



























Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- IP67 / IP65 rating for indoor or outdoor installations
- · Function options: output adjustable via potentiometer; 3 in 1 dimming
- Typical lifetime > 62000 hours
- 7 years warranty

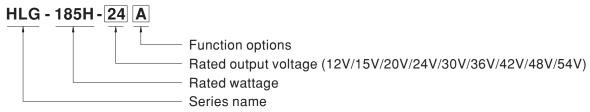
Applications

- · LED street lighting
- · LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

Description

HLG-185H series is a 185W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-185H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40°C ~ +90°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 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed	In Stock
Α	IP65	Io and Vo 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 and Vo 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

HLG-185H series

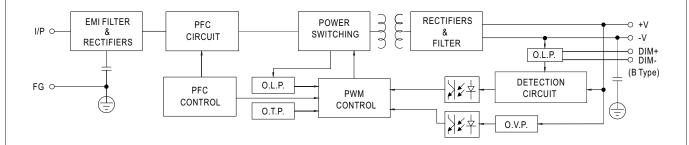
SPECIFICATION

MODEL			HLG-185H-12	HLG-185H-15	HLG-185H-20	HLG-185H-24	HLG-185H-30	HLG-185H-36	HLG-185H-42	HLG-185H-48	HLG-185H-54[
	DC VOLTAGE		12V	15V	20V	24V	30V	36V	42V	48V	54V
ОИТРИТ	CONSTANT CURRENT REGION Note.4			7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V
	RATED CURRENT		13A	11.5A	9.3A	7.8A	6.2A	5.2A	4.4A	3.9A	3.45A
	RATED POWER		156W	172.5W	186W	187.2W	186W	187.2W	184.8W	187.2W	186.3W
	RIPPLE & NOISE (max.) Note.2			150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	MIT LE & NOIDE (IIIAX.) Note.2		Adjustable for A/AB-Type only (via built-in potentiometer)								
	VOLTAGE ADJ. R	VOLTAGE ADJ. RANGE			17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
					L	potentiomete		111	1	1	1
	CURRENT ADJ. RANGE		6.5 ~ 13A	5.75 ~ 11.5A		3.9 ~ 7.8A	3.1 ~ 6.2A	2.6 ~ 5.2A	2.2 ~ 4.4A	1.95 ~ 3.9A	1.72 ~ 3.45
	VOLTAGE TOLERANCE Note.3			±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATI		±2.0%	±1.5%	±1.0%	±0.5%	± 0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIM				500ms,200ms		_ 0.070	- 0.070	_ = 0.070	= 0.070	= 0.070
	HOLD UP TIME (T			C, 230VAC	0001110,2001110	7200 1710					
	TIOLD OF TIME (Typ.)		90 ~ 305VAC	127 ~ 431	IVDC						
INPUT	VOLTAGE RANGI	VOLTAGE RANGE Note.5			ARACTERIST	IC" section)					
	FREQUENCY RA										
	TREGOENOTIVA	NOL .	47 ~ 63Hz	\/\C DE>\\0	5/230\/AC DE	≥0.92/277VA	∩ @ full load				
	POWER FACTOR	(Typ.)				ARACTERISTI	•				
			- `		,		≥75% / 277VA	C)			
	TOTAL HARMONIC	DISTORTION				TORTION (TH		0)			
	EFFICIENCY /Tyre	. 1	91.5%	92%	93%		93.5%	93.5%	94%	94%	94%
	EFFICIENCY (Typ	12V	1.8A / 115VA			93.5% .7A / 277VAC	93.3%	93.3%	94%	94%	94%
	AC CURRENT (Typ.)	15V ~ 54V									
			2.1A / 115VAC								
		INRUSH CURRENT (Typ.) MAX. No. of PSUs on 16A		COLD START 65A(twidth=445µs measured at 50% Ipeak) at 230VAC; Per NEMA 410							
	CIRCUIT BREAK		4 units (circui	t breaker of typ	eB)/7 units (circuit breaker	of type C) at 2	30VAC			
				7\/A C							
	LLAKAGE COKK	LEAKAGE CURRENT		<0.75mA / 277VAC							
PROTECTION	OVER CURRENT		95 ~ 108%	4 15 145		t! II f t f	14 1141 1	d			
			Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT		Constant our			tically ofter fou	It condition in r				
DOTECTION	SHORT CIRCUIT			ent limiting, re	covers automa	-			47 - 521/	E4 - 62\/	F0 - 651/
PROTECTION	OVER VOLTAGE		14 ~ 17V	ent limiting, red	covers automa 23 ~ 27V	28 ~ 34V	34 ~ 38V	emoved 41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE		14 ~ 17V Shut down o/p	ent limiting, red 18 ~ 21V o voltage with a	covers automa 23 ~ 27V auto-recovery c	28 ~ 34V or re-power on	34 ~ 38V to recovery	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE OVER TEMPERA		14 ~ 17V Shut down o/p Shut down o/p	ent limiting, recovered to the second	covers automa 23 ~ 27V auto-recovery c vers automatic	28 ~ 34V or re-power on ally after temp	34 ~ 38V to recovery erature goes do	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE OVER TEMPERA WORKING TEMP.		14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~	ent limiting, red 18 ~ 21V o voltage with a o voltage, reco +90°C (Please	covers automa 23 ~ 27V auto-recovery c vers automatic	28 ~ 34V or re-power on ally after temp	34 ~ 38V to recovery	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERA' WORKING TEMP. MAX. CASE TEM	P.	14 ~ 17V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +90°C	