

HLG-185H series



















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

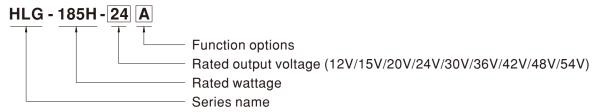
Applications

- 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 $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$ 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
			13A	11.5A	9.3A	7.8A	6.2A	5.2A	4.4A	3.9A	3.45A
	RATED CURRENT		156W	172.5W	186W	187.2W	186W	187.2W	184.8W	187.2W	186.3W
	RATED POWER										
	RIPPLE & NOISE (max.) Note.2		150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp-p								
	VOLTAGE ADJ. RANGE CURRENT ADJ. RANGE VOLTAGE TOLERANCE Note.3			13.5 ~ 17V	, ,	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	40 501/	40 501/
								33~400	30 ~ 40V	43 ~ 53V	49 ~ 58V
			6.5 ~ 13A	r A/AB-Type oi 5.75 ~ 11.5A	, ,	3.9 ~ 7.8A	3.1 ~ 6.2A	2.6 ~ 5.2A	2.2 ~ 4.4A	1.05 ~ 2.04	1.72 ~ 3.45
				±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	1.95 ~ 3.9A ± 1.0%	±1.0%
	LINE REGULATION		±0.5%	±0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
			±2.0%	±1.5%	±1.0%	±0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	±0.5%
	LOAD REGULATION						±0.5%	⊥ 0.5%	1 ± 0.5%	±0.5%	1 ± 0.5%
			1000ms,200m		500ms,200ms	1/230VAC					
	HOLD UP TIME (Typ.)		16ms / 115VA	·	11/00						
INPUT	VOLTAGE RANG	E Note.5	90 ~ 305VAC	127 ~ 431		IC" coetion)					
			(Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RA	NGE	47 ~ 63Hz		5/000V/40 DE	> 0 00/0771/4	0.0.6.11				
	POWER FACTOR	(Typ.)		VAC, PF≧0.9			•				
		,	,	to "POWER FA	,		,	<u> </u>			
	TOTAL HARMONIC	DISTORTION		_			≧75% / 277VA	C)			
			`	to "TOTAL HA		· · · · ·	T .			1	1
	EFFICIENCY (Typ	· ·	91.5%	92%	93%	93.5%	93.5%	93.5%	94%	94%	94%
	AC CURRENT	12V	1.8A / 115VA			.7A / 277VAC					
,	(Тур.)	15V ~ 54V	2.1A / 115VAC 0.9A / 230VAC 0.8A / 277VAC								
	INRUSH CURRENT (Typ.)		COLD START	65A(twidth=445)	us measured a	t 50% Ipeak) at	230VAC; Per NI	=MA 410			
	MAX. No. of PSUs on 16A		4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC								
		CIRCUIT BREAKER		<0.75mA / 277VAC							
	LEAKAGE CURR	ENI		/ VAC							
	OVER CURRENT	OVER CURRENT		95 ~ 108%							
			Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed								
	ALIANT AIRALUT										
	SHORT CIRCUIT		Constant curr	ent limiting, red	covers automa	tically after fau	ılt condition is r	emoved	47 50)/	F4 C0V	50 051/
PROTECTION	SHORT CIRCUIT OVER VOLTAGE		Constant curr	ent limiting, red 18 ~ 21V	covers automa 23 ~ 27V	tically after fau 28 ~ 34V	alt condition is r		47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE		Constant curr 14 ~ 17V Shut down o/p	ent limiting, red 18 ~ 21V voltage with a	covers automa 23 ~ 27V auto-recovery c	tically after fau 28 ~ 34V or re-power on	alt condition is r 34 ~ 38V to recovery	emoved 41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE OVER TEMPERA	TURE	Constant curr 14 ~ 17V Shut down o/g Shut down o/g	ent limiting, red 18 ~ 21V o voltage with a o voltage, reco	covers automa 23 ~ 27V auto-recovery c vers automatic	tically after fau 28 ~ 34V or re-power on ally after temp	Ilt condition is r 34 ~ 38V to recovery erature goes de	emoved 41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	OVER VOLTAGE OVER TEMPERA WORKING TEMP	TURE	Constant curr 14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~	ent limiting, red 18 ~ 21V o voltage with a o voltage, recov +90°C (Please	covers automa 23 ~ 27V auto-recovery c vers automatic	tically after fau 28 ~ 34V or re-power on ally after temp	alt condition is r 34 ~ 38V to recovery	emoved 41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERA WORKING TEMP	TURE IP.	Constant curr 14 ~ 17V Shut down o/s Shut down o/s Tcase= -40 ~ Tcase= +90°C	ent limiting, red 18 ~ 21V o voltage with a o voltage, recov +90°C (Please	covers automa 23 ~ 27V auto-recovery covers automatic e refer to "OU"	tically after fau 28 ~ 34V or re-power on ally after temp	Ilt condition is r 34 ~ 38V to recovery erature goes de	emoved 41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII	TURE IP. DITY	Constant curr 14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	ent limiting, rec 18 ~ 21V o voltage with a o voltage, recon +90°C (Please conon-condensir	covers automa 23 ~ 27V auto-recovery covers automatic e refer