







Features

- · Constant Voltage + Constant Current mode output
- Metal housing with class I design
- · Built-in active PFC function
- · Class 2 power unit
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

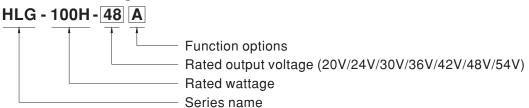
Applications

- 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-100H series is a 100W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-100H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 20V and 54V. Thanks to the high efficiency up to 93%, 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-100H 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
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

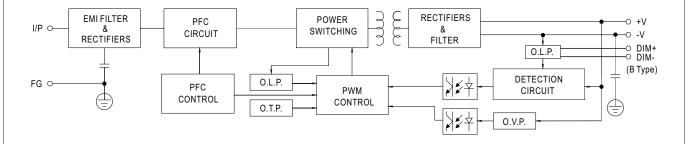


SPECIFICATION

CURRENT ADJ. RANGE A 2.5 3.4 2.5 3.2 1.65 - 2.85	MODEL		HLG-100H-20	HLG-100H-24	HLG-100H-30	HLG-100H-36	HLG-100H-42	HLG-100H-48	HLG-100H-54		
NaTED CURRENT 4.5 A 4.5 A 3.2 A 2.5 A 2.5 A 2.2 A 2.7 A 1.77 A		DC VOLTAGE	20V	24V	30V	36V	42V	48V	54V		
RATED FOWER 99W 99W 99W 95W 95 AVW		CONSTANT CURRENT REGION Note.4	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V		
RATED FOWER 99W 99W 99W 95W 95 AVW		RATED CURRENT	4.8A	4A	3.2A	2.65A	2.28A	2A	1.77A		
NPPLE											
VOLTAGE ADJ. RAMGE Adjustable for A-Type only (via ball-in potentiaments)											
VOLTAGE ADJ. RANGE 17 - 227 22 - 277 27 - 237 33 - 407 34 - 407 34 - 537 40 - 587		MITTEL & NOIDE (IIIAX.) Note.2					200111 γ ρ-ρ	2001117 p-p	200πνρ-ρ		
Adjustable for A-Type colly (vid autilish potentioners)		VOLTAGE ADJ. RANGE	_				20 - 46\/	40 501/	40 501/		
CURRENT ADJ. RANGE 3-48.A 25-40. 1-10% 1-10	OUTPUT						38 ~ 46 V	43 ~ 53V	49 ~ 58V		
VOLTAGE TOLERANCE Notes ±1.0%		CURRENT ADJ. RANGE		,, ,,	_ '		1	1	1		
LINE REGULATION											
LOAD RECULATION		VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
SETUP. RISETIME Note 1200m. \$00m.\$ (0mm.\$ (0mm.\$ (15VAC_20)VAC		LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
MOLD UP TIME (Typ.) 16ms / 115VAC, 230VAC 20 − 305VAC 27 − 431VDC (Please refer to "\$171C CHARACTERISTIC" section) FREQUENCY RANGE PG = 58115 MAC, P = 20.95/230VAC, P = 20.93/27VAC @ full load Please refer to "\$73TIC CHARACTERISTIC" section) PG = 20.98115 MAC, P = 20.95/230VAC, P = 20.93/27VAC @ full load Please refer to "\$73TIC CHARACTERISTIC" section) THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACTERISTIC" section) THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACTERISTIC" section) THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACTERISTIC" section) THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACTERISTIC" section) THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACON CHARACTERISTIC" section) THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACON CHARACTERISTIC" section THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≈ 75% / 277VAC Please refer to "\$73TIA CHARACTERISTIC" section THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≥ 75% / 277VAC Please refer to "\$73TIA CHARACTERISTIC" section THO + 2.05 K @ load ≥ 60% / 115VAC, 230VAC, @ load ≥ 60% / 115VAC, 230VAC Please refer to "\$73TIA CHARACTERISTIC" section Please refer to "\$73TIA		LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
VOLTAGE RANCE		SETUP, RISE TIME Note.6	1200ms,50ms/11	5VAC 500ms,50	0ms/230VAC						
VOLTAGE RANGE PREQUENCY RANGE PREQUENCY RANGE PREQUENCY RANGE 47 – 63Hz		HOLD UP TIME (Typ.)	16ms / 115VAC, 2	30VAC							
VOLTAGE RANGE PREQUENCY RANGE PREQUENCY RANGE PREQUENCY RANGE 47 – 63Hz		()1 /									
POWER FACTOR (Typ.)		VOLTAGE RANGE Note.5									
POWER FACTOR (Typ.)		EDECUENCY DANCE									
POWER RACTOR (Typ.) (Please refer to "POWER FACTOR (PF) ChARACTERISTIC" section)		FREQUENCY RANGE									
Protection Pr		POWER FACTOR (Typ.)									
TOTAL HARMONIC DISTORTION (Please refer to *TOTAL HARMONIC DISTORTION (THD)* section)		, , ,									
PROTECTION Circuit Constant current limiting, recovers automatically after fault condition is removed		TOTAL HARMONIC DISTORTION	THD< 20% (@ load≥60% / 115VAC,230VAC; @ load≥75% / 277VAC)								
