



Features

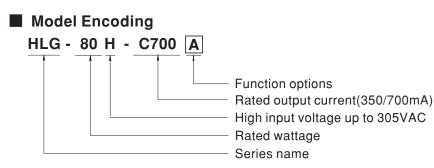
- Constant Current mode output
- · Metal housing with Class I design
- · Built-in active PFC function
- · IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime>62000 hours
- 7 years warranty

Description

Applications

- · LED street lighting
- · LED fishing lamp
- · LED harbor lighting
- LED building architectural lighting
- LED greenhouse lighting
- LED bay lighting

HLG-80H-C series is a 90W AC/DC LED driver featuring the constant current mode and high voltage output. HLG-80H-C operates from 90~305VAC and offers models with different rated current ranging between 350mA and 700mA. Thanks to the high efficiency up to 91.5%, with the fanless design, the entire series is able to operate for -40° C ~ $+80^{\circ}$ 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-80H-C is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



Туре	IP Level	Function	Note
A	IP65	lo 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 adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

File Name:HLG-80H-C-SPEC 2019-10-15

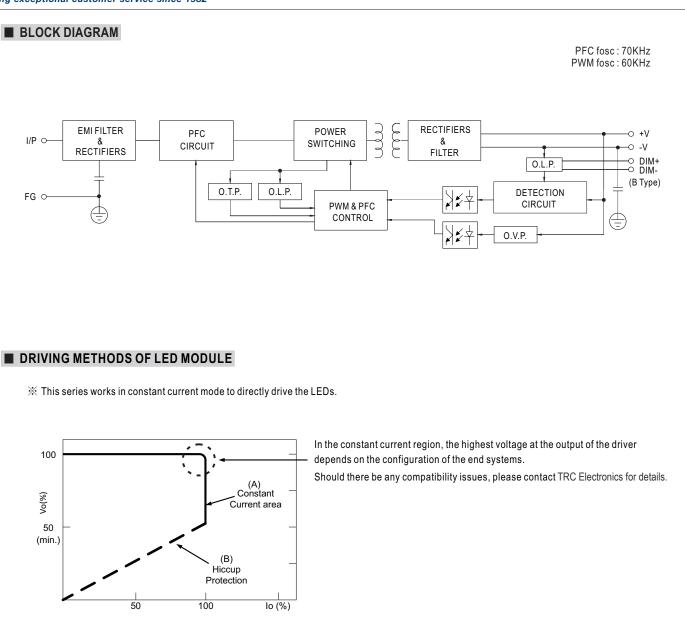
TRC ELECTRONICS, INC. 1.888.612.9514



SPECIFICATION

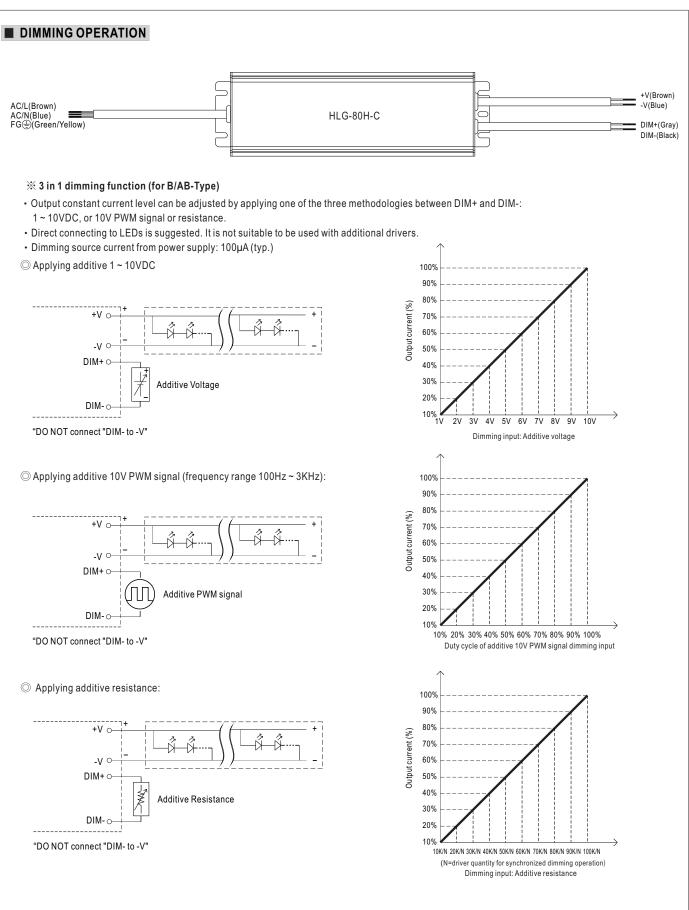
MODEL		HLG-80H-C350	HLG-80H-C700	
RATED CURRENT		350mA	700mA	
-	RATED POWER	89.95W	90.3W	
	CONSTANT CURRENT REGION Note.2	A-Type : 128V ~ 257V B-Type : 167V ~ 257V	A-Type : 64V ~ 129V B-Type : 84V ~ 129V	
		Adjustable for A/AB-Type only (via built-in potentiometer)		
OUTPUT	CURRENT ADJ. RANGE	210 ~ 350mA	420 ~ 700mA	
	CURRENT RIPPLE	8.0% max. @rated current		
	CURRENT TOLERANCE	±5%		
	SET UP TIME Note.4			
		90 ~ 305VAC 127 ~ 431VDC		
	VOLTAGE RANGE Note.3			
	FREQUENCY RANGE	47 ~ 63Hz		
		PF ≥ 0.98/115VAC, PF ≥ 0.96/230VAC, PF ≥ 0.94/277VAC @full load		
	POWER FACTOR (Typ.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)		
	TOTAL HARMONIC DISTORTION	THD<20% (@ load \geq 60% /115VAC, 230VAC; @ load \geq 75%/277VAC)		
INPUT		(Please refer to "TOTAL HARMONIC DISTORTION (THD)" sec	tion)	
	EFFICIENCY (Typ.)	91.5%	91.5%	
-	AC CURRENT (Typ.)	0.88A / 115VAC 0.45A / 230VAC 0.38A / 277VAC		
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=410, us measured at 50% Ipeak) at 230VAC	; Per NEMA 410	