to "OU"	tically after fau 28 ~ 34V or re-power on ally after temp	Ilt condition is r 34 ~ 38V to recovery erature goes de	emoved 41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII STORAGE TEMP	TURE DITY ., HUMIDITY	Constant curr $14 \sim 17V$ Shut down o/s Shut down o/s Tcase= -40 ~ Tcase= +90°C $20 \sim 95\%$ RH $-40 \sim +80°C$,	ent limiting, reconstruction and the control of the	covers automa 23 ~ 27V auto-recovery covers automatic e refer to "OU"	tically after fau 28 ~ 34V or re-power on ally after temp	Ilt condition is r 34 ~ 38V to recovery erature goes de	emoved 41 ~ 46V	47~53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII STORAGE TEMP. TEMP. COEFFICI	TURE DITY ., HUMIDITY	Constant curr $14 \sim 17V$ Shut down o/s Shut down o/s Tcase= -40 \sim Tcase= +90°C $_{\circ}$ RH $_{\circ}$ -40 \sim +80°C $_{\circ}$	ent limiting, rec 18 ~ 21V o voltage with a o voltage, recov +90°C (Please Conon-condensir 10 ~ 95% RH 10 ~ 60°C)	covers automa 23 ~ 27V auto-recovery covers automatic e refer to "OUT	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v	alt condition is r 34 ~ 38V to recovery erature goes des TEMPERATU	emoved 41 ~ 46V own JRE" section)	47~53V	54 ~ 63V	59 ~ 65V
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	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII STORAGE TEMP. TEMP. COEFFICI	TURE DITY ., HUMIDITY ENT	Constant curr 14 ~ 17V Shut down o/s Shut down o/s Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type' IP65 or IP67;	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please conon-condensir 10 ~ 95% RH 0 ~ 60°C) GG 12min./1cyc "HL"),CSA C22	covers automa 23 ~ 27V auto-recovery covers automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13 (exc	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 8; EN/AS/NZS cept for B,AB	alt condition is r 34 ~ 38V to recovery erature goes des TEMPERATU	emoved 41 ~ 46V DWN JRE" section) s S/NZS 61347-2	2-13 independo		
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII STORAGE TEMP TEMP. COEFFICI VIBRATION	TURE . IP. DITY ., HUMIDITY ENT	Constant curr 14 ~ 17V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type IP65 or IP67; KC61347-2-	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please conon-condensir 10 ~ 95% RH 0 ~ 60°C) GG 12min./1cyc THL"),CSA C22 J61347-1, J6	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13(exco-type) approx	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 8;EN/AS/NZS cept for B,AB	alt condition is r 34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E	emoved 41 ~ 46V DWN JRE" section) s S/NZS 61347-2	2-13 independo		
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII STORAGE TEMP. TEMP. COEFFICI VIBRATION SAFETY STANDA	TURE	Constant curr 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) IP65 or IP67; KC61347-2 I/P-O/P:3.75	ent limiting, rec 18 ~ 21V voltage with a voltage, recov +90°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc THL"), CSA C22 J61347-1, J6 13(except for I	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC 0	tically after fau 28 ~ 34V 27 re-power on ally after temp TPUT LOAD v 72min. each al 88,EN/AS/NZS cept for B,AB yed	alt condition is r 34 ~ 38V to recovery erature goes does TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E	emoved 41 ~ 46V DWN JRE" section) s S/NZS 61347-2	2-13 independo		
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEM WORKING HUMII STORAGE TEMP. TEMP. COEFFICI VIBRATION SAFETY STANDA	TURE	Constant curr 14 ~ 17V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type' IP65 or IP67; KC61347-2-' I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to GB17743 and	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 J61347-1, J6 13(except for E KVAC I/P-FG C RO, O/P-FG:10 D ENS5015, EN GB17625.1,E/ GB17625.1,E/	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC O/ 10M Ohms / 50 155032 (CISPF AC TP TC 020	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 8;EN/AS/NZS cept for B,AB /red 0VDC / 25°C / R32) Class B, E	alt condition is r 34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E AC 70% RH EN61000-3-2 C	emoved 41 ~ 46V DWN JRE" section) S S/NZS 61347-2 AC TP TC 004,	2-13 independo KC61347-1,	ent;GB19510.1	,GB19510.1
