

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

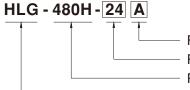
Features

- 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

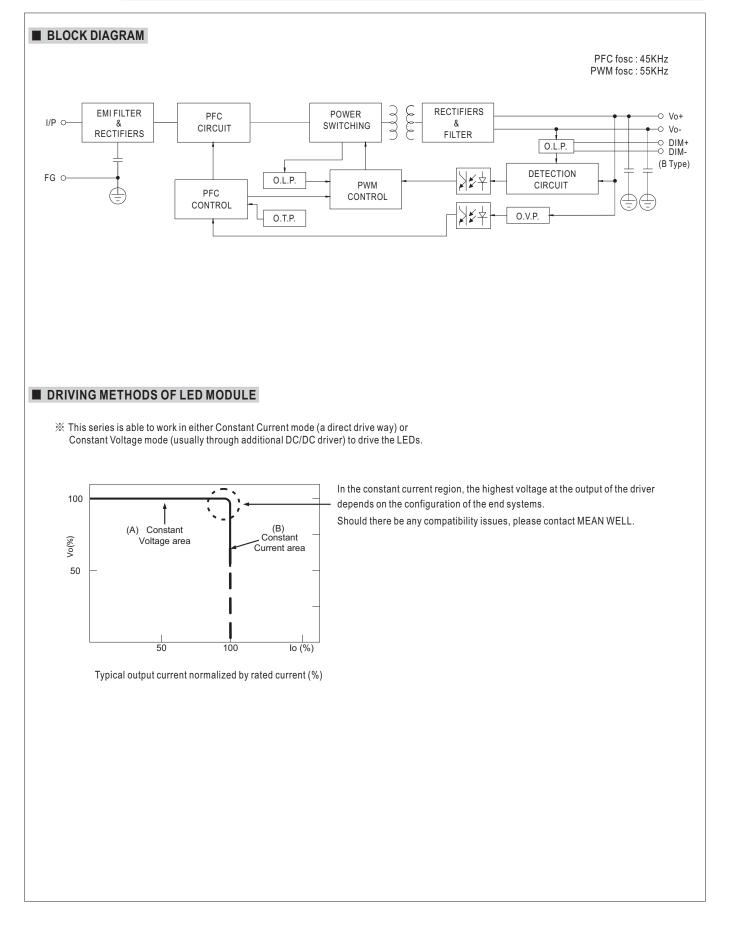
Туре	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (0~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 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



