































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.

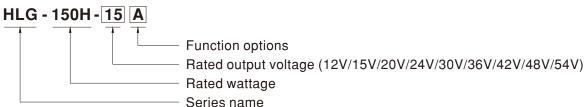
GTIN CODE

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

Description

HLG-150H series is a 150W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-150H 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-150H 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



SPECIFICATION

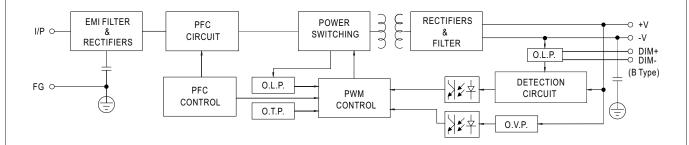
		HLG-150H-12	HLG-150H-15	HLG-150H-20	HLG-150H-24	HLG-150H-30	HLG-150H-36	HLG-150H-42	HLG-150H-48	HLG-150H-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
OUTPUT	CONSTANT CURRENT REGION Note.4	6 ~12V	7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V
	RATED CURRENT	12.5A	10A	7.5A	6.3A	5A	4.2A	3.6A	3.2A	2.8A
	RATED POWER	150W	150W	150W	151.2W	150W	151.2W	151.2W	153.6W	151.2W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE AD L DANGE	Adjustable for A/AB-Type only (via built-in potentiometer)								
	VOLTAGE ADJ. RANGE	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
		Adjustable for	r A/AB-Type o	nly (via built-ir	potentiomete	er)		-		
	CURRENT ADJ. RANGE	7.5 ~ 12.5A	6 ~ 10A	4.5 ~ 7.5A	3.8 ~ 6.3A	3 ~ 5A	2.5 ~ 4.2A	2.16 ~ 3.6A	1.92 ~ 3.2A	1.68 ~ 2.8
	VOLTAGE TOLERANCE Note.3	±2.5%	±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 REGULATION	±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
		1000ms,200n		500ms,200ms						
	HOLD UP TIME (Typ.)	16ms / 115VA		0001110,2001110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	TIOLD OF TIME (Typ.)	90 ~ 305VAC	127 ~ 431	IVDC						
	VOLTAGE RANGE Note.5				IC" section)					
	FREQUENCY RANGE	(Please refer to "STATIC CHARACTERISTIC" section) 47 ~ 63Hz								
ŀ	FREQUENCTRANGE		\/\C DE>0.0	5/230VAC, PF	>0.02/277\/\	C @ full load				
	POWER FACTOR (Typ.)					•				
H		,		CTOR (PF) CH		iC" section) ≧75% / 277VA	0)			
	TOTAL HARMONIC DISTORTION	, ,	_	,	, 0		()			
	EFFICIENCY (T)			RMONIC DIS	1		00 50/	0.40/	0.40/	0.40/
	EFFICIENCY (Typ.)	91.5%	92%	93%	93%	93.5%	93.5%	94%	94%	94%
	AC CURRENT (Typ.)	1.7A / 115VAC			0.7A / 277VAC					
	INRUSH CURRENT (Typ.)	COLD START	65A(twidth=425	μs measured a	t 50% Ipeak) at 2	230VAC; Per NE	:MA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA / 277VAC								
	OVED CURRENT	95 ~ 108%								
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed								
PROTECTION		14 ~ 17V	18 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE	Shut down o/p	voltage with a	auto-recovery o	or re-nower on	to recovery			-	
	OVER TEMPERATURE Note.9	Shut down o/p	Shut down o/p voltage with auto-recovery or re-power on to recovery Shut down o/p voltage, recovers automatically after temperature goes down							
			voltage, reco		·		own			
i i	WORKING TEMP	·		vers automatic	ally after temp	erature goes do				
	WORKING TEMP.	Tcase= -40 ~	+90°C (Pleas	vers automatic	ally after temp					
	MAX. CASE TEMP.	Tcase= -40 ~	+90°C (Pleas	vers automatic e refer to "OU"	ally after temp	erature goes do				
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	+90°C (Please	vers automatic e refer to "OU"	ally after temp	erature goes do				
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C,	+90°C (Please c) non-condensir 10 ~ 95% RH	vers automatic e refer to "OU"	ally after temp	erature goes do				