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP MAX. CASE TEMP WORKING HUMII STORAGE TEMP TEMP. COEFFICI VIBRATION SAFETY STANDA WITHSTAND VOL	TURE	Constant curr 14 ~ 17V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type' IP65 or IP67; KC61347-2-' I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to GB17743 and	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 J61347-1, J6 13(except for E KVAC I/P-FG C RO, O/P-FG:10 D ENS5015, EN GB17625.1,E/ GB17625.1,E/	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC O/ 10M Ohms / 50 155032 (CISPF AC TP TC 020	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 8;EN/AS/NZS cept for B,AB /red 0VDC / 25°C / R32) Class B, E	alt condition is r 34 ~ 38V to recovery erature goes does TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E	emoved 41 ~ 46V DWN JRE" section) S S/NZS 61347-2 AC TP TC 004,	2-13 independo KC61347-1,	ent;GB19510.1	,GB19510.1
ENVIRONMENT	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEMP. WORKING HUMII STORAGE TEMP. TEMP. COEFFICI VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI EMC EMISSION	TURE	Constant curr 14 ~ 17V Shut down o/g Shut down o/g Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type' IP65 or IP67; KC61347-2-' I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to GB17743 and	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 J61347-1, J6 13(except for E KVAC I/P-F(G, O/P-FG:10 D ENS5015, EN GB17625.1,E EN61000-4-2,3,*	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC O/ 10M Ohms / 50 155032 (CISPF AC TP TC 020	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 18;EN/AS/NZS cept for B,AB ved 0VDC / 25°C/ R32) Class B, E	alt condition is r 34 ~ 38V to recovery erature goes does TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E AC 70% RH EN61000-3-2 C	emoved 41 ~ 46V DWN JRE" section) S S/NZS 61347-2 AC TP TC 004,	2-13 independo , KC61347-1, I≥50%); EN6	ent;GB19510.1	,GB19510.1
ENVIRONMENT SAFETY & EMC	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEMP. WORKING HUMII STORAGE TEMP. TEMP. COEFFICI VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI EMC EMISSION EMC IMMUNITY	TURE	Constant curr 14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ± 0.03%/°C (10 ~ 500Hz, 5 UL8750(type) IP65 or IP67; KC61347-2-′ I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to GB17743 and Compliance to	ent limiting, rec 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 J61347-1, J6 J61347-1, J6 EN55015, EN GB17625.1,E,EN61000-4-2,3, n. Telcordia	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 2 No. 250.0-0 1347-2-13(ext 0-type) approv 3:2KVAC O/ 0M Ohms / 50 155032 (CISPRAC TP TC 020 4,5,6,8,11, EN61	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 18;EN/AS/NZS cept for B,AB ved 0VDC / 25°C/ R32) Class B, E	alt condition is r 34 ~ 38V to recovery erature goes does TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E AC 70% RH EN61000-3-2 C	emoved 41 ~ 46V DWN JRE" section) S S/NZS 61347-2 AC TP TC 004,	2-13 independo , KC61347-1, I≥50%); EN6	ent;GB19510.1	,GB19510.1
	OVER VOLTAGE OVER TEMPERA WORKING TEMP. MAX. CASE TEM WORKING HUMII STORAGE TEMP. TEMP. COEFFICI VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI EMC EMISSION EMC IMMUNITY MTBF	TURE	Constant curr 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) IP65 or IP67; KC61347-2-′ I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to GB17743 and Compliance to 757.2K hrs mi 228*68*38.8n	ent limiting, rec 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 J61347-1, J6 J61347-1, J6 EN55015, EN GB17625.1,E,EN61000-4-2,3, n. Telcordia	23 ~ 27V auto-recovery overs automatic e refer to "OUT 19 1e, period for 7 1.2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC O/ 10M Ohms / 50 155032 (CISPF AC TP TC 020 4,5,6,8,11, EN61 SR-332 (Bello	tically after fau 28 ~ 34V or re-power on ally after temp TPUT LOAD v 72min. each al 18;EN/AS/NZS cept for B,AB ved 0VDC / 25°C/ R32) Class B, E	alt condition is r 34 ~ 38V to recovery erature goes does TEMPERATU ong X, Y, Z axe 61347-1,EN/A and D-type), E AC 70% RH EN61000-3-2 C	emoved 41 ~ 46V DWN JRE" section) S S/NZS 61347-2 AC TP TC 004,	2-13 independo , KC61347-1, I≥50%); EN6	ent;GB19510.1	,GB19510.1

