

Наличие и актуальные цены на

HBG-240-48B

https://www.mean-well.ru/store/HBG-240-48B/





5 years warranty

Description

HBG-240 series is a 240W AC/DC LED driver featuring the circular shape design. It operates from 90~305VAC and offers the dual modes constant voltage and constant current output models with different rated voltage between 24Vand 60V. Thanks to the high efficiency up to 93.5%, with the fanless design, the entire series is able to operate for -40° C ~ $+75^{\circ}$ 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. HBG-240 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

| $\frac{HBG}{HBG} - \frac{240}{H} - \frac{36}{H}$ | |
|--|--|
| | Function mode option |
| | Rated output voltage(24/36/48/60V) |
| | Rated wattage |
| | Series name |

| Туре | IP Level | Function | Note |
|-------|----------|---|----------|
| Blank | IP67 | lo fixed. | In Stock |
| A | IP65 | lo 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 adjustable through built-in potentiometer with 3 in 1 dimming function | In Stock |
| DA | IP67 | DALI control technology. | In Stock |



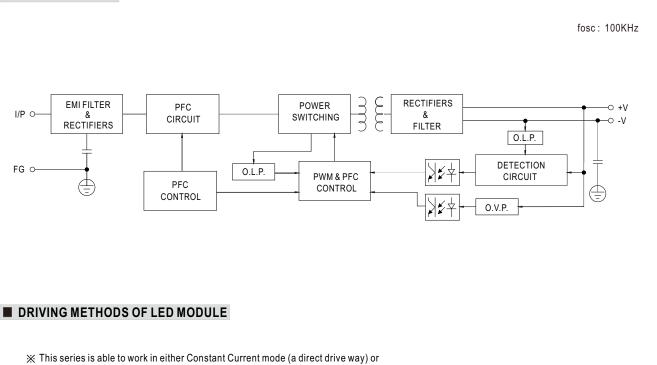
SPECIFICATION

| MODEL | | HBG-240-24 | HBG-240-36 | HBG-240-48 | HBG-240-60 | | | |
|-------------|--|---|-----------------------------------|-----------------------------|------------|--|--|--|
| | DC VOLTAGE | 24V | 36V | 48V | 60V | | | |
| | CONSTANT CURRENT REGION Note.2 | | 21.6 ~ 36V | 28.8 ~ 48V | 36 ~ 60V | | | |
| | | 14.4 ~ 24 V | 21.0~30V | 20.0~40V | 38~800 | | | |
| | CONSTANT CURRENT REGION (for DA Type only) | 16.8 ~ 24V | 25.2 ~ 36V | 33.6 ~ 48V | 42~60V | | | |
| | RATED CURRENT | 10A | 6.7A | 5A | 4.0A | | | |
| | RATED POWER Note.5 | 240W | 240W | 240W | 240W | | | |
| | RIPPLE & NOISE (max.) Note.3 | 150mVp-p | 250mVp-p | 250mVp-p | 350mVp-p | | | |
| | ····· (······) ····· | Adjustable for A/AB-Type (| | | I I I | | | |
| OUTPUT | CURRENT ADJ. RANGE | 6 ~ 10A | 4.0 ~ 6.7A | 3 ~ 5A | 2.4~4.0A | | | |
| | VOLTAGE TOLERANCE Note.4 | ±2.0% | | | | | | |
| | LINE REGULATION | ±0.5% | | | | | | |
| | LOAD REGULATION | ±0.5% | | | | | | |
| | SETUP, RISE TIME Note.6 | 500ms,120ms /230VAC 2500ms,120ms /115VAC | | | | | | |
| | HOLD UP TIME (Typ.) | 15ms /115VAC, 230VAC | | | | | | |
| | | 90 ~ 305VAC 127 ~ 4 | 31VDC | | | | | |
| | VOLTAGE RANGE Note.5 | (Please refer to "STATIC CHARACTERISTIC" section) | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | |
| | POWER FACTOR | PF>0.98/115VAC, PF>0.95/230VAC, PF>0.93/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) | | | | | | |
| INPUT | TOTAL HARMONIC DISTORTION | THD< 20%(@load≧60%/115VC,230VAC; @load≧80%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section) | | | | | | |
| | EFFICIENCY (Typ.) Note.7 | 92.5% | 92.5% | , , | 93.5% | | | |
| | AC CURRENT (Typ.) | | 230VAC 1.2A / 277VAC | 93% | 30.0 /0 | | | |
| | | | | | | | | |
| | INRUSH CURRENT (Typ.) | COLD START /5A(twidth= | 680µs measured at 50% Ipeak | () at 230VAC; Per NEMA 410 | | | | |
| | MAX. No. of PSUs on 16A | 2 units (circuit breaker of | type B) / 3 units (circuit breake | er of type C) at 230VAC | | | | |
| | CIRCUIT BREAKER | | | | | | | |
| | LEAKAGE CURRENT | <0.75mA/ 277VAC | | | | | | |
| | OVER CURRENT | 95 ~ 108% | | | | | | |
