







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 bay lighting

GTIN CODE

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

HLG-185H-C series is a 200W AC/DC LED power supply featuring the constant current mode and high voltage output. HLG-185H-C operates from 90~305VAC and offers models with different rated current ranging between 500mA and 1400mA. Thanks to the high efficiency up to 94%, 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-185H-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 - 185H - C700 A Function options Rated output current(500/700/1050/1400mA) High input voltage up to 305VAC Rated wattage Series name

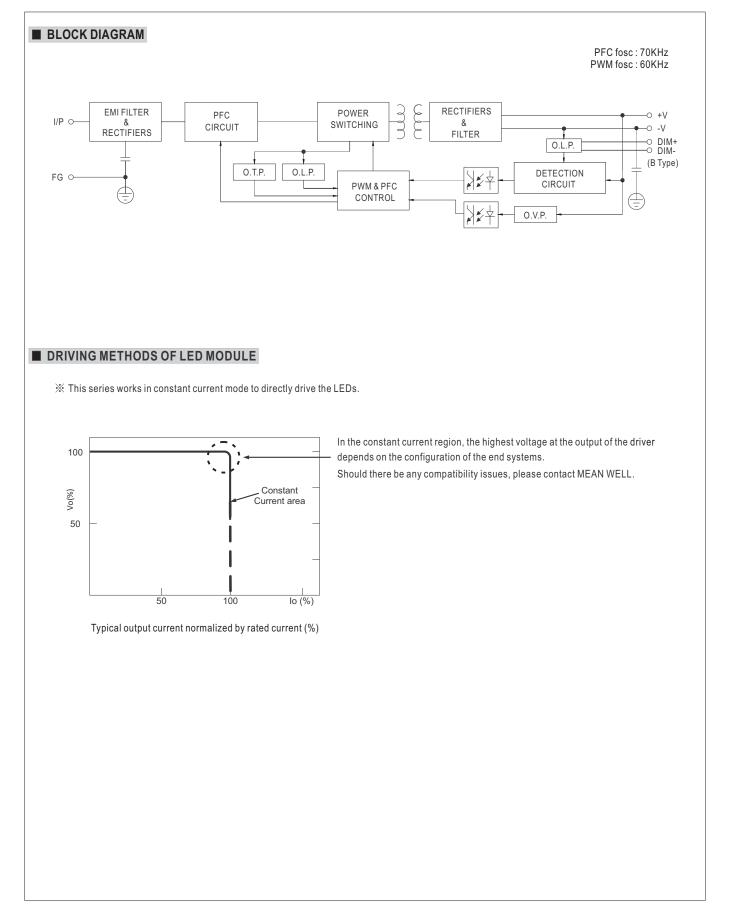
Туре	IP Level	Function	Note
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D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



