

Наличие и актуальные цены на

HLG-480H-C2100B

https://www.mean-well.ru/store/HLG-480H-C2100B/



HLG-480H-C series







Features

- · Constant Current mode output
- · Metal housing with Class I design
- · Built-in active PFC function
- · Environment-adaptive driving capability
- · 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; Low temperature light-on; Junction box
- Typical lifetime>62000 hours (Note.7)
- 7 years warranty

Description

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

HLG-480H-C series is a 480W LED AC/DC driver featuring the constant current mode and high voltage output. HLG-480H-C operates from 90~305VAC and offers models with different rated current ranging between 1400mA and 3500mA. Thanks to the high efficiency up to 95%, 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. Moreover, the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. HLG-480H-C is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding HLG - 480H - C1400 A Function options Rated output current(1400/1750/2100/2800/3500mA) High input voltage up to 305VAC Rated wattage Series name

Туре	IP Level	Function	Note
A	IP65	Io adjustable through built-in potentiometer. And environment adaptiveness.	In Stock
В	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance) and environment adaptiveness.	In Stock
AB	IP65	Io 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. And environment adaptiveness.	By request
D2	IP67	Built-in Smart timer dimming and programmable function. And environment adaptiveness.	In Stock

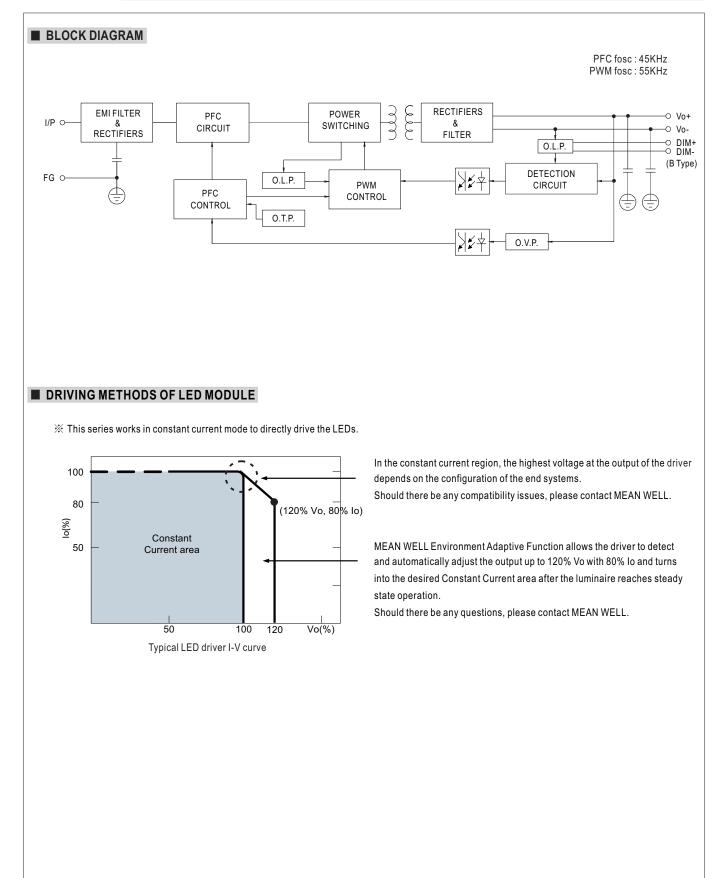
File Name:HLG-480H-C-SPEC 2024-10-11



SPECIFICATION

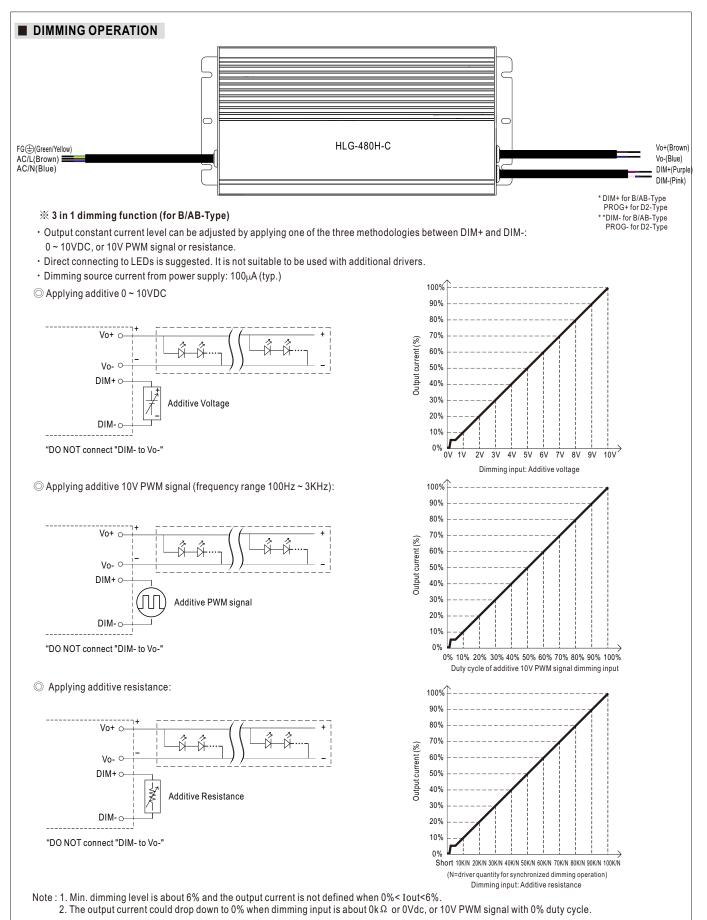
MODEL		HLG-480H-C1400	HLG-480H-C1750	HLG-480H-C2100	HLG-480H-C2800	HLG-480H-C3500		
	RATED CURRENT	1400mA	1750mA	2100mA	2800mA	3500mA		
OUTPUT	RATED POWER	480W	480W	481W	479W	480W		
	CONSTANT CURRENT REGION Note.2	171 ~ 343V	137~274V	114 ~ 229V	85~171V	68 ~ 137V		
	OPEN CIRCUIT VOLTAGE (max.)		340V	280V	210V	170V		
		Adjustable for A/AB-Type only (via built-in potentiometer)						
	CURRENT ADJ. RANGE	700~1400mA	875~1750mA	1050~2100mA	1400~2800mA	1750~3500mA		
	CURRENT RIPPLE	5.0% max. @rated current						
	CURRENT TOLERANCE	±5%						
	SET UP TIME Note.4	500ms/115VAC,230VAC						
	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	$\label{eq:PF} \begin{split} PF &\geq 0.98/115 VAC, PF &\geq 0.97/230 VAC, PF &\geq 0.95/277 VAC @ full \ load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) \end{split}$						
INPUT	TOTAL HARMONIC DISTORTION	THD< 20% (@ load≧40% /115VAC, 230VAC, 277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)						