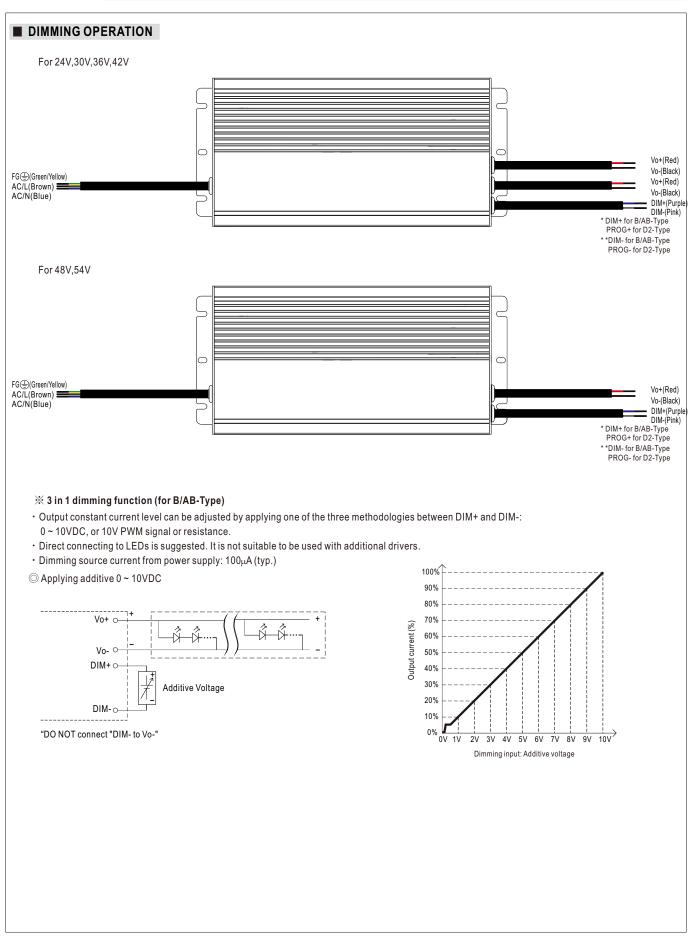
SPECIFICATION

DC VOLTAGE CONSTANT CURRENT RATED CURRENT RATED POWER RIPPLE & NOISE (VOLTAGE ADJ. R/ CURRENT ADJ. R VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAM POWER FACTOR TOTAL HARMONIC I EFFICIENCY	nax.) Note.2 NGE NCE Note.3 N N Note.6 p.) Note.5 GE Typ.)	20A 480W 200mVp-p Adjustable for A/AE 20.4 ~ 25.2V Adjustable for A/AE 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	25.5 \sim 31.5V Type only (via built- 8 \sim 16A \pm 1.0% \pm 0.5% \pm 0.5% AC/230VAC	30.6 ~ 37.8V	HLG-480H-42 42V 21~42V 11.4A 478.8W 250mVp-p 35.7~44.1V 5.7~11.4A ±1.0%	HLG-480H-48 48V 24 ~ 48V 10A 480W 250mVp-p 40.8 ~ 50.4V 5 ~ 10A	HLG-480H-54 54V 27 ~ 54V 8.9A 480.6W 350mVp-p 45.9 ~ 56.7V			
CONSTANT CURRENT RATED CURRENT RATED POWER RIPPLE & NOISE (VOLTAGE ADJ. RJ CURRENT ADJ. R VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO COAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAM POWER FACTOR TOTAL HARMONIC I EFFICIENCY	nax.) Note.2 NGE NCE Note.3 N N Note.6 p.) Note.5 GE Typ.)	12 ~ 24V 20A 480W 200mVp-p Adjustable for A/AE 20.4 ~ 25.2V Adjustable for A/AE 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	$\begin{array}{c} 15 \sim 30 V \\ 16A \\ 480 W \\ 200 m V p - p \\ 3 \ Type \ only \ (via \ built- \\ 25.5 \sim 31.5 V \\ 3 \ Type \ only \ (via \ built- \\ 8 \sim 16A \\ \pm 1.0\% \\ \pm 0.5\% \\ \pm 0.5\% \\ \hline XC/230 VAC \end{array}$	18 ~ 36V 13.3A 478.8W 250mVp-p in potentiometer) 30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	21~42V 11.4A 478.8W 250mVp-p 35.7~44.1V 5.7~11.4A ±1.0%	24 ~ 48V 10A 480W 250mVp-p 40.8 ~ 50.4V	27 ~ 54V 8.9A 480.6W 350mVp-p			
RATED CURRENT RATED POWER RIPPLE & NOISE (VOLTAGE ADJ. R/ CURRENT ADJ. R VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAM POWER FACTOR FOTAL HARMONIC I EFFICIENCY	nax.) Note.2 NGE NCE Note.3 N N Note.6 p.) Note.5 GE Typ.)	20A 480W 200mVp-p Adjustable for A/AE 20.4 ~ 25.2V Adjustable for A/AE 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	16A 480W 200mVp-p Type only (via built- 25.5 ~ 31.5V Type only (via built- 8 ~ 16A ±1.0% ±0.5% ±0.5% ×C/230VAC	13.3A 478.8W 250mVp-p in potentiometer) 30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	11.4A 478.8W 250mVp-p 35.7 ~ 44.1V 5.7 ~ 11.4A ±1.0%	10A 480W 250mVp-p 40.8 ~ 50.4V	8.9A 480.6W 350mVp-p			
RATED POWER RIPPLE & NOISE (VOLTAGE ADJ. R/ CURRENT ADJ. R VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAM POWER FACTOR TOTAL HARMONIC I EFFICIENCY	NGE NGE NOTE.3 NOTE.6 NOTE.6 P.) NOTE.5 GE Typ.)	480W 200mVp-p Adjustable for A/AE 20.4 ~ 25.2V Adjustable for A/AE 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	480W 200mVp-p Type only (via built- 25.5 ~ 31.5V Type only (via built- 8 ~ 16A ±1.0% ±0.5% ±0.5% ×C/230VAC	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%	480W 250mVp-p 40.8 ~ 50.4V	480.6W 350mVp-p			
RIPPLE & NOISE (VOLTAGE ADJ. RJ CURRENT ADJ. R VOLTAGE TOLERJ LINE REGULATIO LOAD REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAM POWER FACTOR TOTAL HARMONIC	NGE NGE NOTE.3 NOTE.6 NOTE.6 P.) NOTE.5 GE Typ.)	200mVp-p Adjustable for A/AE 20.4 ~ 25.2V Adjustable for A/AE 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V 16ms 115VAC/22 90 ~ 305VAC (Please refer to "ST	200mVp-p Type only (via built- 25.5 ~ $31.5V$ Type only (via built- 8 ~ 16A $\pm 1.0\%$ $\pm 0.5\%$ $\pm 0.5\%$ AC/230VAC	250mVp-p in potentiometer) 30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	250mVp-p 35.7 ~ 44.1V 5.7 ~ 11.4A ±1.0%	250mVp-p 40.8 ~ 50.4V	350mVp-p			
