





















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

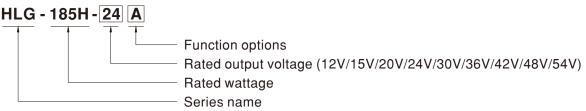
Applications

- 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

185W Constant Voltage + Constant Current LED Driver

HLG-185H series

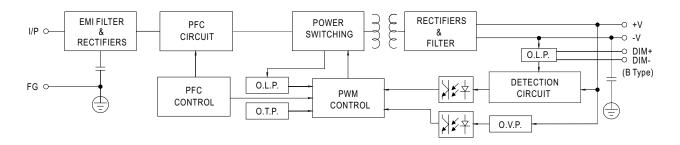
SPECIFICATION

			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
	CONSTANT CURRENT REGION Note.4		6~12V	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
	14.1.1.22.4.110.02	MIFFEL & NOISE (IIIAX.) Note.2		Adjustable for A/AB-Type only (via built-in potentiometer)							
ОИТРИТ	VOLTAGE ADJ. RANGE CURRENT ADJ. RANGE		10.8 ~ 13.5V		17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
			Adjustable for					00 401	00 400	T-0 00 V	+3 30V
			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 TOLER	VOLTAGE TOLERANCE Note.3		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION		±2.5% ±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		1000ms,200m		500ms,200ms		0.576	± 0.070			
	-		16ms / 115VA		0001115,2001115	1230VAC					
	HOLD UP TIME (Typ.)			<u> </u>	\/D0						
	VOLTAGE RANGE Note.5		90 ~ 305VAC	127 ~ 431	VDC ARACTERISTI	C" coction)					
			47 ~ 63Hz	U STATIC CH	ANACIENISTI	C Section)					
	FREQUENCY RAI	FREQUENCY RANGE		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	E/000\/A O DE	> 0 00/077\/A	20111 1				
	POWER FACTOR	(Typ.)			5/230VAC, PF		•				
			,		CTOR (PF) CH		,	2)			
INPUT	TOTAL HARMONIC	DISTORTION				_	≧75% / 277VA(رز)			
			,		RMONIC DIS	· ·		/			
	EFFICIENCY (Typ	1	91.5%	92%	93%	93.5%	93.5%	93.5%	94%	94%	94%
	AC CURRENT	12V	1.8A / 115VAC			7A / 277VAC					
	(Typ.)	15V ~ 54V	2.1A / 115VAC			8A / 277VAC					
	INRUSH CURREN		COLD START	65A(twidth=445)	us measured at	50% Ipeak) at 2	230VAC; Per NE	MA 410			
	MAX. No. of PSUs		4 units (circuit	breaker of typ	e B) / 7 units (circuit breaker	of type C) at 23	30VAC			
	CIRCUIT BREAKE		,				71 ,				
	LEAKAGE CURR	LEAKAGE CURRENT		<0.75mA / 277VAC							
	OVER CURRENT			*****							
	OVER CURRENT		95 ~ 108%								
			Constant curre	ent limiting, red			It condition is re				
	OVER CURRENT SHORT CIRCUIT		Constant curre	ent limiting, red	covers automa	tically after fau	It condition is re	emoved			
PROTECTION	SHORT CIRCUIT		Constant curre	ent limiting, rec ent limiting, rec 18 ~ 21V	covers automa 23 ~ 27V	tically after fau 28 ~ 34V	It condition is re		47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION			Constant curre Constant curre 14 ~ 17V Shut down o/p	ent limiting, recent limiting, recent limiting, recent law 21V ovoltage with a	covers automa 23 ~ 27V auto-recovery c	tically after fau 28 ~ 34V or re-power on	It condition is re 34 ~ 38V to recovery	emoved 41 ~ 46V	47~53V	54 ~ 63V	59 ~ 65V
PROTECTION	SHORT CIRCUIT		Constant curre Constant curre 14 ~ 17V Shut down o/p Shut down o/p	ent limiting, recent limiting, recent limiting, recent 18 ~ 21V ovoltage with a prototoge, recont	covers automa 23 ~ 27V uto-recovery c vers automatic	tically after fau 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	SHORT CIRCUIT OVER VOLTAGE	TURE	Constant curre Constant curre 14 ~ 17V Shut down o/p Shut down o/p	ent limiting, recent limiting, recent limiting, recent 18 ~ 21V ovoltage with a prototoge, recont	covers automa 23 ~ 27V uto-recovery c vers automatic	tically after fau 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery	emoved 41 ~ 46V wn	47 ~ 53V	54 ~ 63V	59 ~ 65V
PROTECTION	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT	TURE	Constant curre Constant curre 14 ~ 17V Shut down o/p Shut down o/p	ent limiting, recent limiting, recent limiting, recent 18 ~ 21V o voltage with a voltage, recoverable.	covers automa 23 ~ 27V uto-recovery c vers automatic	tically after fau 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn	47~53V	54 ~ 63V	59 ~ 65V