	EFFICIENCY (Typ.)	95%	95%	95%	95%	95%		
	AC CURRENT (Typ.)	5A / 115VAC 2.45A	/ 230VAC 2A / 277V	AC				
	INRUSH CURRENT(Typ.)	COLD START 35A(twidth=	1800µs measured at 50%	Ipeak) at 230VAC; Per NEN	IA 410			
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 3 units(circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA/277VAC						
	SHORT CIRCUIT	Constant current, recove	rs automatically after fau	It condition is removed				
		432 ~ 473V	345 ~ 382V	289 ~ 322V	215~246V	173 ~ 197V		
PROTECTION	OVER VOLTAGE	Shut down output voltage, re-power on to recovery						
	OVER TEMPERATURE	Shut down output voltage		•				
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+90°C						
ENVIRONMENT	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 inde GB19510.14, GB19510.1; IP65 or IP67, EAC TP TC 004, AS / NZS IEC 61347.2.13; 2013, AS / NZS							
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH						
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load≧50%); BS EN/EN61000-3-3; GB/T 17743, GB17625.1, EAC TP TC 020						
	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						
	MTBF	1350.9K hrs min. Telcordia SR-332(Bellcore) ; 110.5K hrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	262*125*43.8mm (L*W*H	H)					
	PACKING	2.8Kg;4pcs/12.2Kg/0.550	CUFT					
NOTE	 All parameters NOT special 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 To fulfill requirements of the connected to the mains. This series meets the typica Please refer to the warranty The ambient temperature do For any application note an https://www.meanwell.com 	ETHODS OF LED MOD nder low input voltages. F asured at first cold start. 1 a component that will be al equipment manufacture meanwell.com//Upload/P latest ErP regulation for I at life expectancy of >62,0 statement on MEAN WE erating of 3.5°C/1000m w and IP water proof function	ULE". Please refer to "STATIC (Furning ON/OFF the pow operated in combination ers must re-qualify EMC PDF/EMI_statement_en.p. ighting fixtures, this LED 00 hours of operation will CLL's website at http://ww ith fanless models and on installation caution, plead if	CHARACTERISTIC" sect ver supply may lead to inv with final equipment. Sin Directive on the complete df) driver can only be used in the Tcase, particularly (to ww.meanwell.com f 5°C/1000m with fan mo use refer our user manual	ons for details. crease of the set up time. ce EMC performance will e installation again. behind a switch without pe point (or TMP, per DLC), dels for operating altitude	ermanently is about 75°C or less.		