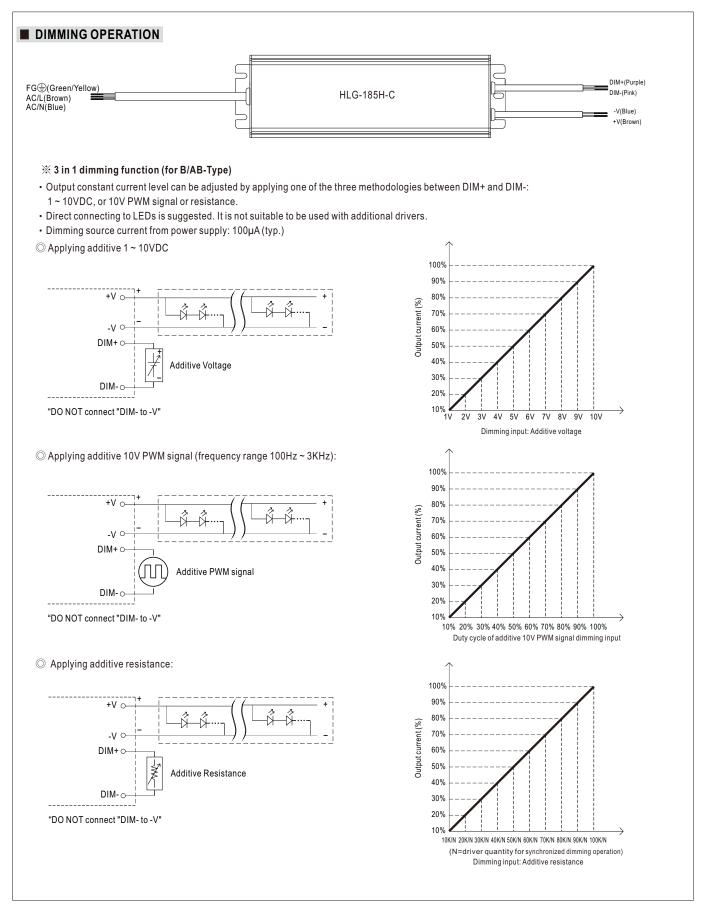
SPECIFICATION

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NSTANT CURRENT REGION Note.2 IRRENT ADJ. RANGE IRRENT RIPPLE IRRENT TOLERANCE T UP TIME Note.4 PLTAGE RANGE Note.3 EQUENCY RANGE WER FACTOR (Typ.) TAL HARMONIC DISTORTION FICIENCY (Typ.) C CURRENT (Typ.) C CURRENT (Typ.) RUSH CURRENT(Typ.) RUSH CURRENT(Typ.) RUSH CURRENT(Typ.) RUSH CURRENT IORT CIRCUIT // RE VOLTAGE	200V ~ 400V200V ~ 400VCan be adjusted by internal pote250 ~ 500mA5.0% max. @rated current $\pm 5\%$ 1000ms/115VAC 500ms/23090 ~ 305VAC 127 ~ 431VE(Please refer to "STATIC CHAR47 ~ 63HzPF $\ge 0.98/115$ VAC or PF ≥ 0.96 (Please refer to "POWER FACTITTDTHD< 20%@ $\ge 50\%$ load/115V(Please refer to "TOTAL HARM94%2A / 115VAC 1A / 230VACOLD START 55A(twidth=900/4s)2 units (circuit breaker of type E)<0.75mA / 277VACConstant current limiting, recov	143V ~ 286V entiometer (A/AB type only) $350 \sim 700 \text{ mA}$ VAC OC ACTERISTIC" section) /230VAC or PF $\geq 0.93/277VAC$ (c) OR (PF) CHARACTERISTIC" section) /26, or 230VAC, or @ $\geq 75\%$ Ic IONIC DISTORTION" section) 94% C 0.85A / 277VAC measured at 50% lpeak) at 230V/	95V ~ 190V 525 ~ 1050mA @full load action) pad/277VAC 94% AC; Per NEMA 410	71V ~ 143V 700 ~ 1400mA		
IRRENT ADJ. RANGE IRRENT RIPPLE IRRENT TOLERANCE IT UP TIME Note.4 DLTAGE RANGE Note.3 EQUENCY RANGE WER FACTOR (Typ.) TAL HARMONIC DISTORTION FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT (Typ.) RUSH CURRENT(Typ.) AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT IORT CIRCUIT //ER VOLTAGE	Can be adjusted by internal pote 250 ~ 500mA 5.0% max. @rated current \pm 5% 1000ms/115VAC 500ms/230 90 ~ 305VAC 127 ~ 431VE (Please refer to "STATIC CHAR 47 ~ 63Hz PF \geq 0.98/115VAC or PF \geq 0.96/ (Please refer to "POWER FACTO THD<20%@ \geq 50% load/115V (Please refer to "TOTAL HARM 94% 2A / 115VAC 1A / 230VA COLD START 55A(twidth=900,45 2 units (circuit breaker of type E <0.75mA / 277VAC Constant current limiting, recov	entiometer (A/AB type only) asto ~ 700mA $350 \sim 700mA$ VAC OC ACTERISTIC" section) /230VAC or PF $\geq 0.93/277VAC$ (OR (PF) CHARACTERISTIC" sec YAC, or 230VAC, or @ $\geq 75\%$ Ic 10NIC DISTORTION" section) 94% C 0.85A / 277VAC measured at 50% lpeak) at 230V/	©full load ection) 0ad/277VAC) 94% AC; Per NEMA 410	700 ~ 1400mA		
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EQUENCY RANGE WER FACTOR (Typ.) TAL HARMONIC DISTORTION FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT(Typ.) AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT IORT CIRCUIT /ER VOLTAGE	$\begin{array}{l} (\text{Please refer to "STATIC CHAR}\\ 47 \sim 63\text{Hz}\\ \text{PF} \geq 0.98/115\text{VAC or PF} \geq 0.96\\ (\text{Please refer to "POWER FACT"}\\ \text{THD< 20\%@} \geq 50\% \text{ load}/115\text{V}\\ (\text{Please refer to "TOTAL HARM}\\ 94\%\\ 2A / 115\text{VAC} & 1A / 230\text{VA}\\ \text{COLD START 55A}(\text{twidth=900,4s}\\ 2 \text{ units (circuit breaker of type E}\\ < 0.75\text{mA} / 277\text{VAC}\\ \text{Constant current limiting, recov}\\ \end{array}$	ACTERISTIC" section) $(230VAC \text{ or } PF \ge 0.93/277VAC (COR (PF) CHARACTERISTIC" section)$ $(AC, \text{ or } 230VAC, \text{ or } @ \ge 75\% \text{ loc}$ $(AC, OCC) = 230VAC, \text{ or } @ \ge 75\% \text{ loc}$ (AC, OCC) = 230VAC,	AC; Per NEMA 410	94%		