	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP.	TURE P.	Constant curre Constant curre 14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C	ent limiting, recent limiting, recent limiting, recent 18 ~ 21V o voltage with a voltage, recoverable.	covers automatic 23 ~ 27V iuto-recovery covers automatic e refer to "OUT	tically after fau 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn	47 ~ 53V	54 ~ 63V	59 ~ 65V
	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM	TURE P. DITY	Constant curre Constant curre 14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C	ent limiting, recent limiting, recent limiting, recent 18 ~ 21V o voltage with a povoltage, recover +90°C (Please concordension)	covers automatic 23 ~ 27V iuto-recovery covers automatic e refer to "OUT	tically after fau 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn	47 ~ 53V	54 ~ 63V	59 ~ 65V
	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE	F. DITY , HUMIDITY	Constant curro Constant curro 14 ~ 17V Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	ent limiting, recent limiting, recent limiting, recent la ~ 21V o voltage with a voltage, recov +90°C (Please connecondensin lo ~ 95% RH	covers automatic 23 ~ 27V iuto-recovery covers automatic e refer to "OUT	tically after fau 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn	47 ~ 53V	54 ~ 63V	59 ~ 65V
	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	F. DITY , HUMIDITY	Constant curror Constant curror $14 \sim 17V$ Shut down o/p Shut down o/p Tcase= -40 \sim Tcase= +90°C $20 \sim 95\%$ RH $-40 \sim +80$ °C, $\pm 0.03\%$ /°C (ent limiting, recent limiting, recent limiting, recent law 21V ovoltage with a ovoltage, recoverage (Please Conon-condensin 10 ~ 95% RH 0 ~ 60°C)	covers automatic 23 ~ 27V auto-recovery covers automatic e refer to "OUT	ically after fau 28 ~ 34V 28 ~ 34V or re-power on ally after tempe	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn RE" section)	47 ~ 53V	54 ~ 63V	59 ~ 65V
	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE	FURE P. DITY , HUMIDITY ENT	Constant curre Constant curre $14 \sim 17V$ Shut down o/p Shut down o/p Tcase= -40 ~ Tcase= +90°C $20 \sim 95\%$ RH $-40 \sim +80°C$, ' $\pm 0.03\%$ /°C ($10 \sim 500$ Hz, 5 UL8750(type" IP65 or IP67;	ent limiting, recent li	covers automatics 23 ~ 27V auto-recovery covers automatics are refer to "OUT".	ically after fau 28 ~ 34V 28 ~ 34V 29 re-power on ally after temper PUT LOAD vs 22min. each alc 8;EN/AS/NZS 22ept for B,AB a	It condition is re 34 ~ 38V to recovery erature goes do	emoved 41 ~ 46V wn RE" section)	2-13 independe		
ENVIRONMENT	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE VIBRATION	P. DITY , HUMIDITY ENT	Constant curre Constant curre $14 \sim 17V$ Shut down o/p Shut down o/p Tcase= -40 \sim Tcase= +90°C $20 \sim 95\%$ RH $-40 \sim +80^{\circ}$ C, $($ $\pm 0.03\%$ /°C ($10 \sim 500$ Hz, 5 UL8750(type" IP65 or IP67; KC61347-2-1	ent limiting, recent li	covers automatical 23 ~ 27V auto-recovery covers automatical e refer to "OUT g	ically after fau 28 ~ 34V or re-power on ally after temper PUT LOAD ver "Zemin. each alc 8; EN/AS/NZS cept for B,AB ared	It condition is re 34 ~ 38V to recovery erature goes do ETEMPERATU ong X, Y, Z axes 61347-1,EN/AS and D-type), EA	emoved 41 ~ 46V wn RE" section)	2-13 independe		
	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA	FURE P. DITY , HUMIDITY ENT RDS TAGE	Constant curre Constant curre 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; KC61347-2-1 I/P-O/P:3.75h	ent limiting, recent li	covers automai 23 ~ 27V uuto-recovery covers automatic e refer to "OUT g le, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC O/	ically after fau 28 ~ 34V or re-power on ally after temper PUT LOAD vs 72min. each alc 8;EN/AS/NZS pet for B,AB a ed P-FG:1.5KVA	It condition is read at 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a	emoved 41 ~ 46V wn RE" section)	2-13 independe		