ent limiting, rec 18 ~ 21V o voltage with a o voltage, reco +90°C (Please	23 ~ 27V auto-recovery overs automatic e refer to "OU"	28 ~ 34V or re-power on ally after temp	34 ~ 38V to recovery erature goes do	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEM WORKING HUMID	P.	14 ~ 17V Shut down o/s Shut down o/s Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	ent limiting, rec 18 ~ 21V o voltage with a o voltage, reco +90°C (Please conon-condensir	23 ~ 27V auto-recovery overs automatic e refer to "OU"	28 ~ 34V or re-power on ally after temp	34 ~ 38V to recovery erature goes do	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	P. Dity , humidity	$14 \sim 17V$ Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C,	ent limiting, reconstruction and the control of the	23 ~ 27V auto-recovery overs automatic e refer to "OU"	28 ~ 34V or re-power on ally after temp	34 ~ 38V to recovery erature goes do	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICII	P. Dity , humidity	14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, \pm 0.03%°C (ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please c) non-condensir 10 ~ 95% RH 0 ~ 60°C)	covers automa 23 ~ 27V auto-recovery overs automatic e refer to "OU"	28 ~ 34V or re-power on ally after temp TPUT LOAD vs	34 ~ 38V to recovery erature goes do B TEMPERATU	d1~46V own JRE" section)	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	P. Dity , humidity	14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, \pm 0.03%°C (ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please c) non-condensir 10 ~ 95% RH 0 ~ 60°C)	covers automa 23 ~ 27V auto-recovery overs automatic e refer to "OU"	28 ~ 34V or re-power on ally after temp TPUT LOAD vs	34 ~ 38V to recovery erature goes do	d1~46V own JRE" section)	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICII	P. DITY , HUMIDITY ENT	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type" AS/NZS 6134	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please c) non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"),CSA C22 7-2-13(except	23 ~ 27V auto-recovery overs automatic e refer to "OU" 19 1e, period for 7 2 No. 250.0-08 for AB-type) inic	28 ~ 34V or re-power on ally after temp TPUT LOAD vs 72min. each ale 8;BS EN/EN 61 dependent;GB	34 ~ 38V to recovery erature goes do B TEMPERATU	wn JRE" section) s N 61347-2-13, 510.14; IP65 o	AS/NZS 6134 r IP67; J61347-	17-1(except for	AB-type),
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA' WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION SAFETY STANDA	P. DITY ,, HUMIDITY ENT	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type" AS/NZS 6134 AB and D-type	ent limiting, red 18 ~ 21V voltage with a voltage, recov +90°C (Please non-condensir 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 7-2-13(except e), EAC TPTC	automa 23 ~ 27V auto-recovery overs automatic e refer to "OU" 199 10e, period for 7 2 No. 250.0-08 for AB-type) in 1004, KC61347	28 ~ 34V or re-power on ally after temp TPUT LOAD vs 72min. each ale 8;BS EN/EN 61 dependent;GB -1,KC61347-2-	34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 347-1,BS EN/E 19510.1,GB198 13(except for D	wn JRE" section) s N 61347-2-13, 510.14; IP65 o	AS/NZS 6134 r IP67; J61347-	17-1(except for	AB-type),
ENVIRONMENT	OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE VIBRATION	P. DITY , HUMIDITY ENT ARDS	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type'' AS/NZS 6134 AB and D-type I/P-O/P:3.75	ent limiting, red 18 ~ 21V 2 voltage with a 2 voltage, recov +90°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 7-2-13(except a), EAC TP TC KVAC I/P-Fe	covers automa 23 ~ 27V auto-recovery overs automatic e refer to "OU" 199 1ele, period for 1 2 No. 250.0-08 for AB-type) in 004, KC61347- G:2KVAC O.	28 ~ 34V or re-power on ally after temp TPUT LOAD vs 72min. each ale 8;BS EN/EN 61 dependent;GB	34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 347-1,BS EN/E 19510.1,GB198 13 (except for D	wn JRE" section) s N 61347-2-13, 510.14; IP65 o	AS/NZS 6134 r IP67; J61347-	17-1(except for	AB-type),