WER FACTOR (Typ.) TAL HARMONIC DISTORTION FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT(Typ.) RX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT IORT CIRCUIT /ER VOLTAGE	$\label{eq:product} \begin{array}{l} PF \geqq 0.98/115VAC \mbox{ or } PF \geqq 0.96/(\mbox{Please refer to "POWER FACTOR")} \\ (Please refer to "POWER FACTOR") \\ THD < 20\% @ \geqq 50\% \mbox{ load}/115V \\ (Please refer to "TOTAL HARM") \\ 94\% \\ \hline 2A/115VAC & 1A/230VA \\ \\ COLD START 55A(twidth=900/cs \\ 2\mbox{ units (circuit breaker of type E} \\ < 0.75mA/277VAC \\ \hline \\ Constant current limiting, recovery \\ \end{array}$	OR (PF) CHARACTERISTIC" set (AC, or 230VAC, or @≥75% ld 10NIC DISTORTION" section) 94% C 0.85A / 277VAC measured at 50% lpeak) at 230V/	AC; Per NEMA 410	94%		
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RCUIT BREAKER AKAGE CURRENT IORT CIRCUIT I'ER VOLTAGE	<0.75mA / 277VAC Constant current limiting, recov	3) / 3 units (circuit breaker of ty	pe C) at 230VAC			
IORT CIRCUIT	Constant current limiting, recov					
YER VOLTAGE						
	450 - 4701/	ers automatically after fault cor	ndition is removed			
	Shut down o/p voltage with auto	320 ~ 340V	210 ~ 225V	160 ~ 170V		
	Shut down o/p voltage, recove		•			
DRKING TEMP.	Tcase=-40 ~ +90°C (Refer to "D	erating Curve")				
X. CASE TEMP.	Tcase=+90°C	<u> </u>				
ORKING HUMIDITY	10 ~ 95% RH non-condensing					
ORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
MP. COEFFICIENT	±0.03%/°C (0~50°C)					
BRATION	10 ~ 500Hz, 5G 12min./1cycle,	period for 72min. each along X	<, Y, Z axes;			
FETY STANDARDS	UL8750, CSA C22.2 No. 250.13-12, BS EN/EN/AS/NZS 61347-1, BS EN/EN/AS/NZS 61347-2-13, BS EN/EN62384 independent, GB19510.1,GB19510.14;IP65 or IP67, J61347-1, J61347-2-13(for A type only), EAC TP TC 004 approved					
THSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC					
DLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH					
IC EMISSION	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (≥50% load) ; BS EN/EN61000-3-3,GB/T 17743 , GB17625.1, EAC TP TC 020					
	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, heavy industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020					
BF		SR-332 (Bellcore); 191.9K hrs	s min. MIL-HDBK-217F (25°C			
MENSION	228*68*38.8mm (L*W*H)	_				
CKING	0.1					
 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 driver may lead to increase of the set up time. 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) 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. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 75°C or less. 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 operating altitude higher than 2000m(6500 10. 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 						