AC CURRENT (Typ.) 1.2A/115VAC 0.55A/230VAC 0.5A/277VAC	INPUT	TO THE THE WAR AND THE PROPERTY OF THE PROPERT	(Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)								
INRUSH CURRENT (Typ.) MAX. No. of PSUs on 16A cIRCUIT BREAKER LEAKAGE CURRENT 4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC WERT CURRENT 95 - 106% Constant current limiting, recovers automatically after fault condition is removed SHORT CIRCUIT Constant current limiting, recovers automatically after fault condition is removed SHORT CIRCUIT OVER VOLTAGE 32 - 27V 28 - 34V 34 - 38V 41 - 46V 47 - 53V 54 - 63V 59 - 65V Shut down of p voltage with auth-recovery or re-power on to recovery OVER TEMPERATURE Shut down of p voltage, recovers automatically after fault condition is removed WORKING TEMP. MAX. CASE TEMP. WORKING TEMP. Toase= -40 - +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) WORKING HUMIDITY 20 - 95% RH non-condensing STORAGE TEMP, HUMIDITY 40 - +80°C, 10 - 95% RH TOASE - +90°C VIBRATION 10 - 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type*HL*), CSAC222 No. 250 -09; TUV EN6147-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1,		EFFICIENCY (Typ.)	93%	93%	93%	93%	93%	93%	93%		
INRUSH CURRENT (Typ.) MAX. No. of PSUs on 16A cIRCUIT BREAKER LEAKAGE CURRENT 4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC WERT CURRENT 95 - 106% Constant current limiting, recovers automatically after fault condition is removed SHORT CIRCUIT Constant current limiting, recovers automatically after fault condition is removed SHORT CIRCUIT OVER VOLTAGE 32 - 27V 28 - 34V 34 - 38V 41 - 46V 47 - 53V 54 - 63V 59 - 65V Shut down of p voltage with auth-recovery or re-power on to recovery OVER TEMPERATURE Shut down of p voltage, recovers automatically after fault condition is removed WORKING TEMP. MAX. CASE TEMP. WORKING TEMP. Toase= -40 - +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) WORKING HUMIDITY 20 - 95% RH non-condensing STORAGE TEMP, HUMIDITY 40 - +80°C, 10 - 95% RH TOASE - +90°C VIBRATION 10 - 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type*HL*), CSAC222 No. 250 -09; TUV EN6147-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1, J61347-2-13 approved a sign refer to UL80950-1, TUV EN60950-1 UR750(Type*HL*), CSAC222 No. 250 -09; TUV EN61347-1, EN61347-2-13 independent; IP85 or IP67, J61347-1,		AC CURRENT (Typ.)	1.2A / 115VAC	0.55A / 230VAC	0.5A / 277VA	.C					
MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT			COLD START 60A	A(twidth=415µs meas	sured at 50% Ipeak) a	at 230VAC; Per NEN	1A 410				
LEAKAGE CURRENT		MAX. No. of PSUs on 16A									
PROTECTION SHORT CIRCUIT Constant current limiting, recovers automatically after fault condition is removed SHORT CIRCUIT Constant current limiting, recovers automatically after fault condition is removed 23 - 27V 28 - 34V 34 - 38V 41 - 46V 47 - 53V 54 - 63V 59 - 65V Shut down of p voltage with auto-recovery or re-power on to recovery OVER TEMPERATURE Shut down of p voltage, recovers automatically after temperature goes down WORKING TEMP. Toasse - 40 - +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. TOASSE - 40 - +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. WORKING HUMIDITY 20 - 95% RH non-condensing STORAGE TEMP, HUMIDITY 40 - +80°C, 10 - 95% RH TEMP. COEFFICIENT 10, 35%°C (0 - 60°C) VIBRATION 10 - 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type*HL*), CSA C22 2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1. TUV EN60950-1 WITHSTAND VOLTAGE IP-0/P:3.75KVAC IP-FG:2KVAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE IP-0/P:3.75KVAC IP-FG:2KVAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE IP-0/P:3.75KVAC IP-FG:2KVAC 0/P-FG:1.5KVAC IP-0/P:1.75KVAC IP-FG:2KVAC 0/P-FG:1.5KVAC IP-0/P:3.75KVAC IP-FG:2KVAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE ISOLATION RESISTA											
