

1F., No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City

22069, Taiwan (R.O.C.)

Phone: 886-2-2957 5580 Fax: 886-2-2957 7473

#### 240W LED Driver power supply < HLG-240H







### 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-240H series is a 240W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-240H operates from  $90 \sim 305 \text{VAC}$  and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93.5%, with the fanless design, the entire series is able to operate for -40°C  $\sim$  +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-240H 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   |
| С     |          | Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer. | By request |
| D     | IP67     | Timer dimming function, contact MEAN WELL for details(safety pending).   | By request |



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### 240W LED Driver power supply < HLG-240H

### **SPECIFICATION**

| MODEL                    |  | HLG-240H-12  | HLG-240H-15  | HLG-240H-20   | HLG-240H-24   | HLG-240H-30  | HLG-240H-36  | HLG-240H-42  | HLG-240H-48  | HLG-240H-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             |
| ОИТРИТ                   | RATED CURRENT  | 16A  | 15A  | 12A   | 10A   | 8A   | 6.7A   | 5.72A  | 5A   | 4.45A                |
|                          | RATED POWER  | 192W   | 225W   | 240W  | 240W  | 240W   | 241.2W   | 240.24W  | 240W   | 240.3W               |
|                          | RIPPLE & NOISE (max.) Note.2   | 150mVp-p   | 150mVp-p   | 150mVp-p  | 150mVp-p  | 200mVp-p   | 250mVp-p   | 250mVp-p   | 250mVp-p   | 350mVp-p             |
|                          | VOLTAGE AD L DANGE   | Adjustable fo  | r A/C-Type on  | ly (via built-in  | potentiometer   | )  |  |  |  |                      |
|                          | VOLTAGE ADJ. RANGE   | 11.2 ~ 12.8V   | 14 ~ 16V   | 18.6 ~ 21.4V  | 22.4 ~ 25.6V  | 28 ~ 32V   | 33.5 ~ 38.5V   | 39 ~ 45V   | 44.8 ~ 51.2V   | 50 ~ 57V             |
|                          |  | Adjustable fo  | r A/C-Type on  | ly (via built-in  | potentiometer   | )  |  |  |  |                      |
|                          | CURRENT ADJ. RANGE   | 8 ~ 16A  | 7.5 ~ 15A  | 6~12A   | 5~10A   | 4~8A   | 3.3 ~ 6.7A   | 2.86 ~ 5.72A   | 2.5 ~ 5A   | 2.23 ~ 4.45          |
|                          | 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,80m   | V/1000000000000000000000000000000000000  | 500ms,80ms/2  |   |  |  |  |  |                      |
|                          | HOLD UP TIME (Typ.)  |  |  | 0001110,00111012  | .00 17 10   |  |  |  |  |                      |
|                          | 11025 01 111112 (1) p./  | 15ms / 115VAC, 230VAC<br>90 ~ 305VAC 127 ~ 431VDC  |  |   |   |  |  |  |  |                      |
|                          | VOLTAGE RANGE Note.5   |  |  | IARACTERIST   | IC" section)  |  |  |  |  |                      |
|                          | FREQUENCY RANGE  | 47 ~ 63Hz  | io oranio on   | IAIAOTEINIOT  | 10 30011011)  |  |  |  |  |                      |
|                          | FREQUENCT RANGE  |  | VAC DE>0.0   | NE /220\/AC @ #   | ull lood  |  |  |  |  |                      |
|                          | POWER FACTOR (Typ.)  |  |  | 95/230VAC @ f   |   | 0" "   |  |  |  |                      |
|                          | The Collection   | ,  |  |   | IARACTERISTI  |  | 10)  |  |  |                      |
|                          | TOTAL HARMONIC DISTORTION  |  | _  |   | VAC; @ load ≧   |  | AC)  |  |  |                      |
| INPUT                    |  |  |  | 1   | STORTION (TH  |  | 1  | 00 =0/   | 000/   |                      |