	MAX. No. of PSUs on 16A	4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC		
	CIRCUIT BREAKER			
	LEAKAGE CURRENT	<0.75mA / 277VAC		
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is remo		
PROTECTION	OVER VOLTAGE	300 ~ 340V	150 ~ 170V	
		Shut down o/p voltage with auto-recovery or re-power on to recov	very	
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover		
	WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)		
ENVIRONMENT	MAX. CASE TEMP.	Tcase=+80°℃		
	WORKING HUMIDITY	10 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +80 °C , 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes		
	SAFETY STANDARDS Note.6	UI8750, CSA C22.2 No. 250.0-08, EN/AS/NZS 61347-1,EN/AS/NZS 61347-2-13 independent,GB19510.1,GB19510.14, EAC TP TC 004,IP65 or IP67 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC		
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		
EMC	EMC EMISSION Note.6	Compliance to EN55015, EN61000-3-2 Class C (@ load \geq 50%	6) ; EN61000-3-3,GB17743 and GB17625.1, EAC TP TC 020	
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, heavy industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020		
OTHERS	MTBF	861.8K hrs min. Telcordia SR-332 (Bellcore); 309.7K hrs r	nin. MIL-HDBK-217F (25°C)	
	DIMENSION	195.6*61.5*38.8 mm (L*W*H)		
	PACKING	0.84Kg; 16pcs/14.4Kg/0.54CUFT		
NOTE	2. Please refer to "DRIVING M	ly mentioned are measured at 230VAC input, rated current and IETHODS OF LED MODULE". nder low input voltages. Please refer to "STATIC CHARACTERI		
	 Length of set up time is me The driver is considered as complete installation, the fin To fulfill requirements of the connected to the mains. 	a life expectancy of >62,000 hours of operation when Tcase, particularly (to) point (or TMP, per DLC), is about 70°C or less.		
	 Please refer to the warranty statement on MEAN WELL's website 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). For any application note and IP water proof function installation caution, please refer our user manual before using. 			





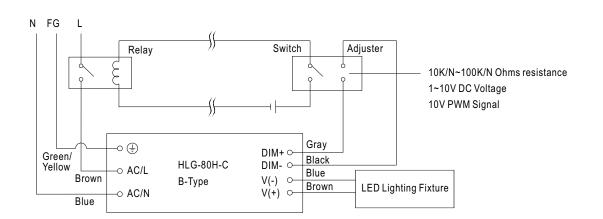
Typical output current normalized by rated current (%)







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



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