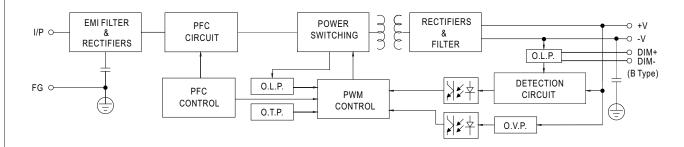
- 3. Tolerance: includes set up tolerance, line regulation and load regulation.
- 4. Please refer to "DRIVING METHODS OF LED MODULE".
- 5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.
- 6. Length of set up time is measured at first cold 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



HLG-185H series

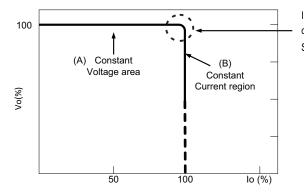
■ BLOCK DIAGRAM

Fosc: 100KHz



■ DRIVING METHODS OF LED MODULE

X 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.



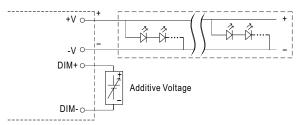
HLG-185H series

■ DIMMING OPERATION



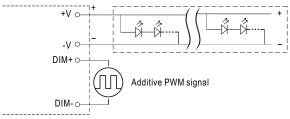
imes 3 in 1 dimming function (for B/AB-Type)

- 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



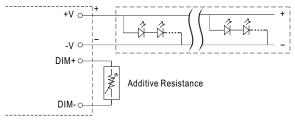
"DO NOT connect "DIM- to -V"

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

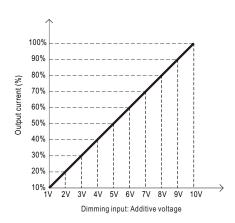


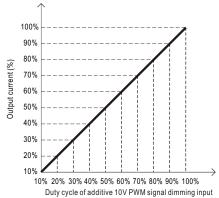
"DO NOT connect "DIM- to -V"

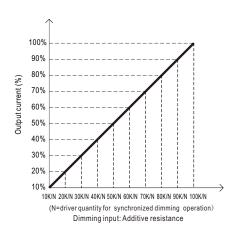
Applying additive resistance:



"DO NOT connect "DIM- to -V"