|                          | EFFICIENCY (Typ.)  | 90%  | 90%  | 91.5%   | 92.5%   | 92.5%  | 92.5%  | 92.5%  | 93%  | 93.5%                |
|                          | AC CURRENT (Typ.)  | 4A / 115VAC  | 2A / 230\  |   | / 277VAC  |  |  |  |  |                      |
|                          | INRUSH CURRENT (Typ.)  | COLD START   | 75A(twidth=570   | )µs measured a  | t 50% Ipeak) at 2   | 230VAC; Per N  | IEMA 410   |  |  |                      |
|                          | MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER   | 2 units (circuit breaker of type B) / 4 units (circuit breaker of type C) at 230VAC  |  |   |   |  |  |  |  |                      |
|                          | LEAKAGE CURRENT  | <0.75mA/27   | 7VAC   |   |   |  |  |  |  |                      |
|                          |  | 95 ~ 108%  |  |   |   |  |  |  |  |                      |
|                          | OVER CURRENT   | Constant current limiting, recovers automatically after fault condition is removed   |  |   |   |  |  |  |  |                      |
|                          | SHORT CIRCUIT  | Hiccup mode, recovers automatically after fault condition is removed   |  |   |   |  |  |  |  |                      |
| PROTECTION               | onort ontoon   | 13.5 ~ 18V   17.5 ~ 21.5V   23.5 ~ 27.5V   27 ~ 34V   33 ~ 39V   43 ~ 49V   48 ~ 54V   55 ~ 63V   60 ~ 67V   |  |   |   |  |  |  |  |                      |
|                          | OVER VOLTAGE   | 100 N / 10   |  |   |   |  |  |  |  |                      |
|                          | OVER TEMPERATURE   | Shut down and latch off o/p voltage, re-power on to recover  Shut down o/p voltage, recovers automatically after temperature goes down   |  |   |   |  |  |  |  |                      |
|                          |  |  |  |   | TPUT LOAD v   |  |  |  |  |                      |
|                          | WORKING TEMP.  | Tcase= +90°(   |  | e relei to OO   | TI OT LOAD V  | 5 I LIVII LIVAT  | ONE Section)   |  |  |                      |
|                          | MAX. CASE TEMP.  |  |  | n.a   |   |  |  |  |  |                      |
| ENVIRONMENT              | WORKING HUMIDITY   |  | non-condensi   | ng  |   | - 35   |  |  |  |                      |
|                          | STORAGE TEMP., HUMIDITY  | -40 ~ +80°C,   | 100 100 100 100 100 100 100 100 100 100  |   |   |  |  |  |  |                      |
|                          | TEMP. COEFFICIENT  | ±0.03%/°C (  | 0~50°C)  | × // // // //   |   |  |  |  |  |                      |
|                          | VIBRATION  |  |  |   | 72min. each al  | -  |  |  |  |                      |
|                          |  | UL1012, CAN  | /CSA-C22.2 N   | o. 107.1-01, U  | L8750(type"HL   | "), CSA C22.2  | No. 250.0-08; T  | UV EN61347-1   | , EN61347-2-1  | 3 independe          |
|                          | SAFETY STANDARDS   | (except for HLG-240H C type); UL60950-1, UL8750, TUV EN60950-1; GB19510.1, GB19510.14; IP65 or IP67;   |  |   |   |  |  |  |  |                      |
|                          |  | J61347-1, J61347-2-13 approved   |  |   |   |  |  |  |  |                      |
| 045577.0                 | WITHOTA ND VOLTA OF  |  |  |   | ID 50 4 510 44  |  |  |  |  | /;<br>               |
|                          | WITHSTAND VOLTAGE  | I/P-O/P:3.75   | KVAC I/P-F   | G:2KVAC O   | /P-FG:1.5KVA  | .C   |  |  |  | /;<br>               |
|                          | WITHSTAND VOLTAGE ISOLATION RESISTANCE   | I/P-O/P:3.75<br>I/P-O/P, I/P-F   | KVAC I/P-F<br>G, O/P-FG:10   | G:2KVAC O   | 00VDC/25°C/   | .C<br>70% RH   |  |  |  |                      |