VOLTAGE ADJ. R CURRENT ADJ. R VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAM POWER FACTOR TOTAL HARMONIC	NGE NGE NOTE.3 NOTE.6 NOTE.6 P.) NOTE.5 GE Typ.)	Adjustable for A/AE 20.4 ~ 25.2V Adjustable for A/AE 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	3 Type only (via built- 25.5 ~ 31.5V 3 Type only (via built- 8 ~ 16A ±1.0% ±0.5% ±0.5% AC/230VAC	in potentiometer) 30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	35.7 ~ 44.1V 5.7 ~ 11.4A ±1.0%	40.8 ~ 50.4V				
CURRENT ADJ. R VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAM POWER FACTOR TOTAL HARMONIC	ANGE NCE Note.3 N NN Note.6 P.) Note.5 GE Typ.)	20.4 ~ 25.2V Adjustable for A/AB 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	25.5 \sim 31.5V Type only (via built- 8 \sim 16A \pm 1.0% \pm 0.5% \pm 0.5% AC/230VAC	30.6 ~ 37.8V in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	5.7~11.4A ±1.0%		45.9 ~ 56.7V			
VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAN POWER FACTOR TOTAL HARMONIC I EFFICIENCY	NCE Note.3 N N Note.6 P.) Note.5 GE Typ.)	Adjustable for A/AB 10 ~ 20A ± 1.0% ± 0.5% ± 0.5% 5 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	3 Type only (via built- 8 ~ 16A ±1.0% ±0.5% ±0.5% AC/230VAC	in potentiometer) 6.6 ~ 13.3A ±1.0% ±0.5%	5.7~11.4A ±1.0%		45.9 ~ 56.7V			
VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAN POWER FACTOR TOTAL HARMONIC I EFFICIENCY	NCE Note.3 N N Note.6 P.) Note.5 GE Typ.)	10 ~ 20A ±1.0% ±0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	8~16A ±1.0% ±0.5% ±0.5% AC/230VAC	6.6~13.3A ±1.0% ±0.5%	±1.0%	5~10A				
VOLTAGE TOLER/ LINE REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAN POWER FACTOR TOTAL HARMONIC I EFFICIENCY	NCE Note.3 N N Note.6 P.) Note.5 GE Typ.)	±1.0% ±0.5% ±0.5% 500ms, 80ms 115V 16ms 115VAC/2 90 ~ 305VAC (Please refer to "ST	±1.0% ±0.5% ±0.5% AC/230VAC	±1.0% ±0.5%	±1.0%	5~10A				
LINE REGULATIO LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAN POWER FACTOR FOTAL HARMONIC I EFFICIENCY	N Note.6 p.) Note.5 GE Typ.)	±0.5% ±0.5% 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	±0.5% ±0.5% AC/230VAC	±0.5%			4.4~8.9A			
LOAD REGULATIO SETUP, RISE TIME HOLD UP TIME (T) VOLTAGE RANGE FREQUENCY RAN POWER FACTOR FOTAL HARMONIC EFFICIENCY	Note.6 p.) Note.5 GE Typ.)	±0.5% 5 500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	±0.5% AC/230VAC		1.0.5%	±1.0%	±1.0%			
SETUP, RISE TIME HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAN POWER FACTOR FOTAL HARMONIC EFFICIENCY	Note.6 p.) Note.5 GE Typ.)	500ms, 80ms 115V 16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST	AC/230VAC	±0.5%	±0.5%	±0.5%	±0.5%			
HOLD UP TIME (T VOLTAGE RANGE FREQUENCY RAN POWER FACTOR FOTAL HARMONIC I EFFICIENCY	p.) Note.5 GE Typ.)	16ms 115VAC/23 90 ~ 305VAC (Please refer to "ST			±0.5%	±0.5%	±0.5%			
VOLTAGE RANGE FREQUENCY RAN POWER FACTOR FOTAL HARMONIC	Note.5 GE Typ.)	90 ~ 305VAC (Please refer to "ST	30VAC							
VOLTAGE RANGE FREQUENCY RAN POWER FACTOR FOTAL HARMONIC	Note.5 GE Typ.)	(Please refer to "ST		16ms 115VAC/230VAC						
FREQUENCY RAN POWER FACTOR TOTAL HARMONIC EFFICIENCY	GE Typ.)	(Please refer to "ST								
POWER FACTOR TOTAL HARMONIC	Тур.)		(Please refer to "STATIC CHARACTERISTIC" section)							
POWER FACTOR TOTAL HARMONIC	Тур.)	47 ~ 63Hz								
TOTAL HARMONIC										
EFFICIENCY	ISTORTION	$PF \ge 0.98/115VAC, PF \ge 0.97/230VAC, PF \ge 0.95/277VAC @ full load$								
EFFICIENCY	ISTORTION	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
		THD< 20% (@ load≧40% / 115VAC,230VAC,277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)								
				. ,	,					
(Ivn)	230VAC	94%	94.5%	95%	95%	94.5%	95%			
(Тур.)	277VAC	94.5%	95%	95.5%	95.5%	95%	95%			
AC CURRENT (Ty	o.)			A / 277VAC						