	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA	P. DITY , HUMIDITY ENT ARDS	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" AS/NZS 6134 AB and D-type I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to	ent limiting, rec 18 ~ 21V voltage with a voltage, reco +90°C (Please non-condensir 10 ~ 60°C) G 12min./1cyc HL"),CSA C22 7-2-13(except s), EAC TP TC KVAC I/P-Fe G, O/P-FG:10 BS EN/EN55	automa 23 ~ 27V auto-recovery overs automatic e refer to "OU" ale, period for 72 2 No. 250.0-08 for AB-type) in 004, KC61347-004, KC61347-0004, KC61347-0004, KC61347-0005, BS EN/EN	28 ~ 34V or re-power on ally after temp. TPUT LOAD vs 72min. each ale B;BS EN/EN 61 4,KC61347-2- /P-FG:1.5KVA	34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 347-1,BS EN/E 19510.1,GB19: 13(except for D C 70% RH R32) Class B, B	wn JRE" section) s s :N 61347-2-13, 510.14; IP65 o -type) approve	AS/NZS 6134 r IP67; J61347- d	17-1(except for 1, J61347-2-13	AB-type), 8(except for E
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI EMC EMISSION EMC IMMUNITY	P. DITY , HUMIDITY ENT ARDS	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" AS/NZS 6134 AB and D-type I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please non-condensir 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 7-2-13(except e), EAC TP TC KVAC I/P-F6 B SE EN/EN55 00-3-3, GB177 D SS EN/EN61	automa 23 ~ 27V auto-recovery overs automatic e refer to "OU" 199 10, period for 1 2 No. 250.0-08 for AB-type) in 1 004, KC61347-1 3:2KVAC 0 100M Ohms / 50 015, BS EN/EN	28 ~ 34V or re-power on ally after temp. TPUT LOAD vs 72min. each ale 3;BS EN/EN 61 dependent;GB -1,KC61347-2-V /P-FG:1.5KVA 10VDC / 25°C / N55032 (CISPF 525.1,EAC TP T 6,8,11, BS EN/	34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 347-1,BS EN/E 19510.1,GB19: 13(except for D C 70% RH R32) Class B, B	wn JRE" section) s IN 61347-2-13, 510.14; IP65 o 1-type) approve	AS/NZS 6134 r IP67; J61347- d	17-1(except for 1, J61347-2-13 (@ load≧50%	AB-type), 8(except for E
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI: EMC EMISSION	P. DITY , HUMIDITY ENT ARDS	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" AS/NZS 6134 AB and D-type I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 7-2-13(except e), EAC TP TC KVAC I/P-F0 B SE EN/EN55 100-3-3, GB177 D BS EN/EN61 V, Line-Line 21	automa 23 ~ 27V auto-recovery overs automatic e refer to "OU" ele, period for 72 2 No. 250.0-08 for AB-type) in 004, KC61347 G:2KVAC O/OM Ohms / 50 015, BS EN/EN 43 and GB176 000-4-2,3,4,5,6 KV),EAC TP TC	28 ~ 34V or re-power on ally after temp. TPUT LOAD vs 72min. each ale 3;BS EN/EN 61 dependent;GB -1,KC61347-2-V /P-FG:1.5KVA 10VDC / 25°C / N55032 (CISPF 525.1,EAC TP T 6,8,11, BS EN/	34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 347-1,BS EN/E 19510.1,GB198 13(except for D C 70% RH R32) Class B, B C 020 EN61547, BS E	wn JRE" section) s IN 61347-2-13, 510.14; IP65 o 1-type) approve	AS/NZS 61347- rlP67; J61347- rd	17-1(except for 1, J61347-2-13 (@ load≧50%	AB-type), 8(except for E
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI EMC EMISSION EMC IMMUNITY	P. DITY , HUMIDITY ENT ARDS	14 ~ 17V Shut down o/r Shut down o/r Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type* AS/NZS 6134 AB and D-type I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to Line-Earth 4K	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please non-condensir 0 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 7-2-13(except e), EAC TP TC KVAC I/P-F(C), O/P-FG:10 D BS EN/EN55 00-3-3, GB177 D BS EN/EN61 V, Line-Line 21 n. Telcordia	automa 23 ~ 27V auto-recovery overs automatic e refer to "OU" ele, period for 72 2 No. 250.0-08 for AB-type) in 004, KC61347 G:2KVAC O/OM Ohms / 50 015, BS EN/EN 43 and GB176 000-4-2,3,4,5,6 KV),EAC TP TC	28 ~ 34V or re-power on ally after temp TPUT LOAD vs 72min. each ale 8;BS EN/EN 61 dependent;GB -1,KC61347-2-V P-FG:1.5KVA 10VDC / 25°C / N55032 (CISPP 525.1,EAC TP T 6,8,11, BS EN/	34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 347-1,BS EN/E 19510.1,GB198 13(except for D C 70% RH R32) Class B, B C 020 EN61547, BS E	wn JRE" section) s N 61347-2-13, 510.14; IP65 o 1-type) approve EN/EN55024, Ii	AS/NZS 61347- rlP67; J61347- rd	17-1(except for 1, J61347-2-13 (@ load≧50%	AB-type), 8(except for E

- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. Please refer to "DRIVING METHODS OF LED MODULE".
- $5. \ De-rating \ may \ be \ needed \ under \ low \ input \ voltages. \ Please \ refer \ to \ "STATIC \ CHARACTERISTIC" \ sections \ for \ details.$
- 6. 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.
- 7. 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.
- 8. 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.
- 9. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75 °C or less. 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.
- 11. 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).
- 12. 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

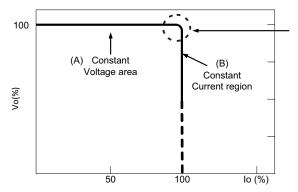
■ BLOCK DIAGRAM

Fosc: 100KHz



■ DRIVING METHODS OF LED MODULE

※ This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.



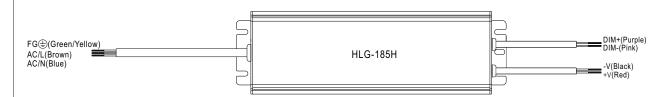
Typical output current normalized by rated current (%)

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.

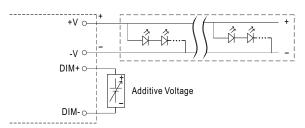


■ DIMMING OPERATION



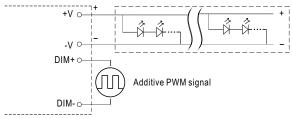
imes 3 in 1 dimming function (for B/AB-Type)

- $\cdot \ \, \text{Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:}$
 - 1 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: $100\mu A$ (typ.)
- O Applying additive 1 ~ 10VDC



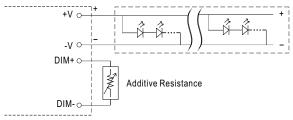
"DO NOT connect "DIM- to -V"

O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

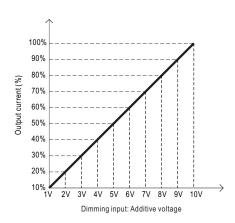


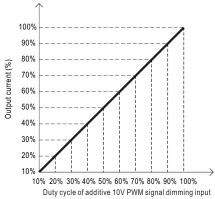
"DO NOT connect "DIM- to -V"

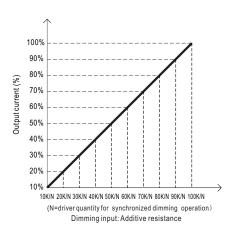
Applying additive resistance:



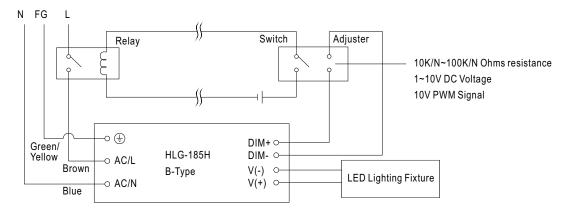
"DO NOT connect "DIM- to -V"