|                          | ISOLATION RESISTANCE EMC EMISSION  | I/P-O/P:3.75<br>I/P-O/P, I/P-F<br>Compliance to<br>and GB1762  | KVAC I/P-F<br>G, O/P-FG:10<br>EN55015, EN<br>25.1  | G:2KVAC O<br>00M Ohms / 50<br>N55022 (CISPF   | 00VDC / 25°C /<br>R22) Class B, E   | C<br>70% RH<br>EN61000-3-2   | Class C (@ load  | 7,00   |  | 7743                 |
|                          | ISOLATION RESISTANCE   | I/P-O/P:3.75<br>I/P-O/P, I/P-F<br>Compliance to<br>and GB1762  | KVAC I/P-F<br>G, O/P-FG:10<br>EN55015, EN<br>25.1  | G:2KVAC O<br>00M Ohms / 50<br>N55022 (CISPF   | 00VDC / 25°C /<br>R22) Class B, E   | C<br>70% RH<br>EN61000-3-2   | Class C (@ load  | 7,00   |  | 7743                 |
|                          | ISOLATION RESISTANCE EMC EMISSION  | I/P-O/P:3.75<br>I/P-O/P, I/P-F<br>Compliance to<br>and GB1762  | KVAC I/P-F<br>FG, O/P-FG:10<br>D EN55015, EN<br>25.1<br>D EN61000-4-2  | G:2KVAC O<br>00M Ohms / 50<br>N55022 (CISPF   | 00VDC / 25°C /<br>R22) Class B, E<br>EN61547, EN5   | C<br>70% RH<br>EN61000-3-2   |  | 7,00   |  | 7743                 |
| EMC                      | ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB1762 Compliance to 207.9K hrs m  | KVAC I/P-F<br>G, O/P-FG:10<br>D EN55015, EN<br>25.1<br>D EN61000-4-2<br>in. MIL-HDE  | G:2KVAC O<br>00M Ohms / 50<br>N55022 (CISPF<br>2,3,4,5,6,8,11,  | 00VDC / 25°C /<br>R22) Class B, E<br>EN61547, EN5<br>)  | C<br>70% RH<br>:N61000-3-2<br>:5024, light inc   |  | ge immunity Lir  | ne-Earth 4KV, L  | 7743                 |
| EMC                      | ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF  | I/P-O/P:3.75<br>I/P-O/P, I/P-F<br>Compliance to<br>and GB1762<br>Compliance to<br>207.9K hrs m<br>244.2*68*38.   | KVAC I/P-F<br>G, O/P-FG:10<br>D EN55015, EN<br>25.1<br>D EN61000-4-2<br>in. MIL-HDE<br>Bmm (L*W*H)(  | G:2KVAC O<br>00M Ohms / 50<br>N55022 (CISPP<br>2,3,4,5,6,8,11,<br>BK-217F (25°C   | 00VDC / 25°C /<br>R22) Class B, E<br>EN61547, EN5<br>)<br>ank/A/B) 2  | C<br>70% RH<br>:N61000-3-2 (<br>:5024, light ind   | lustry level (surg   | ge immunity Lir  | ne-Earth 4KV, L  | 7743                 |
| OTHERS                   | ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION  | I/P-O/P:3.75<br>I/P-O/P, I/P-F<br>Compliance to<br>and GB1762<br>Compliance to<br>207.9K hrs m<br>244.2*68*38.   | KVAC I/P-F<br>G, O/P-FG:10<br>D EN55015, EN<br>25.1<br>D EN61000-4-2<br>in. MIL-HDE<br>Bmm (L*W*H)(<br>16.6Kg/0.84C  | G:2KVAC O<br>00M Ohms / 50<br>N55022 (CISPP<br>2,3,4,5,6,8,11,<br>BK-217F (25°C<br>HLG-240H-Bla<br>UFT(HLG-240  | 00VDC / 25°C /<br>R22) Class B, E<br>EN61547, EN5<br>)<br>ank/A/B) 2<br>-Blank/A/B)   | C<br>70% RH<br>:N61000-3-2 (<br>:5024, light inc<br>:51*68*38.8mr<br>1.23Kg; 12p   | lustry level (surgen (L*W*H)(HLG   | ge immunity Lir<br>-240H C-Type)<br>CUFT(HLG-24  | ne-Earth 4KV, L  | 7743                 |
| OTHERS                   | ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specia 2. Ripple & noise are measure   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB1762 Compliance to 207.9K hrs mm 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned as ed at 20MHz o  | KVAC I/P-F<br>G, O/P-FG:10<br>b EN55015, EN<br>25.1<br>b EN61000-4-7<br>in. MIL-HDE<br>Bmm (L*W*H)(<br>16.6Kg/0.84C<br>ure measured<br>f bandwidth by  | G:2KVAC O 000M Ohms / 50 N55022 (CISPP 2,3,4,5,6,8,11, BK-217F (25°C HLG-240H-Bla UFT(HLG-240- at 230VAC inp y using a 12" t  | DOVDC / 25°C /<br>R22) Class B, E<br>EN61547, EN5<br>)<br>ank/A/B) 2<br>Blank/A/B)<br>but, rated curre<br>wisted pair-win   | C<br>70% RH<br>8N61000-3-2 (<br>55024, light inc<br>251*68*38.8mi<br>1.23Kg; 12 <sub>F</sub><br>int and 25°C   | lustry level (surg<br>m (L*W*H)(HLG<br>pcs/15.8Kg/1.16<br>of ambient temp  | ge immunity Lir<br>-240H C-Type)<br>CUFT(HLG-24<br>perature.   | ne-Earth 4KV, L  | 7743                 |