OVER CURRENT Constant current limiting, recovers automatically after fault condition is removed SHORT CIRCUIT OCEN TAGE 23 - 27V 28 - 34V 34 - 38V 34 - 38V 41 - 46V 47 - 53V 54 - 63V 59 - 65V Shut down of pvoltage with auto-recovery or re-power on to recovery WORKING TEMP. MAX. CASE TEMP. TCasse - 40 - +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. WORKING HUMIDITY 20 - 95% RH non-condensing STORAGE TEMP, HUMIDITY 40 - +80°C, 10 - 95% RH TEMP. COEFFICIENT 40 - 180°C, 10 - 95% RH 40 - 180°C,		LEAKAGE CURRENT	<0.75mA/277VAC								
SHORT CIRCUIT Constant current limiting, recovers automatically after fault condition is removed OVER YOLTAGE OVER YOLTAGE Shut down o/p voltage with auto-recovery or re-power on to recovery OVER TEMPERATURE Shut down o/p voltage, recovers automatically after fault condition is removed WORKING TEMP. Toase= 40 → 99°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. WORKING TEMP. Toase= 40 → 99°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP, HUMIDITY 10 → 95% RH TEMP. COEFFICIENT 10 → 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type*HL*), CSAC22.2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE IP-O/P; J7F6, 2/PCAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE IP-O/P; J7F6, 2/PCAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE IP-O/P; J7F6, 2/PCAC 0/P-FG:1.5KVAC IP-O/P; J7F6, 2/PCAC 0/P-FG:1.5KVAC IMBER 192.2K hrs min. MIL+IDBK-2/T7F(25°C) DIMENSION 20068738 8mm (L*W+H) PACKING 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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 250WHz of bandwidth by using a 12* twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 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. Th		OVER CURRENT	95 ~ 106%								
OVER VOLTAGE 23 ~ 27V 28 ~ 34V 34 ~ 38V 41 ~ 46V 47 ~ 53V 54 ~ 63V 59 ~ 65V		OVER CORRENT	Constant current limiting, recovers automatically after fault condition is removed								
OVER VOLTAGE 23 ~ 27V 28 ~ 34V 34 ~ 38V 41 ~ 46V 47 ~ 53V 54 ~ 63V 59 ~ 65V		SHORT CIRCUIT									
SNIL down o/p voltage with auto-recovery of re-power on to recovery OVER TEMPERATURE Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. Tcase= +0°C MAX. CASE TEMP. Tcase= +9°C WORKING HUMIDITY 20 - 95% RH non-condensing STORAGE TEMP., HUMIDITY 10 - 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes L8750(type*HL*), CSA C22.2 No. 250.0-88; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approve design refer to UL60950-1, TUV EN69950-1 WITHSTAND VOLTAGE WITHSTAND VOLTAGE I/P-O/P: 3.75KVAC I/P-FG: 12KVAC	PROTECTION							54 ~ 63V	59 ~ 65V		
OVER TEMPERATURE Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. Tcase= 40° C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. WORKING HUMIDITY 20 − 95% RH non-condensing TORAGE TEMP, HUMIDITY 40 − 480°C, 10 − 95% RH TEMP. COEFFICIENT ±0.03%°C (0 − 60°C) VIBRATION 10 − 500H±, 56 12min / 1cycle, period for 72min, each along X, Y, Z axes UR570(type*HL*), CSA C22.2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-0/P; 3.75KVAC I/P-FG; 2KVAC 0/P-FG; 1.5KVAC ISOLATION RESISTANCE I/P-0/P, I/P-FG, 0/P-FG; 100M Ohms / 500VDC / 25°C/ 70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥60%); EN61000-3-3 EMC IMMUNITY Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2, 3.4, 5.6, 8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF DIMENSION 220°68'38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12° twisted pair-wire terminated with a 0.1 uf & 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 requality EMC Directiv		OVER VOLTAGE	Shut down o/p vo	Itage with auto-reco	overv or re-power o	n to recovery	•	<u>'</u>	-		
WORKING TEMP. Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section) MAX. CASE TEMP. Tcase= +90°C WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY 40 ~ +80°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 60°C) VIBRATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type*IH-¹), CSA C22 Z No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approve design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:ZKVAC O/P-FG:1.5KVAC ISOLATION RESISTANCE I/P-O/P; J7-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH EMC EMISSION Note.8 Compliance to EN61000-4-2, 3.4, 5.6, 8, 11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220°88*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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 "DRIVINIG 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 ONOFF 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 and equipment manufacturers must re-qualify EMC Directive complete installation again. 8. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driv		OVED TEMPEDATURE									