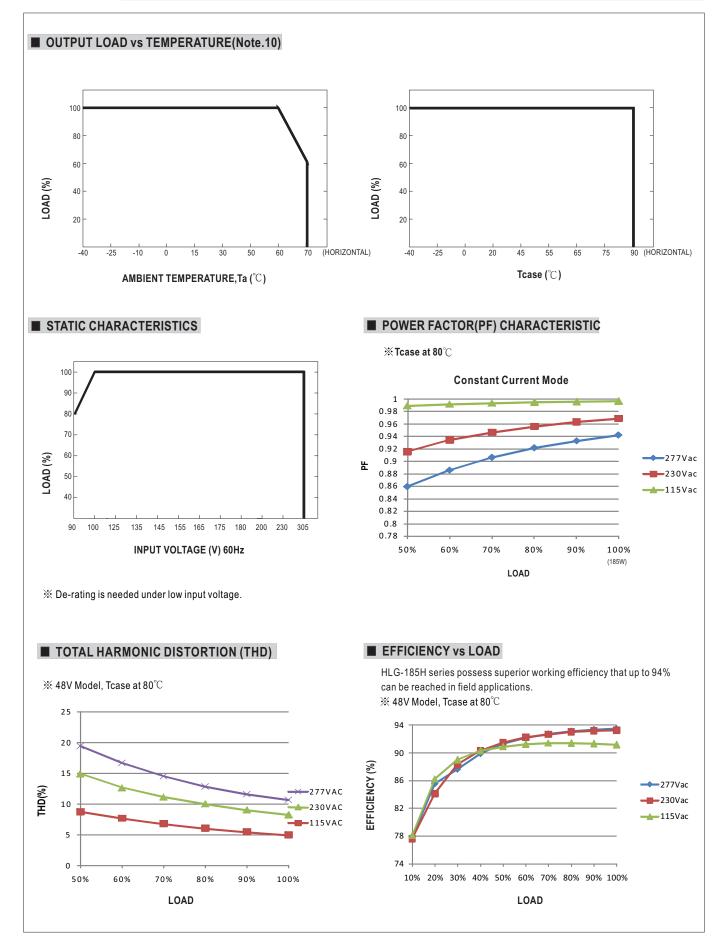


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



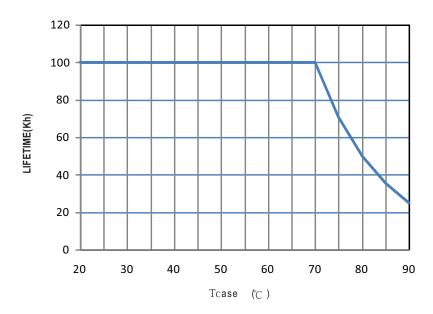
Using a switch and relay can turn ON/OFF the lighting fixture.