480W Constant Current Mode LED Driver

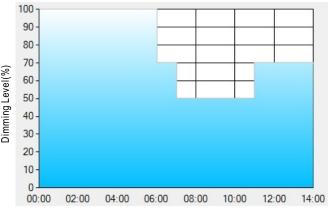




% Smart timer dimming function (for Dxx-Type by User definition)

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.



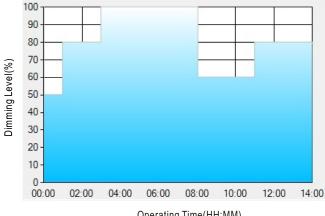
Set up for D01-Type in Smart timer dimming software program:

	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	T4	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:

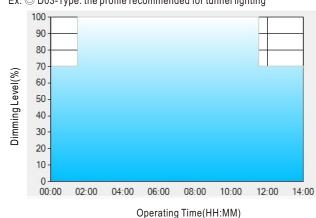
[1] The power supply will switch to the constant current level at 50% starting from 5:00pm.

[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.





Ex: O D03-Type: the profile recommended for tunnel lighting

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

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

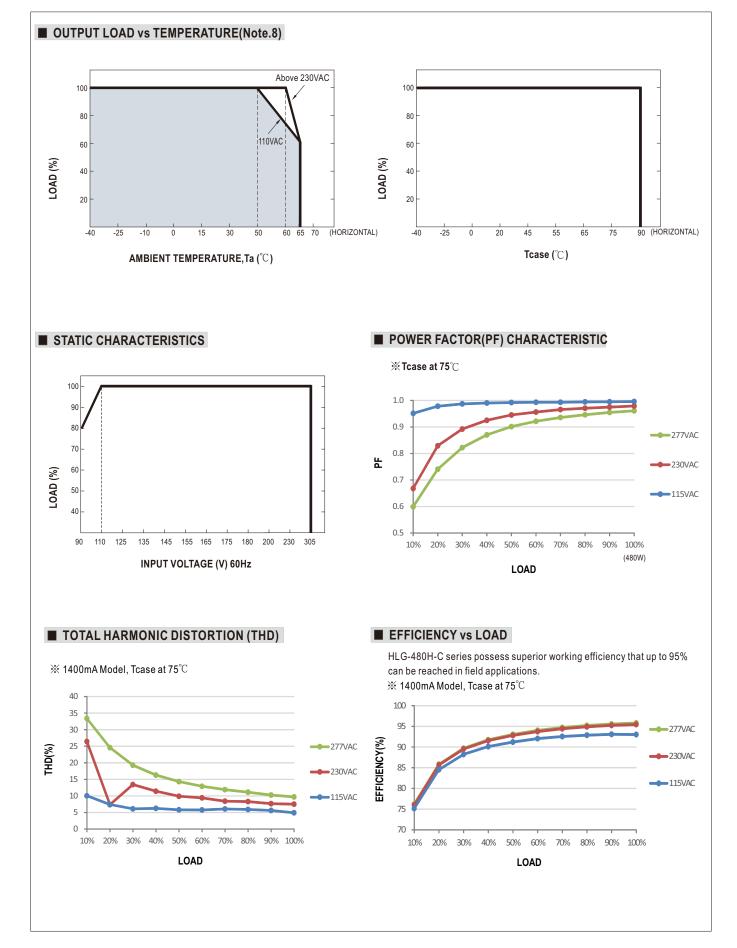
**: TIME matches Operating Time in the diagram whereas LEVEL matches Dimming Level.

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.

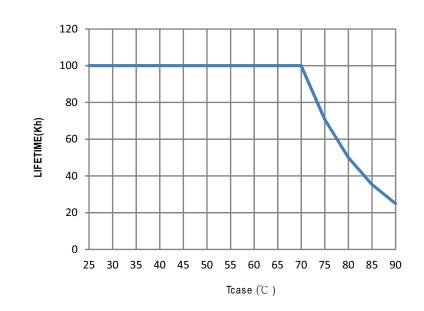
[2] The power supply will switch to the constant current level at 100% in turn, starting from 6:00pm, which is 01:30 after the power supply turns on. [3] The power supply will switch to the constant current level at 70% in turn, starting from 5:00am, which is 11:00 after the power supply turns on. The constant current level remains till 6:30am, which is 14:00 after the power supply turns on.