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (+90°C (Please control (Please non-condensir 10 ~ 95% RH 0 ~ 60°C)	vers automatic e refer to "OU"	ally after temp	erature goes do s TEMPERATU	RE" section)			
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5	+90°C (Pleasing Plants) non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc	vers automatic e refer to "OU" ng	ally after temp TPUT LOAD vi	erature goes do s TEMPERATU	RE" section)			
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type"	+90°C (Please Conon-condensing 10 ~ 95% RH 00 ~ 60°C) G 12min./1cyc	vers automatic e refer to "OU" ng	ally after temp TPUT LOAD vi	erature goes do s TEMPERATU ong X, Y, Z axes 347-1, BS EN/E	RE" section)		7-1(except for A	
ENVIRONMENT	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2-	+90°C (Pleasi Connon-condensin 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for A	vers automatic e refer to "OU" ng ele, period for 7 .2 No. 250.0-08 NB-type) indep	ally after temp TPUT LOAD vi 72min. each al 8; BS EN/EN 61 endent; GB195	erature goes do s TEMPERATU ong X, Y, Z axes 347-1, BS EN/E 10.1,GB19510.	RE" section) s EN 61347-2-13 14(except for E	-type);IP65 or	IP67; J61347-1	1, J61347-2-
	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2- (except for D-	+90°C (Please connon-condensing 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for Atype),BIS Is156	vers automatic e refer to "OU" 19 19 20 20 20 10 20 10 20 10 20 10 10 10 10 10 10 10 10 10 1	ally after temp TPUT LOAD vi 72min. each al 3; BS EN/EN 61 endent; GB195 e only), EAC Ti	erature goes do s TEMPERATU ong X, Y, Z axes 1347-1, BS EN/E 10.1, GB19510. PTC 004; KC61	RE" section) s EN 61347-2-13 14(except for E	-type);IP65 or		1, J61347-2-
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ' ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2- (except for D- I/P-O/P:3.75l	+90°C (Please connon-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for A type),BIS Is158 (VAC I/P-F6	vers automatic e refer to "OU" 19 19 19 19 10 19 10 19 10 19 10 10 10 10 10 10 10 10 10 10 10 10 10	ally after temp TPUT LOAD vi 72min. each al 8; BS EN/EN 61 endent; GB195 e only), EAC TI /P-FG:1.5KVA	erature goes do s TEMPERATU ong X, Y, Z axes 347-1, BS EN/E 10.1, GB19510. P TC 004; KC61	RE" section) s EN 61347-2-13 14(except for E	-type);IP65 or	IP67; J61347-1	1, J61347-2-
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2- (except for D- I/P-O/P:3.75I I/P-O/P, I/P-F	+90°C (Please connon-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for A type),BIS Is158 KVAC I/P-Ft G, O/P-FG:10	vers automatic e refer to "OU" 19 19 19 19 20 10 10 10 10 10 10 10 10 10 1	72min. each al 8; BS EN/EN 61 endent; GB195 e only), EAC TI /P-FG:1.5KVA	ong X, Y, Z axes 347-1, BS EN/E 10.1,GB19510. P TC 004; KC61	RE" section) S EN 61347-2-13 14(except for E 347-1,KC6134	0-type);IP65 or 7-2-13(except	IP67; J61347-1 for D-type) appr	1, J61347-2- roved