| OTHERS                   | ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance : includes set up  | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB1762 Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a and at 20MHz o tolerance, line   | KVAC I/P-F<br>G, O/P-FG:11<br>b EN55015, E1<br>25.1<br>b EN61000-4-2<br>in. MIL-HDE<br>Bmm (L*W*H)(<br>16.6Kg/0.84C<br>are measured<br>f bandwidth by<br>regulation and  | G:2KVAC O 00M Ohms / 56 N55022 (CISPF 2,3,4,5,6,8,11, BK-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC ing y using a 12" td   | DOVDC / 25°C /<br>R22) Class B, E<br>EN61547, EN5<br>)<br>ank/A/B) 2<br>Blank/A/B)<br>but, rated curre<br>wisted pair-win   | C<br>70% RH<br>8N61000-3-2 (<br>55024, light inc<br>251*68*38.8mi<br>1.23Kg; 12 <sub>F</sub><br>int and 25°C   | lustry level (surg<br>m (L*W*H)(HLG<br>pcs/15.8Kg/1.16<br>of ambient temp  | ge immunity Lir<br>-240H C-Type)<br>CUFT(HLG-24<br>perature.   | ne-Earth 4KV, L  | 7743                 |
| OTHERS                   | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB1762 Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a and at 20MHz o tolerance, line METHODS OF  | KVAC I/P-F<br>G, O/P-FG:11<br>b EN55015, E1<br>c EN61000-4-2<br>in. MIL-HDE<br>Bmm (L*W*H)(<br>16.6Kg/0.84C<br>are measured<br>f bandwidth by<br>regulation and<br>LED MODUL   | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, BK-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC ing y using a 12" td load regulatio E".  | 00VDC / 25°C/<br>R22) Class B, E<br>EN61547, EN5<br>)<br>ink/A/B) 2<br>-Blank/A/B)<br>out, rated curre<br>wisted pair-windon.   | C<br>70% RH<br>5061000-3-2 (<br>55024, light ind<br>5251*68*38.8mr<br>1.23Kg; 12g<br>ont and 25°C<br>e terminated v                                    | m (L*W*H)(HLG<br>ccs/15.8Kg/1.16<br>of ambient temp<br>vith a 0.1uf & 4  | ge immunity Lir<br>-240H C-Type)<br>CUFT(HLG-24<br>perature.<br>7uf parallel cap   | ne-Earth 4KV, L  | 7743                 |
| OTHERS                   | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N 5. De-rating may be needed up   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB176/ Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a and at 20MHz o tolerance, line METHODS OF under low input  | KVAC I/P-F<br>G, O/P-FG:11<br>b EN55015, EN<br>D EN61000-4-2<br>in. MIL-HDE<br>Bmm (L*W*H)(<br>16.6Kg/0.84C<br>are measured<br>f bandwidth by<br>regulation and<br>LED MODUL<br>voltages. Plea   | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, BK-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC inp y using a 12" t d load regulatio E". ase refer to "S'  | DOVDC / 25°C/ R22) Class B, E EN61547, EN5 ) unk/A/B) 2 Blank/A/B) but, rated curre wisted pair-windon. TATIC CHARA   | C 70% RH EN61000-3-2 ( 5024, light inc 15168*38.8mm 1.23Kg; 12g ant and 25°C eterminated w   | m (L*W*H)(HLG<br>ccs/15.8Kg/1.16<br>of ambient temp<br>with a 0.1uf & 4  | ge immunity Lir  -240H C-Type)  CUFT(HLG-24  berature.  7uf parallel cap  tails.   | ne-Earth 4KV, L  | 7743                 |
| OTHERS                   | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N 5. De-rating may be needed u 6. Length of set up time is me   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB176; Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a sed at 20MHz o tolerance, line METHODS OF under low input assured at first   | KVAC I/P-F<br>G, O/P-FG:11<br>b EN55015, EN<br>25.1<br>b EN61000-4-2<br>in. MIL-HDE<br>3mm (L*W*H)(<br>16.6Kg/0.84C<br>tre measured<br>f bandwidth by<br>regulation and<br>LED MODUL<br>voltages. Pleacold start. Tur  | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, 3K-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC inp y using a 12" t d load regulatio E". ase refer to "S' ning ON/OFF  | DOVDC / 25°C/ R22) Class B, E EN61547, EN5 ) unk/A/B) 2 Blank/A/B) but, rated curre wisted pair-win on. TATIC CHARA the driver may  | C 70% RH EN61000-3-2 ( 5024, light inc 15168*38.8mm 1.23Kg; 12g ant and 25°C at terminated w ACTERISTIC**  | m (L*W*H)(HLG<br>pos/15.8Kg/1.16<br>of ambient temp<br>with a 0.1uf & 4<br>sections for def  | ge immunity Lir  -240H C-Type)  CUFT(HLG-24  berature.  7uf parallel cap  tails.  p time.  | ne-Earth 4KV, L 0 C-Type) pacitor.                               | 7743<br>.ine-Line 2K |
| OTHERS                   | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N 5. De-rating may be needed u 6. Length of set up time is me 7. The driver is considered as  | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB176; Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a sed at 20MHz o tolerance, line METHODS OF under low input seasured at first a component  | KVAC I/P-F<br>G, O/P-FG:11<br>b EN55015, EN<br>25.1<br>b EN61000-4-2<br>in. MIL-HDE<br>8mm (L*W*H)(<br>16.6Kg/0.84C<br>ure measured<br>f bandwidth by<br>regulation and<br>LED MODUL<br>voltages. Plea<br>cold start. Tur  | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, 3K-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC inp y using a 12" t d load regulation E". ase refer to "S' ning ON/OFF erated in comb                                    | DOVDC / 25°C/ R22) Class B, E EN61547, EN5 ) unk/A/B) 2 Blank/A/B) Dut, rated curre wisted pair-win on. TATIC CHARA the driver may pination with fir                                | C 70% RH EN61000-3-2 ( 5024, light inc 1.23Kg; 12g ant and 25°C are terminated w ACTERISTIC* lead to increase all equipment                            | m (L*W*H)(HLG pos/15.8Kg/1.16 of ambient temp with a 0.1uf & 4 sections for def ase of the set up . Since EMC pe                                   | ge immunity Lir  -240H C-Type)  CUFT(HLG-24  perature.  7uf parallel cap  tails. p time. erformance will                               | ne-Earth 4KV, L 0 C-Type) pacitor.                               | 7743<br>.ine-Line 2K |
| SAFETY & EMC OTHERS NOTE | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N 5. De-rating may be needed u 6. Length of set up time is me 7. The driver is considered as complete installation, the fir                                   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB176: Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a add at 20MHz of tolerance, line A/ETHODS OF under low input assured at first a component hall equipment in all equipment in the component | KVAC I/P-F G, O/P-FG:11 D EN55015, EN 25.1 D EN61000-4-2 In. MIL-HDE Bmm (L*W*H)( 16.6Kg/0.84C ure measured f bandwidth by regulation and LED MODUL voltages. Plea cold start. Tur that will be op manufacturers   | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, 3K-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC inp y using a 12" t d load regulation E". ase refer to "S' ning ON/OFF erated in comb must re-qualif                     | DOVDC / 25°C/ R22) Class B, E EN61547, EN5 ) unk/A/B) 2 Blank/A/B) Dut, rated curre wisted pair-win on. TATIC CHARA the driver may pination with fir y EMC Directiv                 | C 70% RH EN61000-3-2 ( 5024, light inc 1.23Kg; 12p ant and 25°C ( e terminated v  ACTERISTIC* lead to increa all equipment ye on the com               | m (L*W*H)(HLG pos/15.8Kg/1.16 of ambient temp with a 0.1uf & 4 sections for det ase of the set up . Since EMC pe plete installation                | ge immunity Lir -240H C-Type) CUFT(HLG-24 perature. 7uf parallel cap tails. p time. erformance will n again.                           | ne-Earth 4KV, L 0 C-Type) pacitor.                               | 7743<br>.ine-Line 2K |