INRUSH CURRENT(Typ.)		COLD START 35A(twidth=1800µs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
LEAKAGE CURRENT		<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								
OVER CURRENT		95 ~ 108% Constant current limiting, recovers automatically after fault condition is removed								
		Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed								
SHORT CIRCUIT						50 001/	00 701/			
OVER VOLTAGE		27 ~ 33V	33 ~ 40V	40 ~ 50V	46 ~ 55V	53 ~ 63V	60 ~ 70V			
		Shut down output voltage, re-power on to recovery								
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 ~ 95% RH non-condensing								
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)(for Blank/A-type) approved								
WITHSTAND VOLTAGE		I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC								
SOLATION RESIS		I/P-O/P.3./5KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC I/P-O/P, I/P-FG. O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH								
SOLATION RESIS	ANOL	/P-O/P, //P-FG, O/P-FG:100M Onms / 500VDC / 25 C / 70% RH Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@ load≧50%) ; BS EN/EN61000-3-3;GB17743, GB17625.1								
EMC EMISSION		EAC TP TC 020;KC KN15,KN61547(except for AB,Dx,D2-type),J55015(H29)(for Blank/A-type)								
EMC IMMUNITY		Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level (surge immunity Line-Earth 4KV, 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(Bellcore); 95.4K hrs min. MIL-HDBK-217F (25℃)								
DIMENSION		262*125*43.8mm (L*W*H)								
	PACKING		2.8Kg;4pcs/12.2Kg/0.55CUFT							
	are measure udes set up "DRIVING N pe needed u	eed at 20MHz of band to tolerance, line regul METHODS OF LED under low input voltage easured at first cold s is a component that with nal equipment manufied tal life expectancy of thy statement on ME/	dwidth by using a 12" ation and load regulat MODULE". ges. Please refer to "S start. Turning ON/OFF rill be operated in com facturers must re-quali n for lighting fixtures, 1 >62,000 hours of ope AN WELL's website at 00m with fanless moo	twisted pair-wire term ion. STATIC CHARACTE the driver may lead ibination with final eq ify EMC Directive on this LED driver can c ration when Tcase, p t http://www.meanwe lels and of 5°C/1000	RISTIC" sections for d to increase of the set quipment. Since EMC the complete installati only be used behind a particularly(t) point (o ell.com m with fan models for	47uf parallel capacito details. up time. performance will be at ion again. switch without perman or TMP, per DLC), is at operating altitude high	ffected by the nently bout 75°C or less.			
	Il parameters lipple & noise olerance : incl lease refer to le-rating may b	Il parameters NOT specia lipple & noise are measur olerance : includes set up lease refer to "DRIVING I re-rating may be needed u ength of set up time is me he driver is considered as complete installation, the fil o fulfill requirements of the connected to the mains. his series meets the typic Please refer to the warrar	Il parameters NOT specially mentioned are mi ipple & noise are measured at 20MHz of bank olerance : includes set up tolerance, line regul lease refer to "DRIVING METHODS OF LED lerating may be needed under low input volta; ength of set up time is measured at first cold se he driver is considered as a component that w omplete installation, the final equipment manuf o fulfill requirements of the latest ErP regulation connected to the mains. his series meets the typical life expectancy of Please refer to the warranty statement on ME/ The ambient temperature derating of 3.5°C/10	II parameters NOT specially mentioned are measured at 230VAC in ipple & noise are