ENVIRONMENT SAFETY & EMC	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2- (except for D- I/P-O/P;3.75I I/P-O/P, I/P-F Compliance to	+90°C (Please connon-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for A type),BIS Is158 KVAC I/P-FG G O/P-FG:10 B S EN/EN55	vers automatic e refer to "OU" 19 19 19 2 No. 250.0-08 AB-type) indep 885 (for A, B typ 3:2KVAC O 10M Ohms / 50 0015, BS EN/EN	72min. each al 8; BS EN/EN 61 endent; GB195 e only), EAC TI /P-FG:1.5KVA	ong X, Y, Z axes 347-1, BS EN/E 10.1,GB19510. P TC 004; KC61	RE" section) S EN 61347-2-13 14(except for E 347-1,KC6134	7-2-13(except 0-3-2 Class C	IP67; J61347-1 for D-type) appr	1, J61347-2- roved
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2-(except for D- I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to	+90°C (Please) non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 .13(except for A type),BIS Is158 KVAC I/P-F(G, O/P-FG:10 b BS EN/EN55 100-3-3,GB/T 1 b BS EN/EN61	vers automatic e refer to "OU" 19 19 19 2 No. 250.0-08 AB-type) indep 885 (for A, B typ 3:2KVAC O 10M Ohms / 50 1015, BS EN/EN 17743 , GB176 1000-4-2,3,4,5,1	72min. each all 8; BS EN/EN 61 endent; GB195 e only), EAC TI /P-FG:1.5KVA 10VDC / 25°C / N55032 (CISPF 25.1(except fo 6,8,11, BS EN/	ong X, Y, Z axes 347-1, BS EN/E 10.1,GB19510. P TC 004; KC61 CC 70% RH R32) Class B, B r D-type), EAC	RE" section) SEN 61347-2-13 14(except for E 347-1,KC6134 SEN/EN6100 TP TC 020, KS EN/EN55024, Ji	0-type);IP65 or 7-2-13(except 0-3-2 Class C C 9815(excep	IP67; J61347-1 for D-type) appr	1, J61347-2- roved
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ' ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2-(except for D- I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to Line-Earth 4K	+90°C (Please) non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for A type),BIS Is158 VAC I/P-F(G, O/P-FG:10 D BS EN/EN55 100-3-3,GB/T 1 D BS EN/EN61 V, Line-Line 2	vers automatic e refer to "OU" 19 19 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 10 No.	72min. each al 8; BS EN/EN 61 endent; GB195 e only), EAC TI /P-FG:1.5KVA 10VDC / 25°C/ N55032 (CISPP 25.1(except fo 6,8,11, BS EN/C 020, KSC 95	ong X, Y, Z axes 1347-1, BS EN/E 10.1, GB19510. P TC 004; KC61 IC 70% RH R32) Class B, B r D-type), EAC EN61547, BS E	RE" section) S EN 61347-2-13 14(except for E 347-1,KC6134 S EN/EN6100 TP TC 020, KS EN/EN55024, li	0-type);IP65 or 7-2-13(except 0-3-2 Class C IC 9815(excep ght industry le	IP67; J61347-1 for D-type) appr (@ load≧60% t for D-type)	1, J61347-2- roved
SAFETY &	MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +80°C, ' ±0.03%/°C (10 ~ 500Hz, 5 UL8750(type" NZS 61347-2-(except for D- I/P-O/P:3.75I I/P-O/P, I/P-F Compliance to BS EN/EN610 Compliance to Line-Earth 4K	+90°C (Please non-condensir 10 ~ 95% RH 0 ~ 60°C) G 12min./1cyc HL"), CSA C22 13(except for A type),BIS Is156 VVAC I/P-F0 G, O/P-FG:10 DBS EN/EN55 100-3-3,GB/T 1 DBS EN/EN61 V, Line-Line 24 min. Telcord	vers automatic e refer to "OU" 19 19 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 2 No. 250.0-08 10 No.	72min. each al 8; BS EN/EN 61 endent; GB195 e only), EAC TI /P-FG:1.5KVA 10VDC / 25°C/ N55032 (CISPP 25.1(except fo 6,8,11, BS EN/C 020, KSC 95	ong X, Y, Z axes 347-1, BS EN/E 10.1, GB19510. P TC 004; KC61 CC 70% RH R32) Class B, B r D-type), EAC EN61547, BS E 47(except for D	RE" section) S EN 61347-2-13 14(except for E 347-1,KC6134 S EN/EN6100 TP TC 020, KS EN/EN55024, li	0-type);IP65 or 7-2-13(except 0-3-2 Class C IC 9815(excep ght industry le	IP67; J61347-1 for D-type) appr (@ load≧60% t for D-type)	1, J61347-2- roved