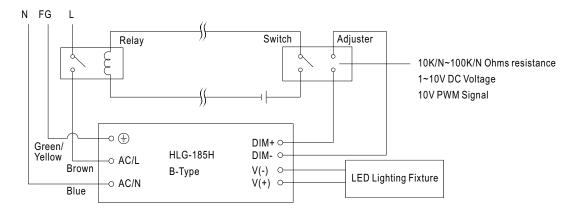






HLG-185H series

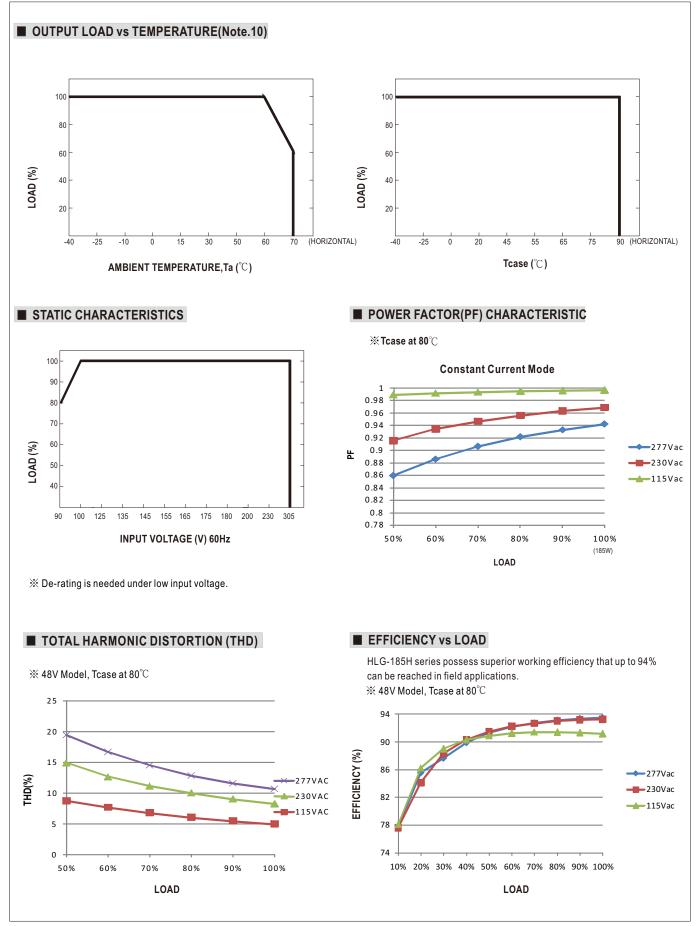
Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