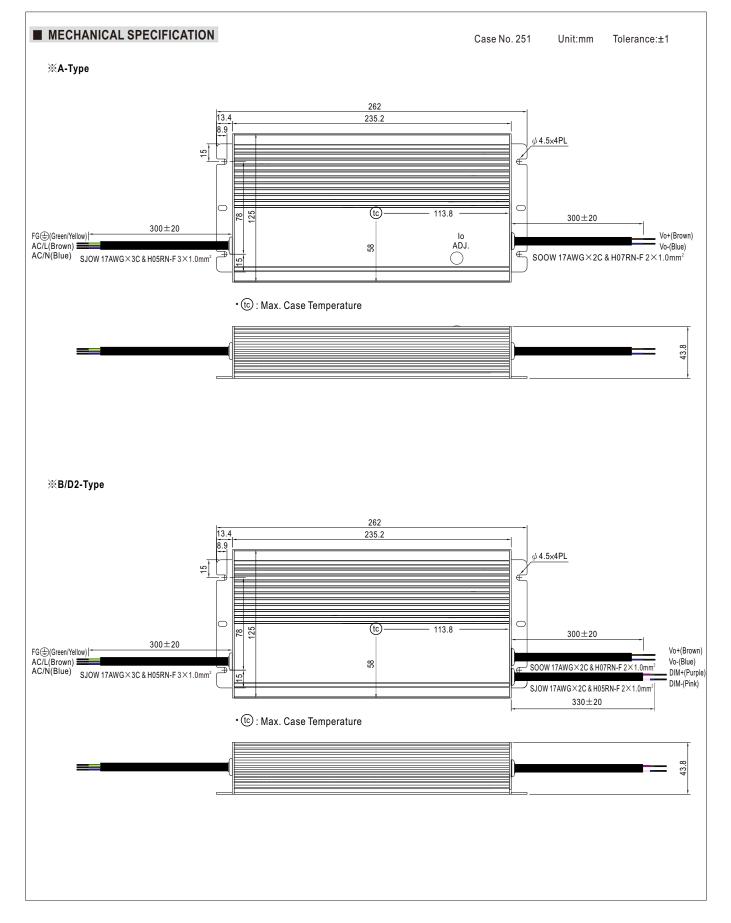


LIFE TIME



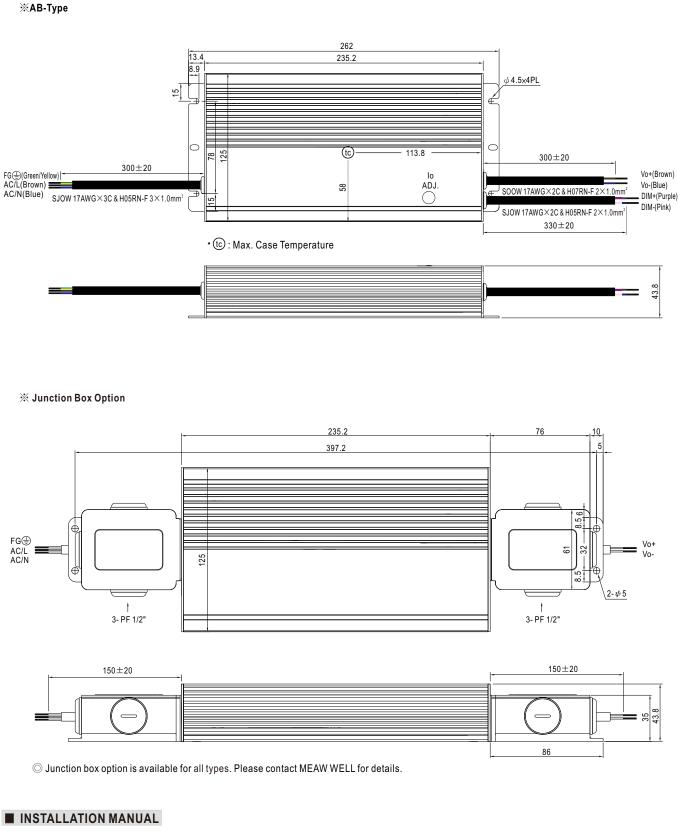


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Please refer to : http://www.meanwell.com/manual.html