measured at 20MHz of bandwidth by using a 12" olerance : includes set up tolerance, line regulation and load regulat lease refer to "DRIVING METHODS OF LED MODULE". le-rating may be needed under low input voltages. Please refer to "5 ength of set up time is measured at first cold start. Turning ON/OFF he driver is considered as a component that will be operated in com omplete installation, the final equipment manufacturers must re-qual o fulfill requirements of the latest ErP regulation for lighting fixtures, connected to the mains. his series meets the typical life expectancy of >62,000 hours of ope Please refer to the warranty statement on MEAN WELL's website a The ambient temperature derating of 3.5°C/1000m with fanless mod	II parameters NOT specially mentioned are measured at 230VAC input, rated current an ipple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire term olerance : includes set up tolerance, line regulation and load regulation. lease refer to "DRIVING METHODS OF LED MODULE". e-rating may be needed under low input voltages. Please refer to "STATIC CHARACTE ength of set up time is measured at first cold start. Turning ON/OFF the driver may lead he driver is considered as a component that will be operated in combination with final equipopelet installation, the final equipment manufacturers must re-qualify EMC Directive on o fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can be connected to the mains. his series meets the typical life expectancy of >62,000 hours of operation when Tcase, p Please refer to the warranty statement on MEAN WELL's website at http://www.meanwe The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000	Il parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient ter ipple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & olerance : includes set up tolerance, line regulation and load regulation. lease refer to "DRIVING METHODS OF LED MODULE". le-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for c ength of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set he driver is considered as a component that will be operated in combination with final equipment. Since EMC omplete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installati o fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a connected to the mains. his series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly to point (or Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for	Il parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. lipple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacito olerance : includes set up tolerance, line regulation and load regulation. lease refer to "DRIVING METHODS OF LED MODULE". te-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. ength of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. he driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be all omplete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. o fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permation connected to the mains. his series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is all the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is all the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is all the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is all the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is all the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is all the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), the typical life expectancy of >62,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), the typical life expectancy of >62,000 hours of oper			