MAX. CASE TEMP. Toase = +90°C WORKING HUMIDITY 20 ~ 95% RH non-condensing STORAGE TEMP., HUMIDITY 40 ~ 480°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 60°C) VIBRATION 10 ~ 500Hz, 56 12min/1cycle, period for 72min. each along X, Y, Z axes SAFETY STANDARDS Note.8 WITHSTAND VOLTAGE IP-0/P; 3/5KVAC I/P-FG:2KVAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE IP-0/P; 3/5KVAC I/P-FG:2KVAC 0/P-FG:1.5KVAC ISOLATION RESISTANCE IP-0/P; I/P-FG, 0/P-FG:10M 0 None / 500VDC / 25°C / 70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load≥60%); EN61000-3-3 EMC IMMUNITY Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load≥60%); EN61000-3-3 EMC IMMUNITY Compliance to EN51000 -42,34,5.6,8.11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 2016*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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 ONOFF 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. To fulfill requirements of the latest ErP											
WORKING HUMIDITY 20 ~ 95% RH non-condensing \$TORAGE TEMP., HUMIDITY 40 ~ +80°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 60°C) VIBRATION 10 - 500Hz, 56 12min./1cycle, period for 72min. each along X, Y, Z axes SAFETY \$SAFETY \$ UL8750(Hype*HL*), CSA C22.2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approving significant of the latest EPC BMC BISION Note.8 EMC BISION Note.8 Compliance to EN55015, EN55022 (CISPR2) Class B, EN61000-3-2 Class C (@ load ≥ 60%); EN61000-3-3 EMC IMMUNITY Compliance to EN55015, EN55022 (CISPR2) Class B, EN61000-3-2 Class C (@ load ≥ 60%); EN61000-3-3 EMC IMMUNITY Compliance to EN561000-4-2,3.4,5.6,8.11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF			,								
TEMP. COEFFICIENT ±0.03%/°C (0 ~ 60 °C) VIBRATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes SAFETY \$\frac{8}{2}\$ UL8750(type*HL). CSA C22.2 No. 250098; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P. JP-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC ISOLATION RESISTANCE I/P-O/P. JP-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14 4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected											
STORAGE TEMP., HUMIDITY 40 ~ +80 C., 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/°C (0 ~ 60 °C) VIBRATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes SAFETY STANDARDS Nots.8 SAFETY STANDARDS Nots.8 UL8750(type"HL"), CSA C22.2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P: 3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC IMP-O/P. I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Nots.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥ 60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2.3,4,5.6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 of & 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind	ENVIRONMENT		-								
VIBRATION 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), CSA C22.2 No. 250.0-08; TUV EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P:3.75KVAC /IP-FG:2KVAC /IP-FG:1.5KVAC I/P-O/P: J7-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥ 60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KM MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220°68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(G819510.14, G819510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase,		STORAGE TEMP., HUMIDITY									
SAFETY STANDARDS Note.8 UL8750(type*HL*), CSA C22.2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG;2KVAC O/P-FG:1.5KVAC I/P-GC;2KVAC I/P-FG:2.5TVAC I/P-FG:2.		TEMP. COEFFICIENT	±0.03%/°C (0~60°C)								