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



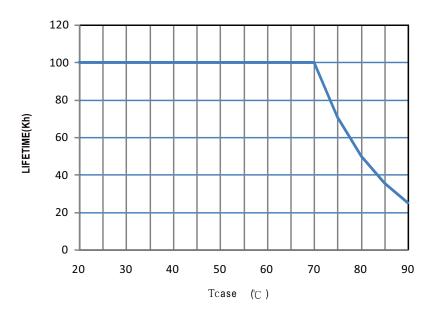
HLG-185H series





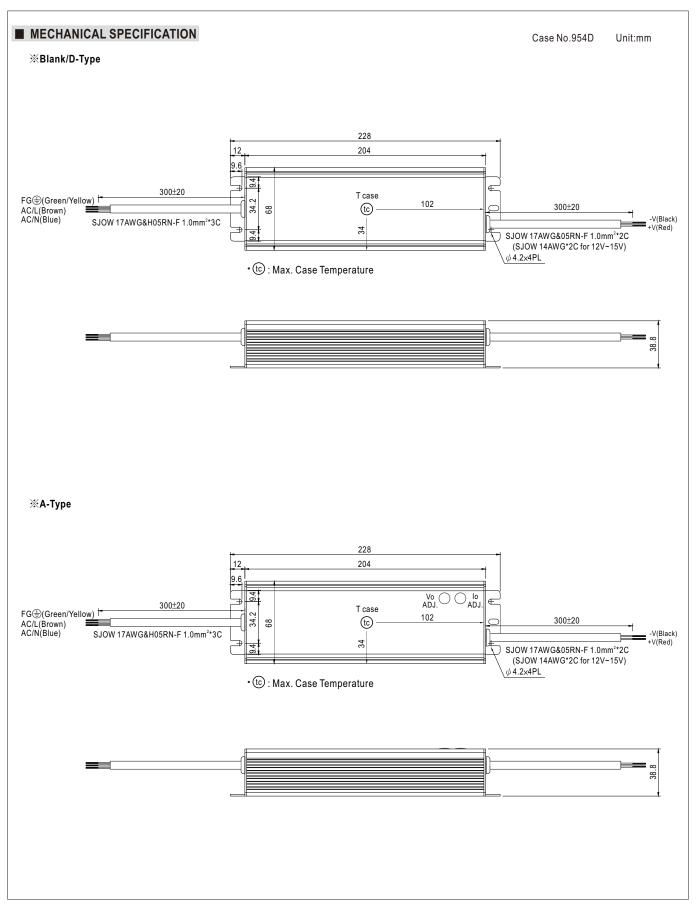
HLG-185H series

■ LIFE TIME



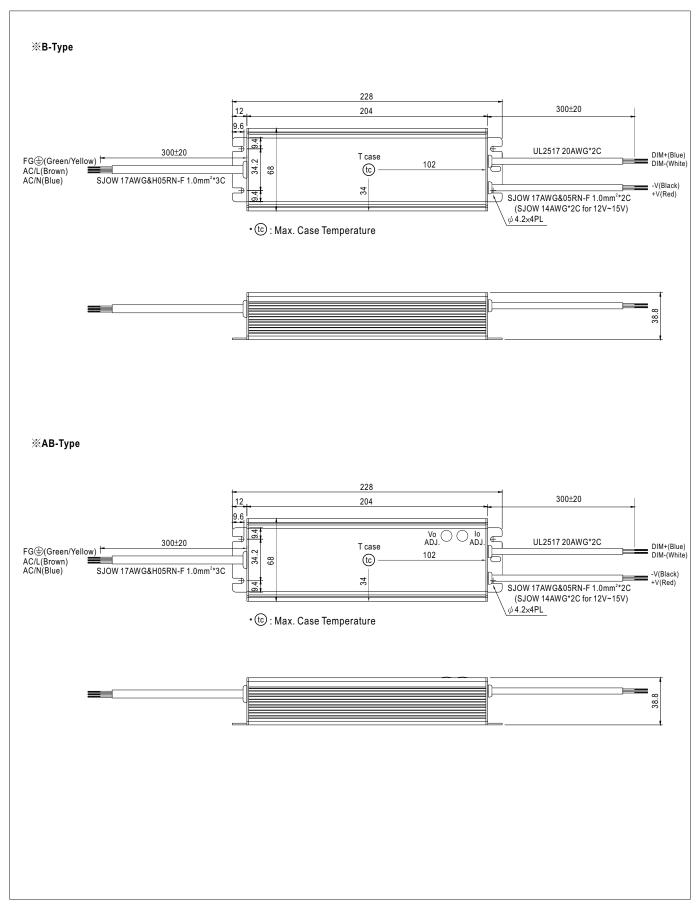


HLG-185H series





HLG-185H series



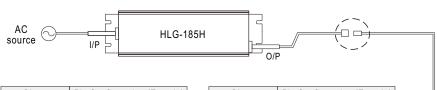


HLG-185H series

■ WATERPROOF CONNECTION

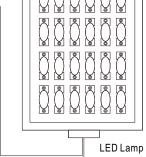
Waterproof connector

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

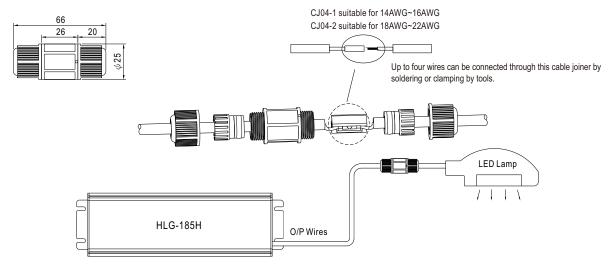


Size	Pin Configuration (Female)		
M12	000	<u></u>	
IVIIZ	4-PIN	5-PIN	
	5A/PIN	5A/PIN	
Order No.	M12-04	M12-05	
Suitable Current	10A max.	10A max.	

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

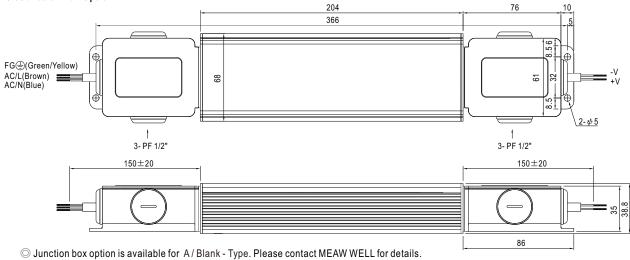


X Cable Joiner



 \bigcirc 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