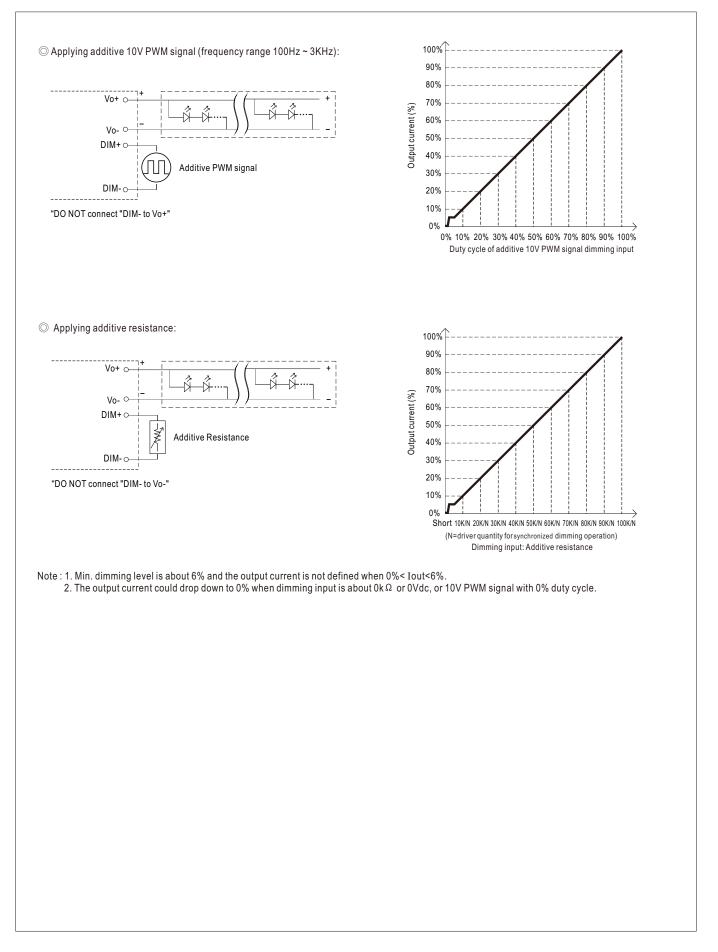










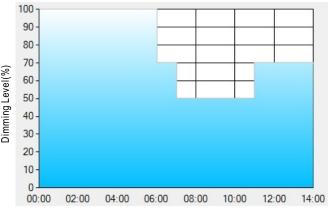




% Smart timer dimming function (for Dxx-Type by User definition)

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.



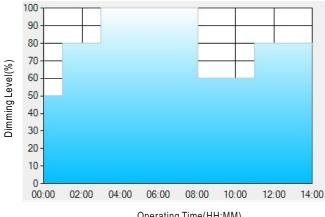
Set up for D01-Type in Smart timer dimming software program:

	T1	T2	Т3	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	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.

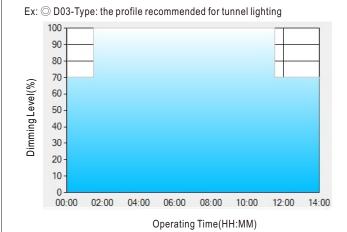
[2] The power supply will switch to the constant current level at 80% in turn, starting from 6:00pm, which is 01:00 after the power supply turns on.

[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:

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

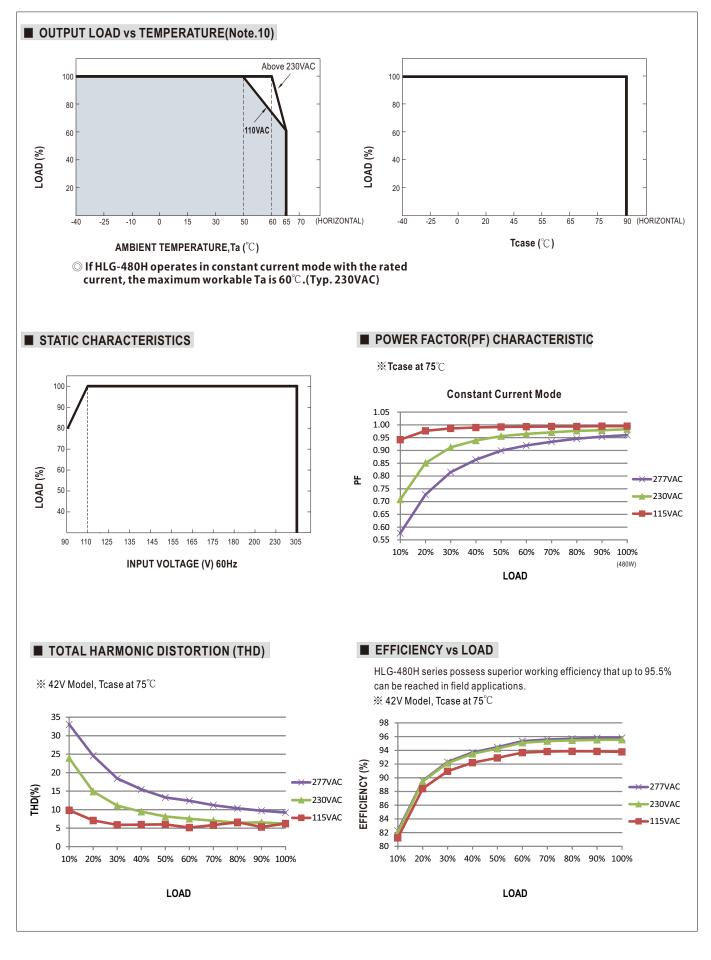
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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.

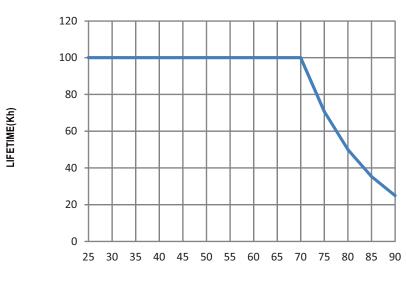






HLG-480H series

■ LIFE TIME



Tcase (°C)