SAFETY STANDARDS Note.8 design refer to UL60950-1, TUV EN60950-1 SAFETY & WITHSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC ISOLATION RESISTANCE I/P-O/P:3.75KVAC I/P-FG:2100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥ 60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KM MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.21Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (€) point (or TMP, per DLC), is about 80°C or less.		VIBRATION	10 ~ 500Hz, 5G 1	2min./1cycle, perio	od for 72min. each	along X, Y, Z axes					
design refer to UL60950-1, TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≥ 60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2,3.4,5.6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220°68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.11, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly fc point (or TMP, per DLC), is about 80°C or less.		CAFETY OTANDARDO	UL8750(type"HL"), CSA C22.2 No. 250.0-08; TUV EN61347-1, EN61347-2-13 independent; IP65 or IP67, J61347-1, J61347-2-13 approved								
EMC SOLATION RESISTANCE I/P-O/P; I/P-FG; O/P-FG; 100M Ohms / 500VDC / 25°C / 70% RH		SAFETY STANDARDS Note.8	design refer to UL60950-1, TUV EN60950-1								
ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load≥60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220°68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly @ point (or TMP, per DLC), is about 80°C or less.	SAFETY & WITHSTAND VOLTAGE										
EMC EMISSION Note.8 Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load ≧60%); EN61000-3-3 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KM MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less.											
EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2K MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (© point (or TMP, per DLC), is about 80°C or less.	0										
MTBF 192.2K hrs min. MIL-HDBK-217F (25°C) DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 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.					,			•	U// Lin - Li - 010		
DIMENSION 220*68*38.8mm (L*W*H) PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less.						NOOUZ4, IIGht Indus	ıry ievei (surge imi	munity Line-Earth	rkv, Line-Line 2KV		
PACKING 1.12Kg; 12pcs/14.4Kg/0.8CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less.					(25 C)						
1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less.	OTHERS	DIMENSION	,								
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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less.											
 Hipple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 4/uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 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 80 °C or less. 	NOTE	All parameters NOT special	lly mentioned are r	neasured at 230V	AC input, rated cur	rent and 25 $^\circ\mathbb{C}$ of a	ambient temperatu	ure.			
 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80°C or less. 											
 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 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 80°C or less. 											
 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly to point (or TMP, per DLC), is about 80°C or less. 											
 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. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly to point (or TMP, per DLC), is about 80°C or less. 											
complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 8. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 80 °C or less.											
 8. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. 9. 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. 10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to) point (or TMP, per DLC), is about 80 °C or less. 											
 9. 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. 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. 											
connected to the mains. 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.											
10. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 80 °C or less.		· ·									