- 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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 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. For OTP which triggered at light load/no load condition, proceed AC repower on to recovery.

 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 80°C or less.
- 11. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.
- 12. 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).
- 13. 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
- 14. For A/AB type need to consider build in using to comply with Type HL application.
- 15. Products sourced from the Americas regions may only have the UL, CE and UKCA logos. Please contact your MEAN WELL sales for more information.
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

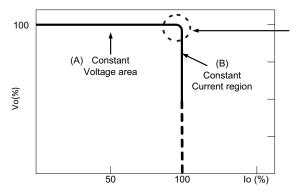
■ BLOCK DIAGRAM

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.

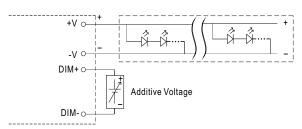


■ DIMMING OPERATION



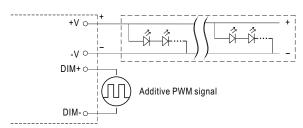
imes 3 in 1 dimming function (for B/AB-Type)

- 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.)
- \bigcirc Applying additive 1 ~ 10VDC



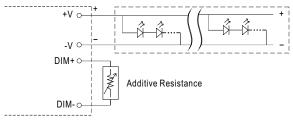
"DO NOT connect "DIM- to -V"

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

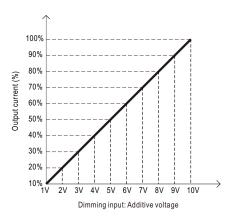


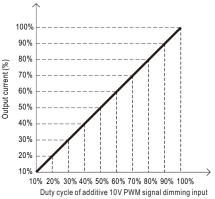
"DO NOT connect "DIM- to -V"

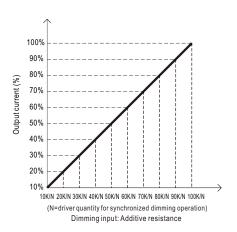
Applying additive resistance:



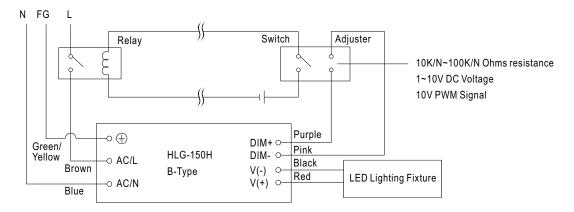
"DO NOT connect "DIM- to -V"