CI All De Le Th co as To co Th	F ENSION KING parameters NOT specially ease refer to "DRIVING M e-rating may be needed ur angth of set up time is mea- te driver is considered as a mplete installation, the fina a available on https://www. fulfill requirements of the nnected to the mains. is series meets the typical ease refer to the warrantly the ambient temperature defor or any application note ar tttps://www.meanwell.com/	IMMUNITY EAC TP TC 020 F 2458.6K hrs min. Telcordia S INSION 228*68*38.8mm (L*W*H) KING 1.15Kg; 12pcs/14.8Kg/0.8CUF* parameters NOT specially mentioned are measured at 22 ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 23 ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 23 ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 23 ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 23 ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 24 ease refer to "DRIVING METHODS OF LED MODULE". savailable on https://www.meanwell.com//Upload/PDF/EM fulfill requirements of the latest ErP regulation for lighting nnected to the mains. sis series meets the typical life expectancy of >62,000 hou ease refer to the warranty statement on MEAN WELL's w we ambient temperature derating of 3.5°C/1000m with fanle for any application note and IP water proof function installatttps://www.meanwell.com/Upload/PDF/LED_EN.pdf	IMMUNITY EAC TP TC 020 F 2458.6K hrs min. Telcordia SR-332 (Bellcore); 191.9K hrs SISION 228*68*38.8mm (L*W*H) CING 1.15Kg; 12pcs/14.8Kg/0.8CUFT parameters NOT specially mentioned are measured at 230VAC input, rated current and ease refer to "DRIVING METHODS OF LED MODULE". parameters nor specially mentioned are measured at 230VAC input, rated current and ease refer to "DRIVING METHODS OF LED MODULE". paramiting may be needed under low input voltages. Please refer to "STATIC CHARACTER 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 equipment manufacturers must re-qualify EMC Directive on a valiable on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can on nnected to the mains. sis series meets the typical life expectancy of >62,000 hours of operation when Tcase, p ease refer to the warranty statement on MEAN WELL's website at http://www.meanwell. earbient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m for any application note and IP water proof function installation caution, please refer our ttps://www.meanwell.com/Upload/PDF/LED_EN.pdf	IMMUNITY EAC TP TC 020 F 2458.6K hrs min. Telcordia SR-332 (Bellcore); 191.9K hrs min. MIL-HDBK-217F (25°C SISION 228*68*38.8mm (L*W*H) MIL-HDBK-217F (25°C CING 1.15Kg; 12pcs/14.8Kg/0.8CUFT parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature ease refer to "DRIVING METHODS OF LED MODULE". parameters not specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature ease refer to "DRIVING METHODS OF LED MODULE". parameters is no specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature ease refer to "DRIVING METHODS OF LED MODULE". parameters is no specially mentioned are measured in combination with final equipment. Since EMC performa mplete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again a valiable on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch w nnected to the mains. is series meets the typical life expectancy of >62,000 hours of operation when Tc		