ENVIRONMENT SAFETY &	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE VIBRATION SAFETY STANDA	FURE P. DITY , HUMIDITY ENT RDS TAGE	Constant curre Constant curre 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; KC61347-2-1 I/P-O/P:3.75k I/P-O/P, I/P-F Compliance to	ent limiting, recent li	covers automai 23 ~ 27V uuto-recovery covers automatic e refer to "OUT g le, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC	repower on ally after temper on all afte	It condition is read at 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a	emoved 41 ~ 46V wn RE" section) 6 6 6/NZS 61347- AC TP TC 004	2-13 independe , KC61347-1,	ent;GB19510.1	
ENVIRONMENT SAFETY &	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESIS	FURE P. DITY , HUMIDITY ENT RDS TAGE	Constant curre Constant curre 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; KC61347-2-1 I/P-O/P:3.75k I/P-O/P, I/P-F Compliance to GB17743 and	ent limiting, recent li	covers automai 23 ~ 27V uuto-recovery covers automatic e refer to "OUT g le, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC	repower on ally after temper on all afte	It condition is read at 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a	emoved 41 ~ 46V wn RE" section) 6 6/NZS 61347- AC TP TC 004 lass C (@ load	2-13 independe , KC61347-1, d≥50%) ; EN6	ent;GB19510.1	,GB19510.1·
ENVIRONMENT SAFETY &	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESIS	FURE P. DITY , HUMIDITY ENT RDS TAGE	Constant curre Constant curre 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; KC61347-2-1 I/P-O/P:3.75k I/P-O/P, I/P-F Compliance to GB17743 and	ent limiting, recent li	covers automai 23 ~ 27V uuto-recovery covers automatic e refer to "OUT g le, period for 7 2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC	repower on ally after temper on all aft	It condition is re 34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axes 61347-1,EN/AS and D-type), EA C 70% RH N61000-3-2 C	emoved 41 ~ 46V wn RE" section) 6 6/NZS 61347- AC TP TC 004 lass C (@ load	2-13 independe, , KC61347-1, d≥50%); EN6	ent;GB19510.1	,GB19510.1·
ENVIRONMENT SAFETY &	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESIS EMC EMISSION EMC IMMUNITY MTBF	FURE P. DITY , HUMIDITY ENT RDS TAGE	Constant curre Constant curre 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; KC61347-2-1 I/P-O/P:3.75h I/P-O/P, I/P-F Compliance to gB17743 and Compliance to I	ent limiting, recent li	23 ~ 27V utto-recovery of vers automatic e refer to "OUT g le, period for 7 .2 No. 250.0-0 1347-2-13(exc) 0-type) approv 3:2KVAC	repower on ally after temper on all aft	It condition is re 34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axes 61347-1,EN/AS and D-type), EA C 70% RH N61000-3-2 C	emoved 41 ~ 46V wn RE" section) 6 6 6 6 C TP TC 004 lass C (@ load	2-13 independe, , KC61347-1, d≥50%); EN6	ent;GB19510.1	,GB19510.1
ENVIRONMENT SAFETY & EMC	SHORT CIRCUIT OVER VOLTAGE OVER TEMPERAT WORKING TEMP. MAX. CASE TEM WORKING HUMID STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESIS EMC EMISSION EMC IMMUNITY	FURE P. DITY , HUMIDITY ENT RDS TAGE	Constant curre Constant curre 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; KC61347-2-1 I/P-O/P:3.75h I/P-O/P, I/P-F Compliance to I 757.2K hrs mi 228*68*38.8m	ent limiting, recent li	covers automai 23 ~ 27V into-recovery of vers automatic e refer to "OUT g le, period for 7 .2 No. 250.0-0 1347-2-13(exc 0-type) approv 3:2KVAC O/ 0M Ohms / 50 155032 (CISPR AC TP TC 020 4,5,6,8,11, EN61 SR-332 (Bello	repower on ally after temper on all aft	It condition is re 34 ~ 38V to recovery erature goes do s TEMPERATU ong X, Y, Z axes 61347-1,EN/AS and D-type), EA C 70% RH N61000-3-2 C	emoved 41 ~ 46V wn RE" section) 6 6 6 6 C TP TC 004 lass C (@ load	2-13 independe, , KC61347-1, d≥50%); EN6	ent;GB19510.1	,GB19510.1

