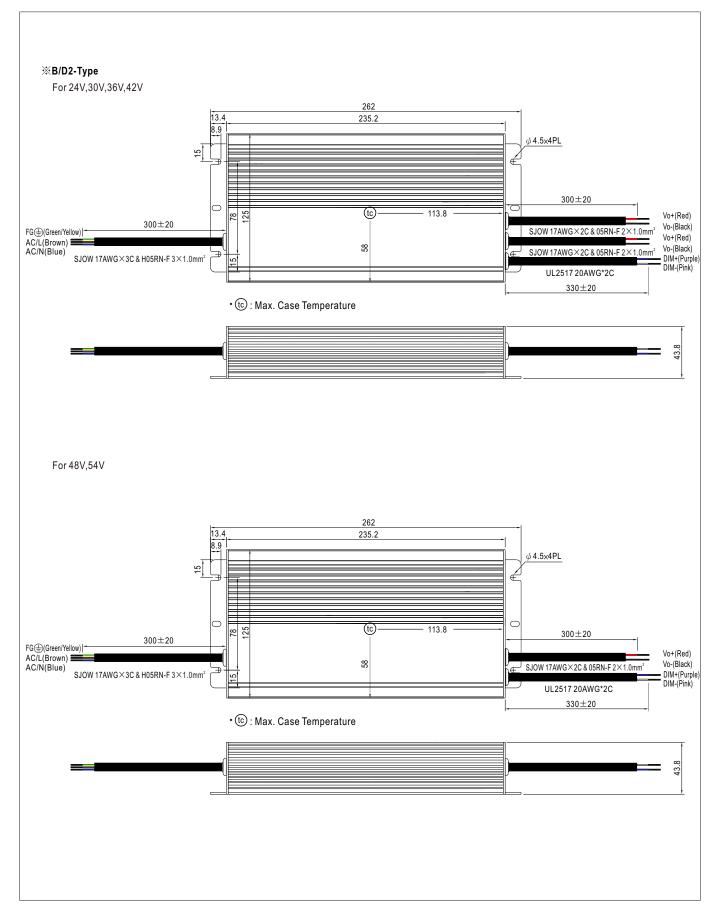








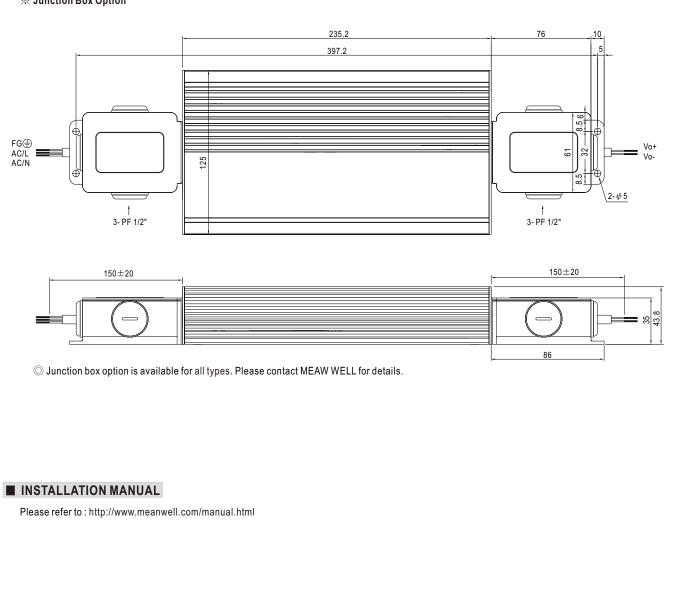






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