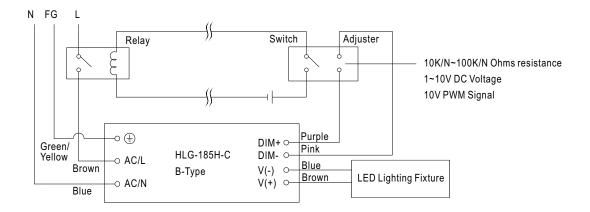






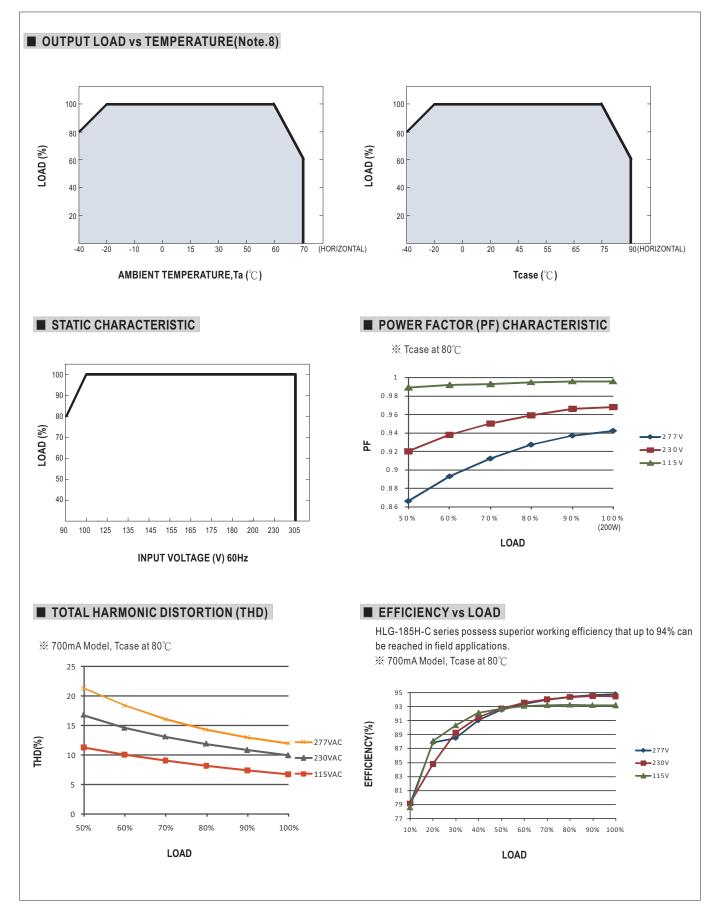
HLG-185H-C series

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

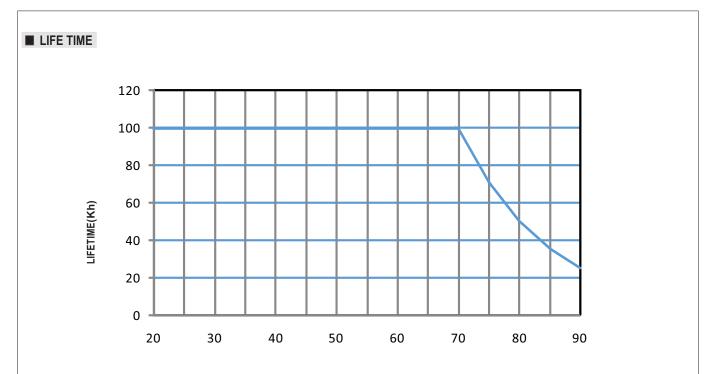


Using a switch and relay can turn ON/OFF the lighting fixture.