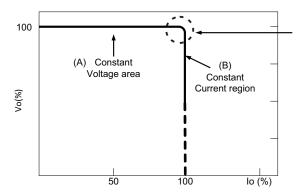
■ BLOCK DIAGRAM

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 (%)

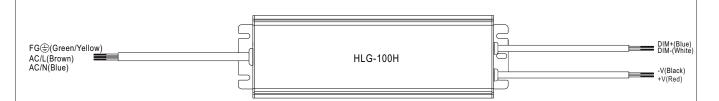
In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

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

File Name:HLG-100H-SPEC 2016-05-10

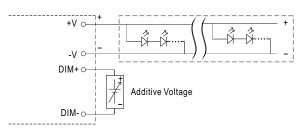


■ DIMMING OPERATION



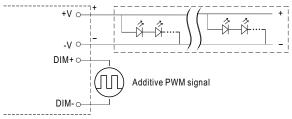
※ 3 in 1 dimming function (for B-Type)

- $\cdot \ \, \text{Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:}$
 - 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



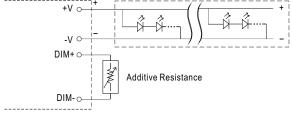
"DO NOT connect "DIM- to -V"

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

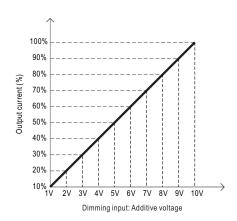


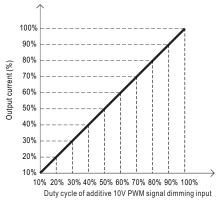
"DO NOT connect "DIM- to -V"

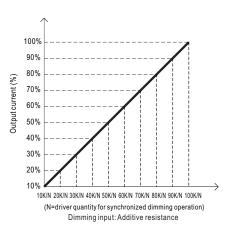
Applying additive resistance:



"DO NOT connect "DIM- to -V"

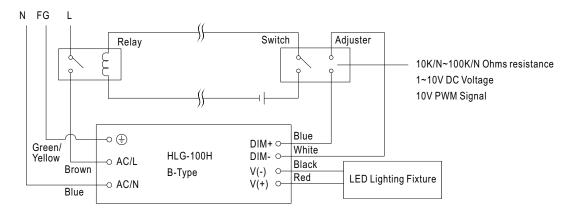






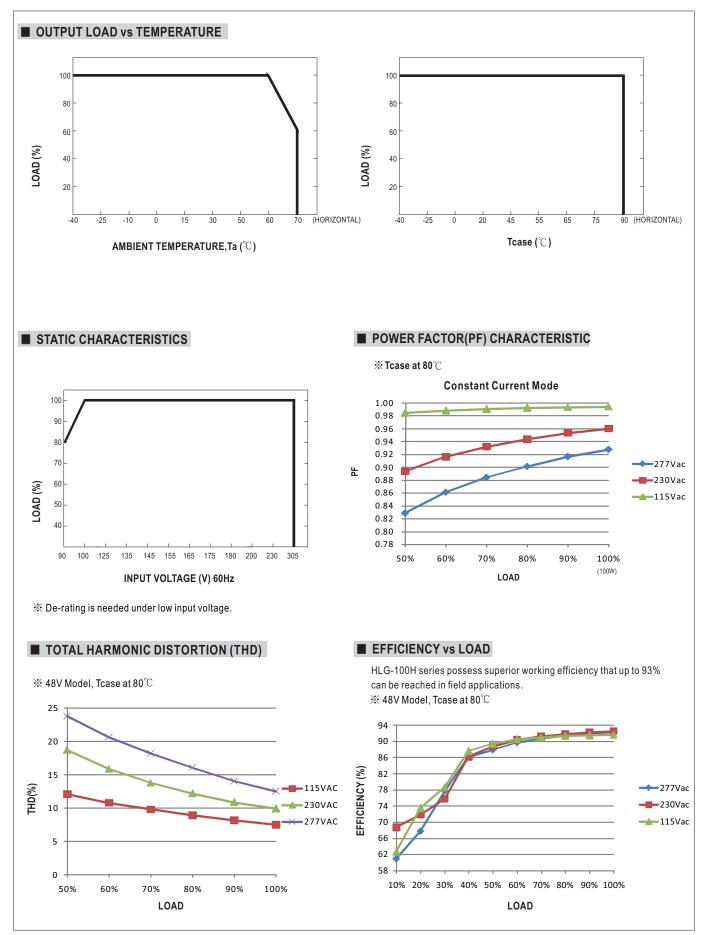


Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



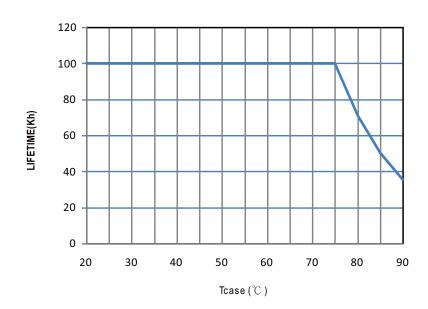
Using a switch and relay can turn ON/OFF the lighting fixture.