- 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

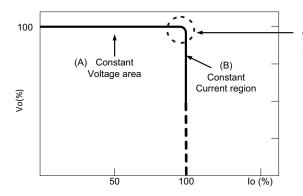
■ BLOCK DIAGRAM

Fosc: 100KHz



■ DRIVING METHODS OF LED MODULE

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.

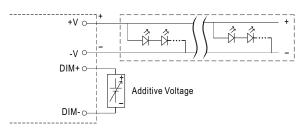


■ DIMMING OPERATION



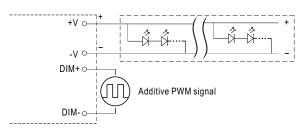
imes 3 in 1 dimming function (for B/AB-Type)

- 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



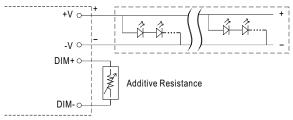
"DO NOT connect "DIM- to -V"

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

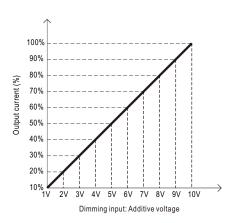


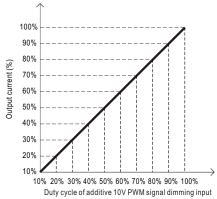
"DO NOT connect "DIM- to -V"

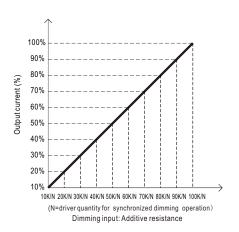
Applying additive resistance:



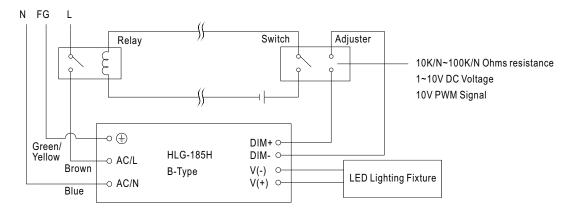
"DO NOT connect "DIM- to -V"