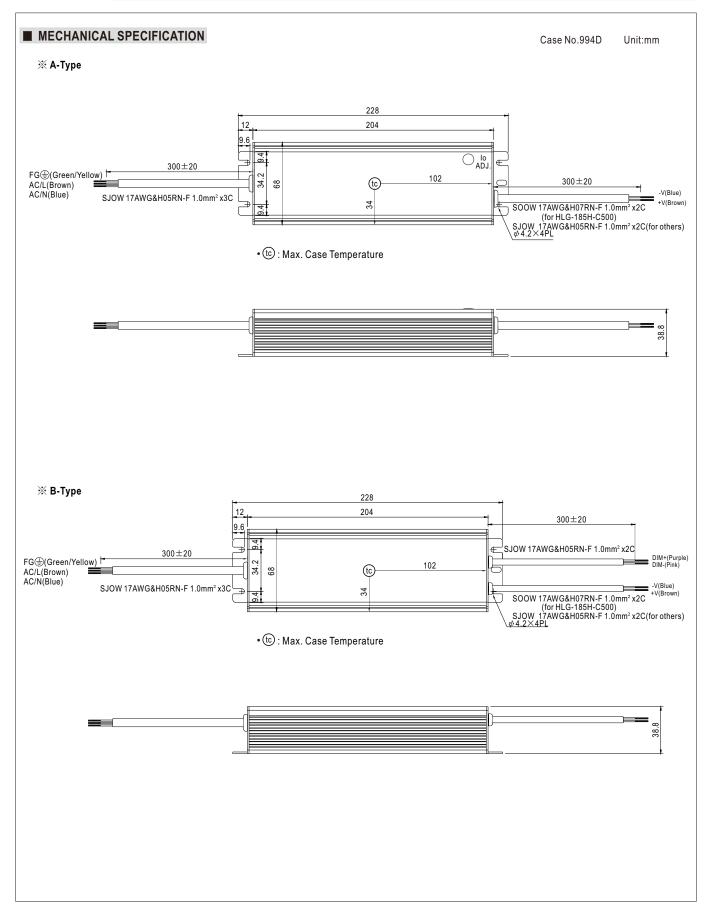




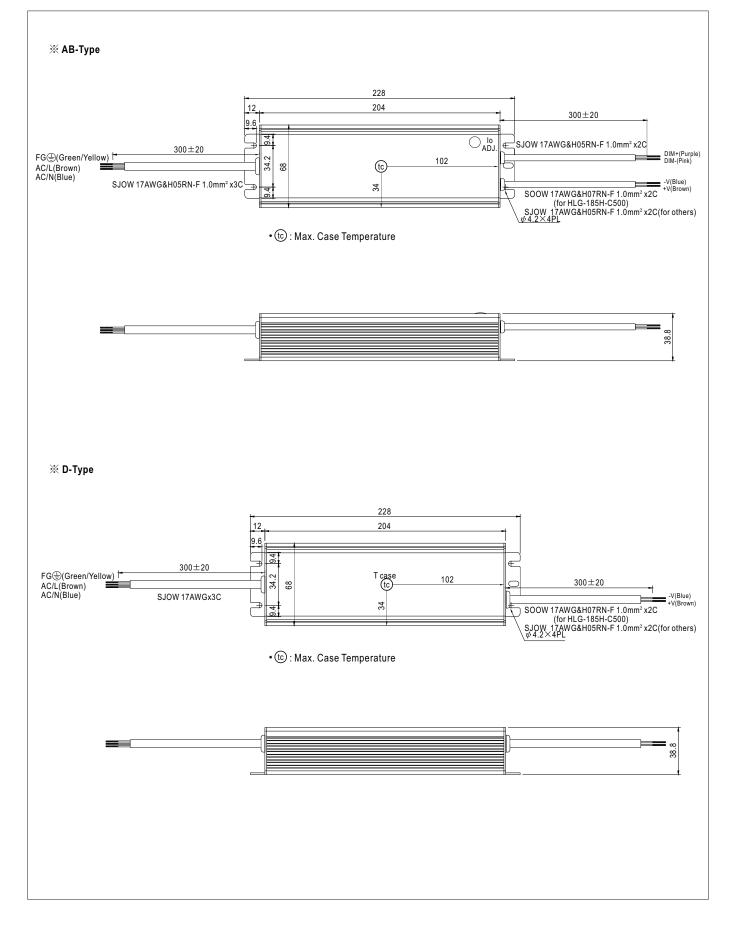


Tcase (℃)







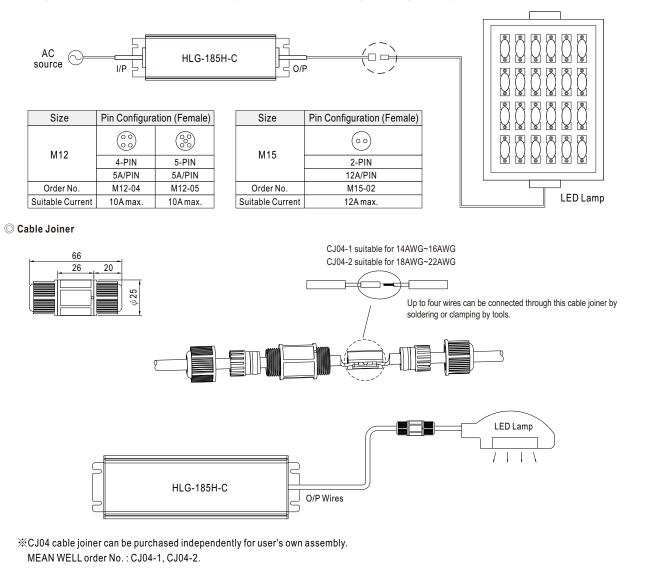




WATERPROOF CONNECTION

◎ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-185H-C to operate in dry/wet/damp or outdoor environment.



INSTALLATION MANUAL

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