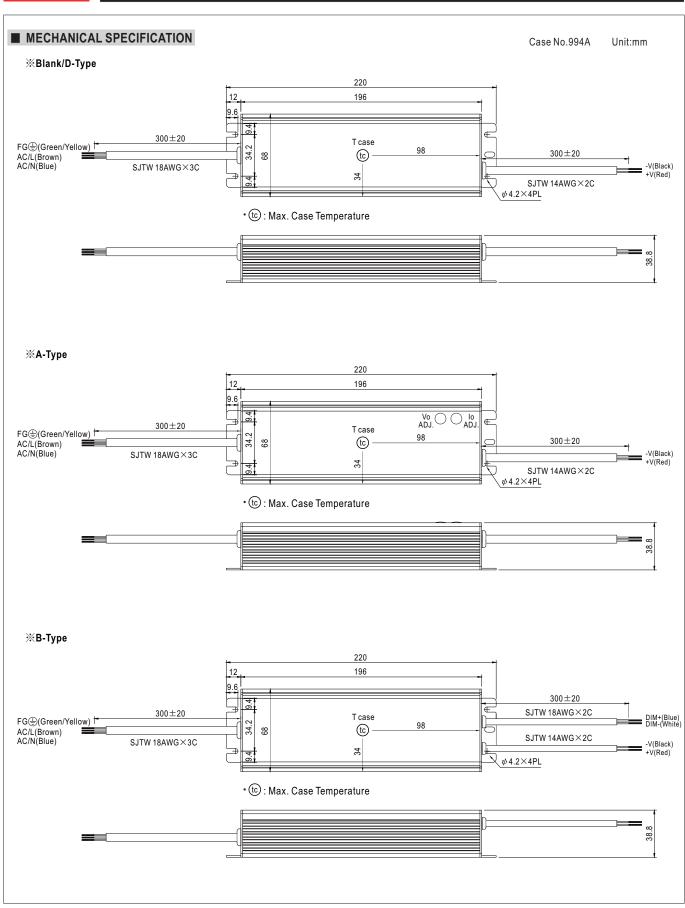


■ LIFETIME



File Name:HLG-100H-SPEC 2016-05-10





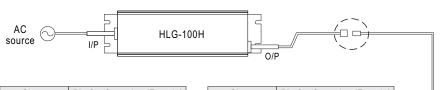
File Name:HLG-100H-SPEC 2016-05-10



■ WATERPROOF CONNECTION

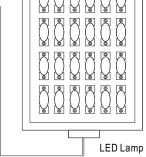
※ Waterproof connector

 $Water proof connector \ can be \ assembled \ on \ the \ output \ cable \ of \ HLG-100H \ to \ operate \ in \ dry/wet/damp \ or \ outdoor \ environment.$

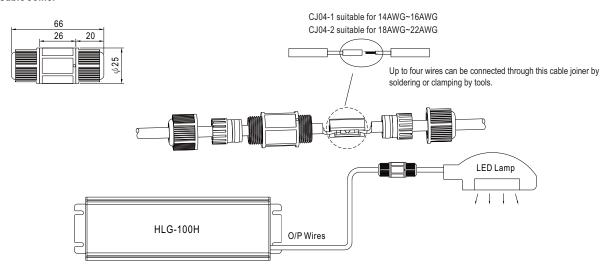


Size	Pin Configuration (Female)			
M12	000	000		
IVITZ	4-PIN	5-PIN		
	5A/PIN	5A/PIN		
Order No.	M12-04	M12-05		
Suitable Current	10A max.	10A max.		

Pin Configuration (Female)		
00		
2-PIN		
12A/PIN		
M15-02		
12A max.		

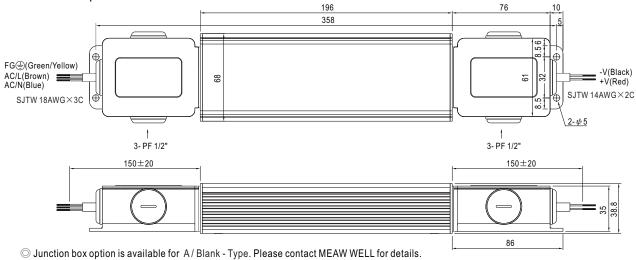


X Cable Joiner



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

 $Please\ refer\ to: http://www.meanwell.com/webnet/search/InstallationSearch.html$