| OTHERS                   | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N 5. De-rating may be needed u 6. Length of set up time is me 7. The driver is considered as complete installation, the fin 8. To fulfill requirements of the | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB176: Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a add at 20MHz of tolerance, line A/ETHODS OF under low input assured at first a component hall equipment in all equipment in the component | KVAC I/P-F G, O/P-FG:11 D EN55015, EN 25.1 D EN61000-4-2 In. MIL-HDE Bmm (L*W*H)( 16.6Kg/0.84C ure measured f bandwidth by regulation and LED MODUL voltages. Plea cold start. Tur that will be op manufacturers   | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, 3K-217F (25°C HLG-240H-Bla UFT(HLG-240 at 230VAC inp y using a 12" t d load regulation E". ase refer to "S' ning ON/OFF erated in comb must re-qualif                     | DOVDC / 25°C/ R22) Class B, E EN61547, EN5 ) unk/A/B) 2 Blank/A/B) Dut, rated curre wisted pair-win on. TATIC CHARA the driver may pination with fir y EMC Directiv                 | C 70% RH EN61000-3-2 ( 5024, light inc 1.23Kg; 12p ant and 25°C ( e terminated v  ACTERISTIC* lead to increa all equipment ye on the com               | m (L*W*H)(HLG pos/15.8Kg/1.16 of ambient temp with a 0.1uf & 4 sections for det ase of the set up . Since EMC pe plete installation                | ge immunity Lir -240H C-Type) CUFT(HLG-24 perature. 7uf parallel cap tails. p time. erformance will n again.                           | ne-Earth 4KV, L 0 C-Type) pacitor.                               | 7743<br>.ine-Line 2K |
| OTHERS                   | ISOLATION RESISTANCE  EMC EMISSION  EMC IMMUNITY  MTBF  DIMENSION  PACKING  1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance: includes set up 4. Please refer to "DRIVING N 5. De-rating may be needed u 6. Length of set up time is me 7. The driver is considered as complete installation, the fir                                   | I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to and GB176/ Compliance to 207.9K hrs m 244.2*68*38. 1.3Kg; 12pcs/ Illy mentioned a ed at 20MHz oo tolerance, line A/ETHODS OF under low input assured at first a component to all equipment relates terP regions.   | KVAC I/P-F<br>G, O/P-FG:10<br>b EN55015, EN<br>25.1<br>b EN61000-4-2<br>in. MIL-HDE<br>Bmm (L*W*H)(<br>16.6Kg/0.84C<br>are measured<br>of bandwidth by<br>regulation and<br>LED MODUL<br>voltages. Pleacold start. Turthat will be op-<br>manufacturers<br>ulation for light | G:2KVAC O 00M Ohms / 50 N55022 (CISPF 2,3,4,5,6,8,11, 3K-217F (25°C HLG-240H-Bla UFT(HLG-240H at 230VAC ing y using a 12" t d load regulation E". asse refer to "S ning ON/OFF erated in comb must re-qualifi ting fixtures, th | DOVDC / 25°C/ R22) Class B, E EN61547, EN5 ) unk/A/B) 2 Blank/A/B) but, rated curre wisted pair-win on.  TATIC CHARA the driver may bination with fir y EMC Directiv nis LED driver | C 70% RH EN61000-3-2 ( 55024, light inc 1.23Kg; 12g int and 25°C (e terminated v ACTERISTIC" lead to increal all equipment ve on the com can only be u | m (L*W*H)(HLG pos/15.8Kg/1.16 of ambient temp with a 0.1uf & 4 sections for det ase of the set up Since EMC pe uplete installation sed behind a se | ge immunity Lir  -240H C-Type)  CUFT(HLG-24  Derature.  Tof parallel cap  tails.  p time.  performance will  n again.  witch without p | ne-Earth 4KV, L  0 C-Type)  pacitor.  be affected by permanently | 7743<br>.ine-Line 2K |