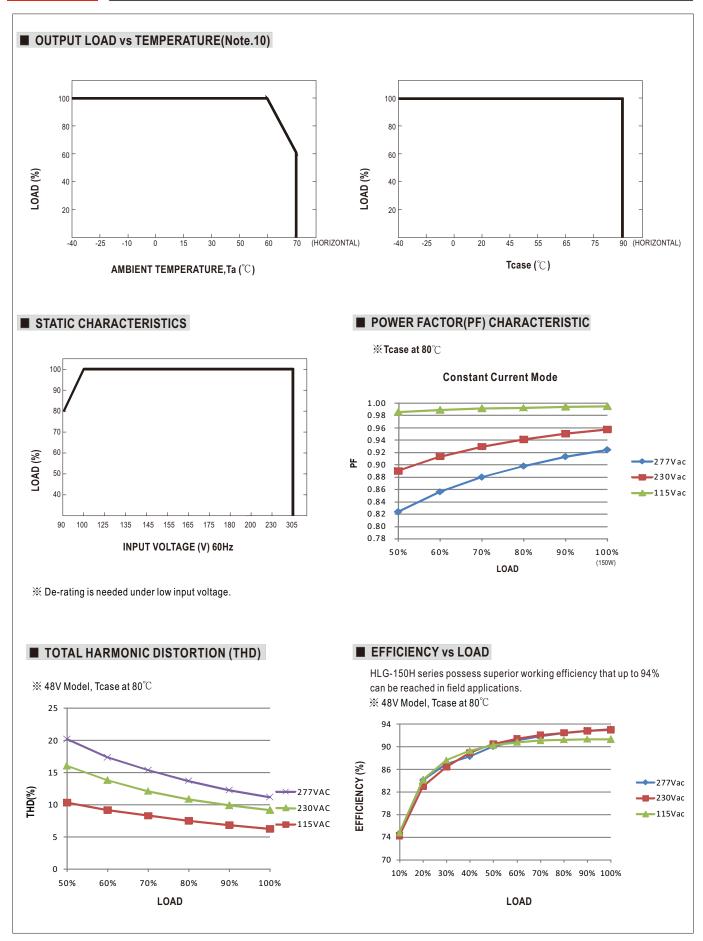


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



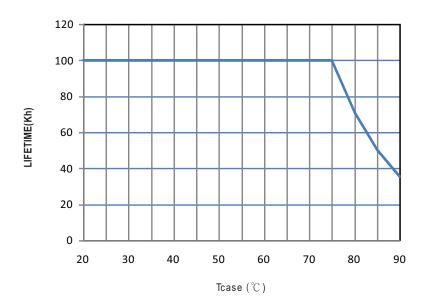
Using a switch and relay can turn ON/OFF the lighting fixture.