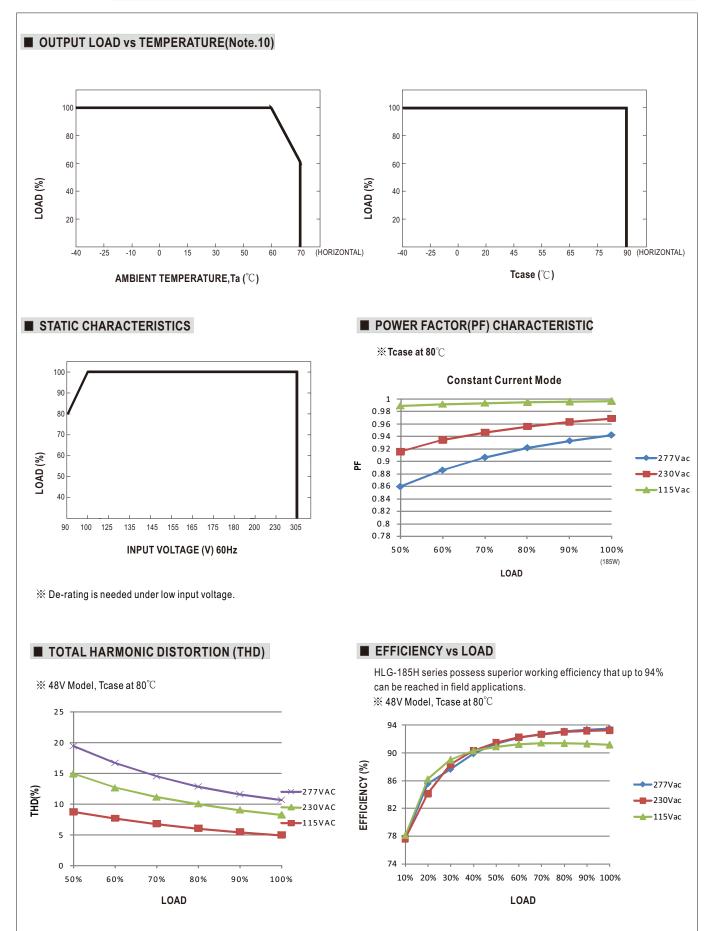


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



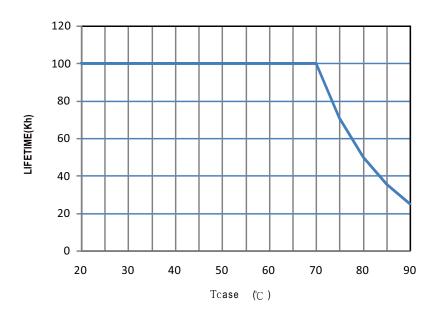
Using a switch and relay can turn ON/OFF the lighting fixture.