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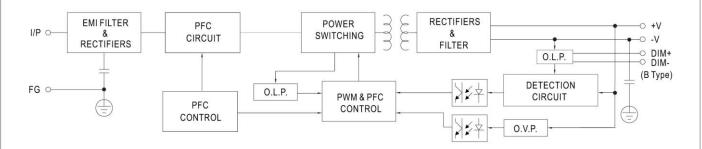
22069, Taiwan (R.O.C.)

Phone: 886-2-2957 5580 Fax: 886-2-2957 7473

### 240W LED Driver power supply < HLG-240H

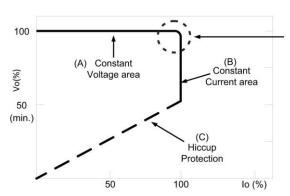
#### ■ BLOCK DIAGRAM

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.



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

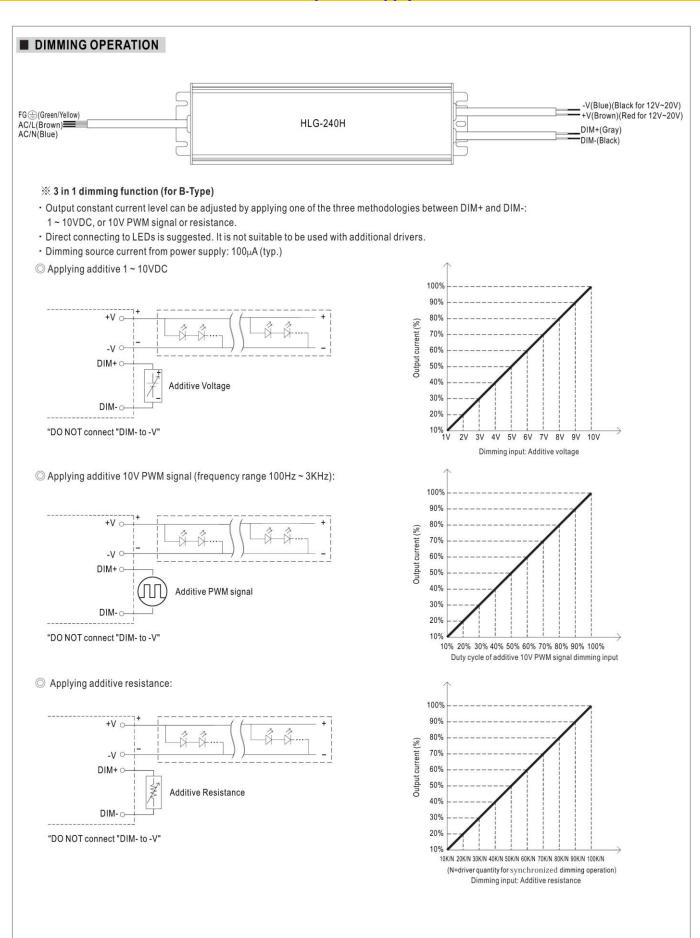
Typical output current normalized by rated current (%)



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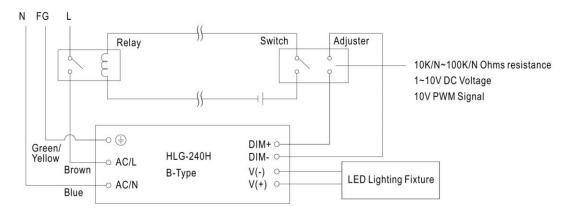
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### 240W LED Driver power supply < HLG-240H

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.



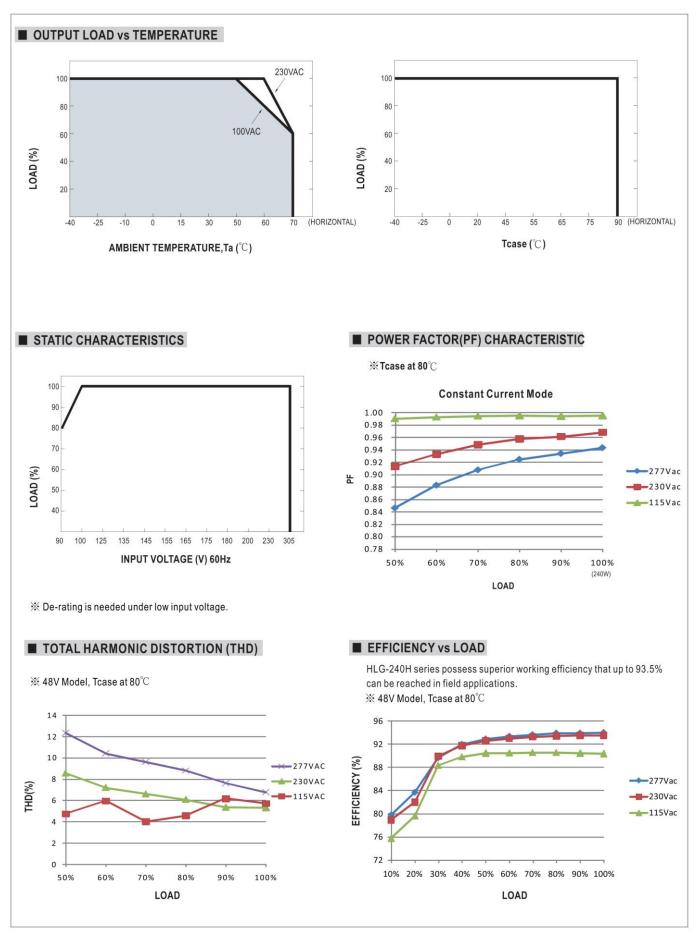
Using a switch and relay can turn ON/OFF the lighting fixture.