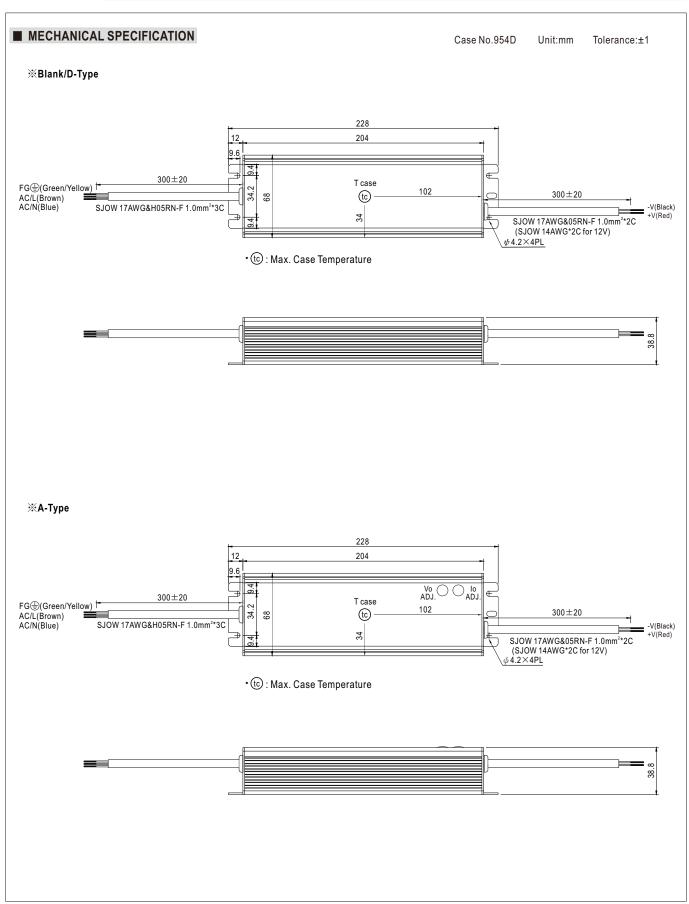




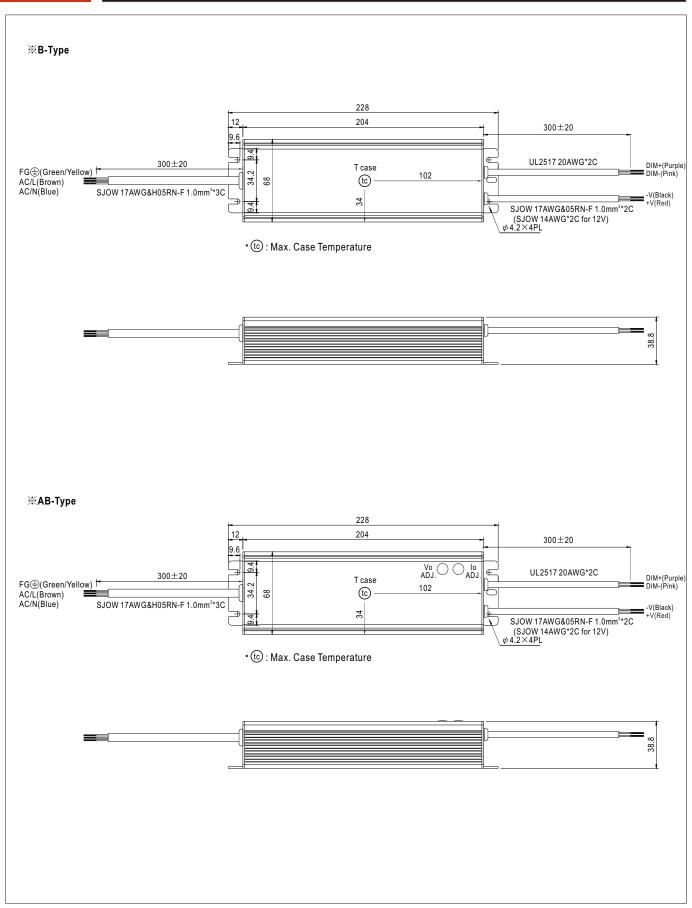
■ LIFE TIME









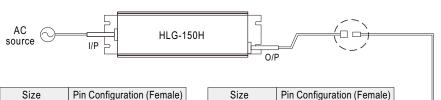




■ WATERPROOF CONNECTION

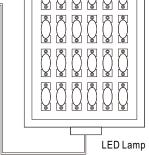
X Waterproof connector

 $Waterproof connector \ can be assembled \ on \ the \ output \ cable \ of \ HLG-150H \ to \ operate \ in \ dry/wet/damp \ or \ outdoor \ environment.$

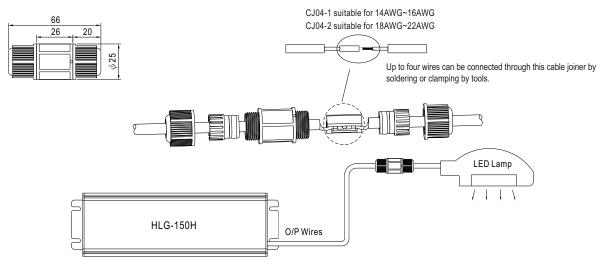


Size	Pin Configuration (Female)				
M12	000	000			
IVIIZ	4-PIN	5-PIN			
	5A/PIN	5A/PIN			
Order No.	M12-04	M12-05			
Suitable Current	10A max.	10A max.			

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

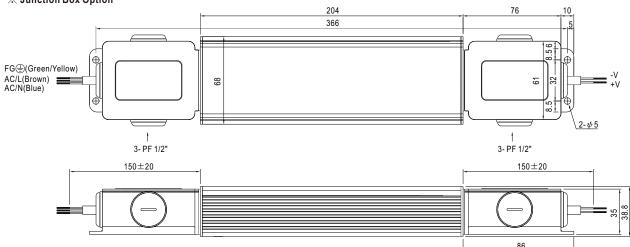


※ Cable Joiner



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

X Junction Box Option



 $\bigcirc \ \, {\sf Junction\ box\ option\ is\ available\ for\ A/Blank-Type.\ Please\ contact\ MEAW\ WELL\ for\ details.}$

■ INSTALLATION MANUAL

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