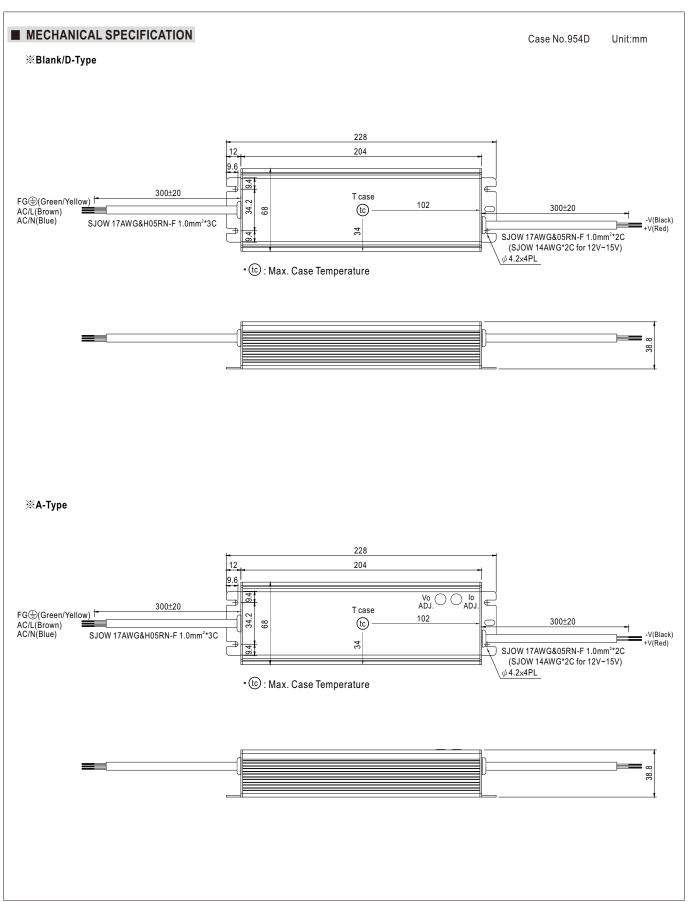




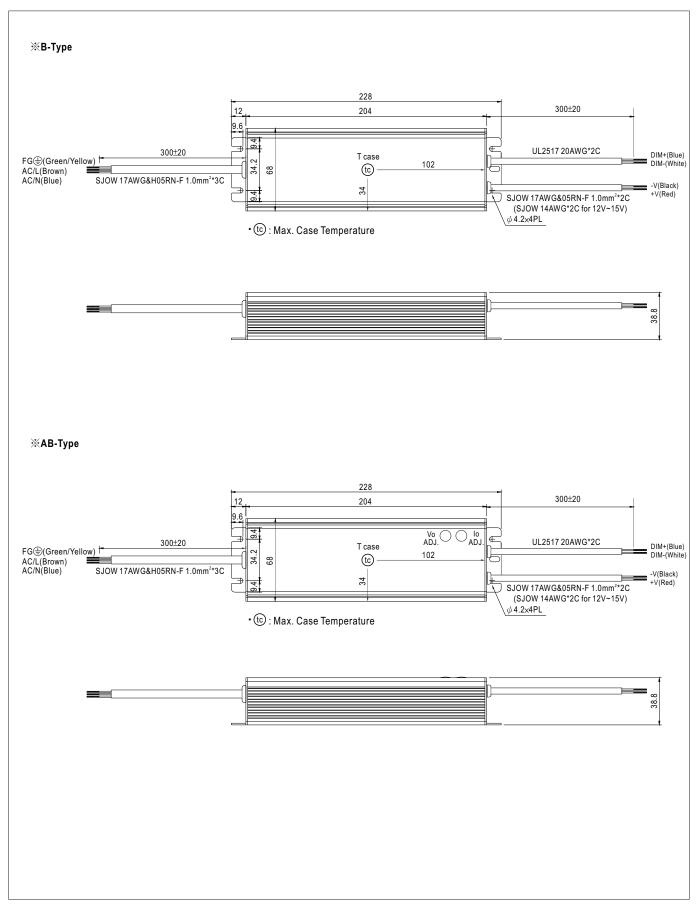
■ LIFE TIME









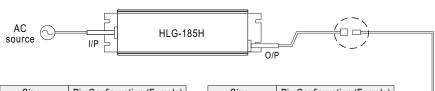




■ WATERPROOF CONNECTION

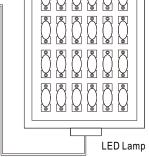
X Waterproof connector

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

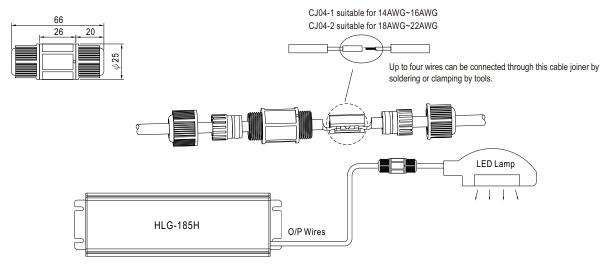


Size	Pin Configuration (Female)			
M12	000	000		
IVIIZ	4-PIN	5-PIN		
	5A/PIN	5A/PIN		
Order No.	M12-04	M12-05		
Suitable Current	10A max.	10A max.		

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

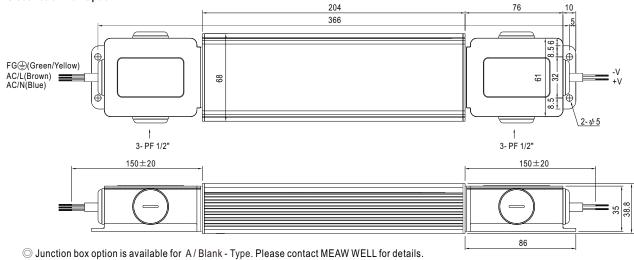


※ Cable Joiner



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

X Junction Box Option



■ INSTALLATION MANUAL

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