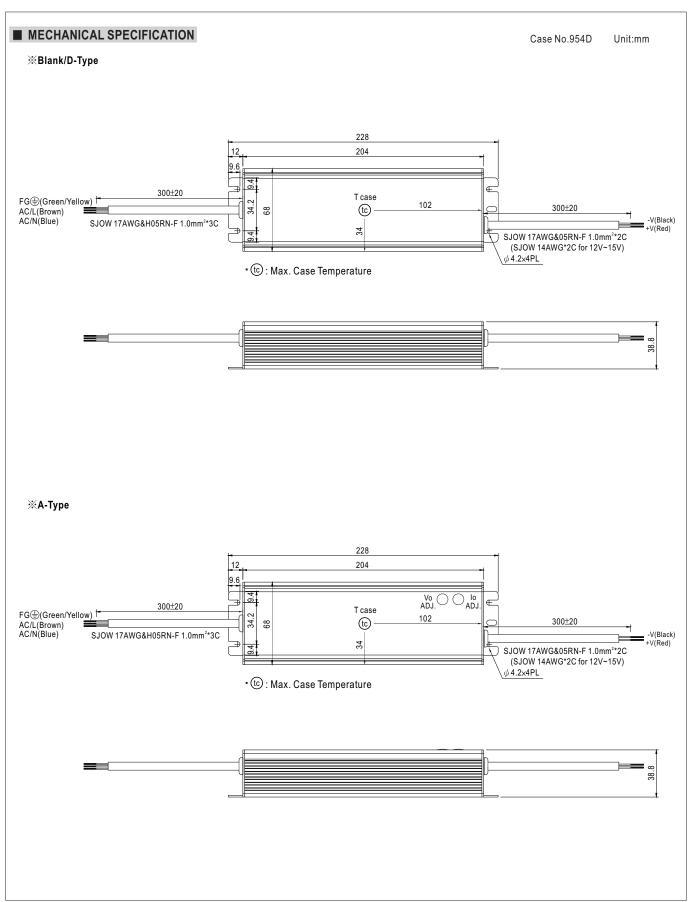




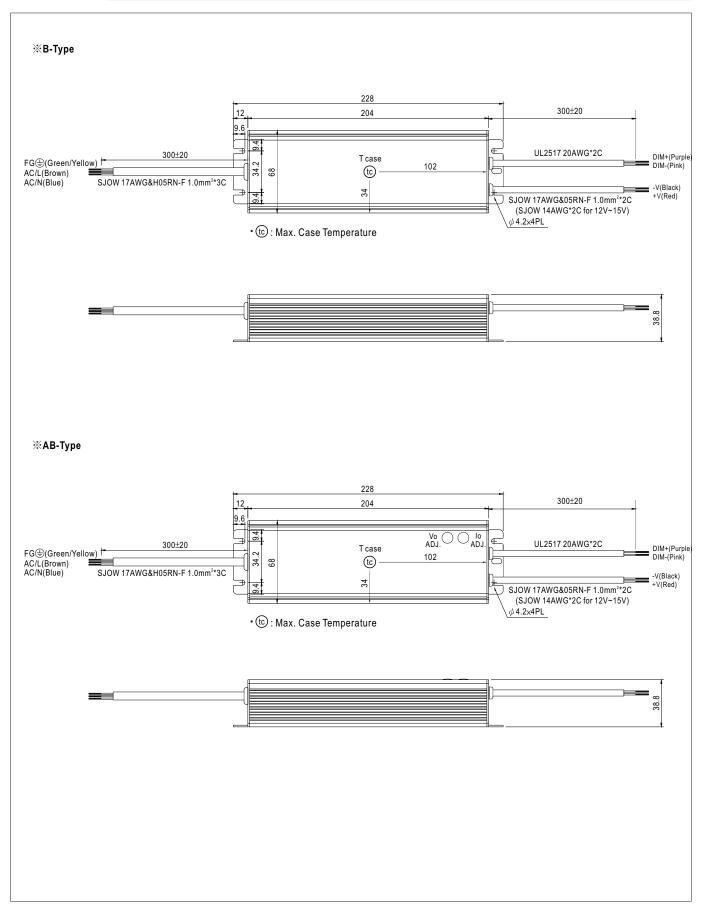
■ LIFE TIME









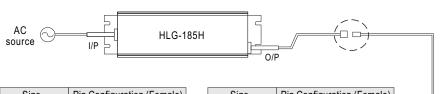




■ WATERPROOF CONNECTION

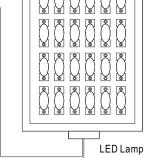
Waterproof connector

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

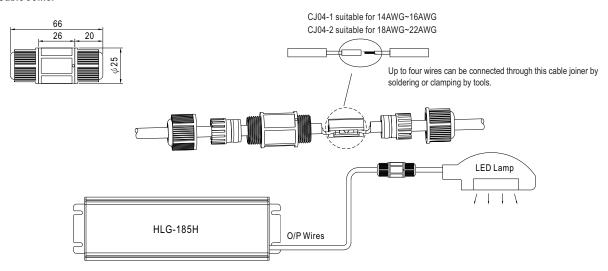


Size	Pin Configuration (Female)			
M12	000	000		
IVITZ	4-PIN	5-PIN		
	5A/PIN	5A/PIN		
Order No.	M12-04	M12-05		
Suitable Current	10A max.	10A max.		

Size	Pin Configuration (Female)
M15	00
IVITS	2-PIN
	12A/PIN
Order No.	M15-02
Suitable Current	12A max.

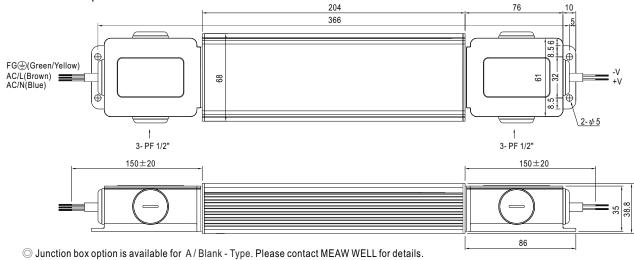


※ Cable Joiner



© CJ04 cable joiner can be purchased independently for user's own assembly. MEAN WELL order No.: CJ04-1, CJ04-2.

※ Junction Box Option



■ INSTALLATION MANUAL

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