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### 240W LED Driver power supply < HLG-240H

# ■ LIFETIME LIFETIME(Kh)

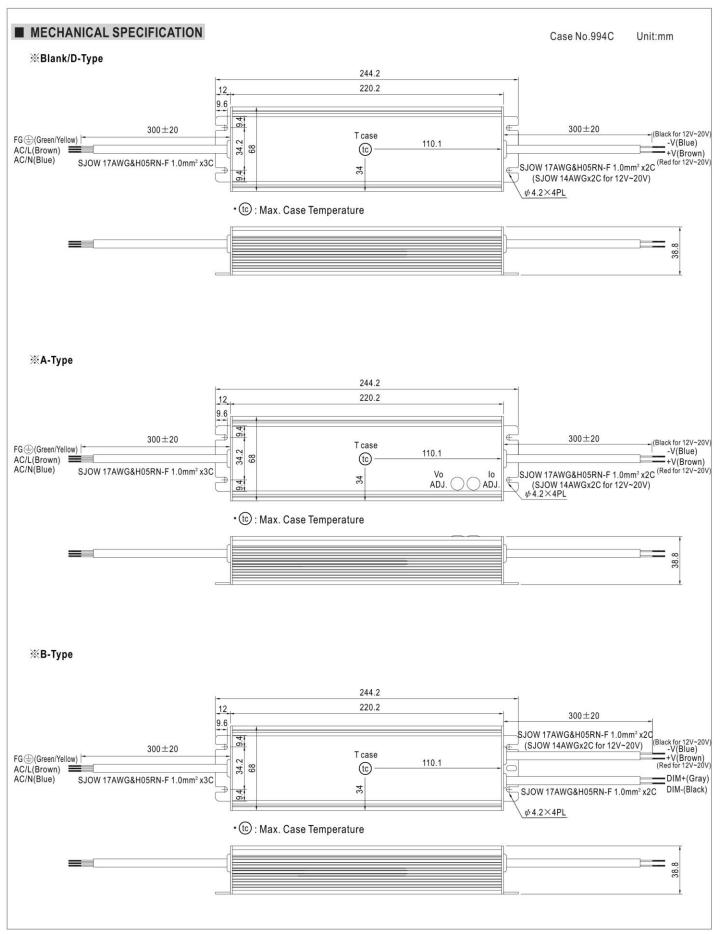
Tcase ( $^{\circ}$ C )



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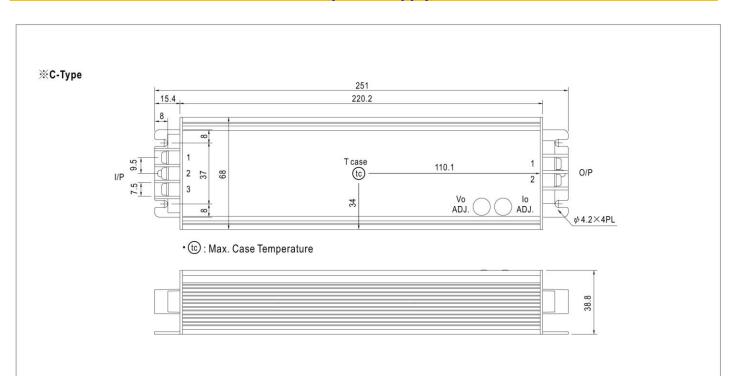




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AC Input Terminal Pin No. Assignment

| Pin No. | Assignment |
|---------|------------|
| 1       | FG ±       |
| 2       | AC/L       |
| 3       | AC/N       |

DC Output Terminal Pin No. Assignment

| Pin No. | Assignment |
|---------|------------|
| 1       | -V         |
| 2       | +V         |



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