| | | Constant current limiting, r | ecovers automatically after fau | ult condition is removed | | | | |
| | SHORT CIRCUIT | Hiccup mode, recovers automatically after fault condition is removed | | | | | | |
| PROTECTION | | 27 ~ 34V | 43 ~ 52V | 52~63V | 62 ~ 85V | | | |
| | OVER VOLTAGE | Shut down and latch off o/p voltage, re-power on to recover | | | | | | |
| | OVER TEMPERATURE | - | | | | | | |
| | WORKING TEMP. | Shut down o/p voltage, recovers automatically after temperature goes down Tcase=-40 ~ +75°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section) | | | | | | |
| | MAX. CASE TEMP. | Tcase=+75°C | | | | | | |
| | | | | | | | | |
| ENVIRONMENT | WORKING HUMIDITY | 20 ~ 95% RH non-condensing | | | | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH | | | | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0~50°C) | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 5G 12min./1c | cle, period for 72min. each al | ong X, Y, Z axes | | | | |
| | SAFETY STANDARDS | UL8750,CSA C22.2 No.250.13-12, ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384;GB19510.1, GB19510.14, BIS IS15885(for 48A,60A only), EAC TP TC 004, IP65 or IP67 approved | | | | | | |
| SAFETY & | DALI STANDARDS | Compliance to IEC62386- | 101, 102, 207 for DA-Type or | nly | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3.75KVAC I/P- | FG:2KVAC O/P-FG:0.5KVA | VC | | | | |
| EMC | ISOLATION RESISTANCE | | 100M Ohms / 500VDC / 25°C/ | | | | | |
| | EMC EMISSION | Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≧75%) ; BS EN/EN61000-3-3, GB/T 17743, GB17625.1, EAC TP TC 020 | | | | | | |
| | EMC IMMUNITY | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level (surge immunity:Line-Earth:4KV, Line-Line:2KV), EAC TP TC 020 | | | | | | |
| | MTBF | 1792.9K hrs min. Telcor | dia SR-332 (Bellcore) ;172.4K | hrs min. MIL-HDBK-217F (25° | °C) | | | |
| OTHERS | DIMENSION | ϕ 191.5mm *69mm (D * H) | | | | | | |
| 2 | PACKING | 2.1Kg; 8pcs/18.3Kg/2.09C | UFT | | | | | |
| NOTE | Please refer to "DRIVING M Ripple & noise are measure Tolerance : includes set up to De-rating may be needed up Length of set up time is mea The DA type power supply is The driver is considered as a by the complete installation, (as available on https://www. This series meets the typical Please refer to the warrant The ambient temperature d For any application note an https://www.meanwell.com/ | ecially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. IG METHODS OF LED MODULE". IG METHODS OF LED MODULE". Issured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. It up tolerance, line regulation and load regulation. ed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Is measured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time. popy is less efficient than the A type power supply by 1%. If as a component that will be operated in combination with final equipment. Since EMC performance will be affected tion, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) pical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 70°C or less. Irranty statement on MEAN WELL's website at http://www.meanwell.com ure derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). the and IP water proof function installation caution, please refer our user manual before using. com/Upload/PDF/LED_EN.pdf o consider build-in using or filling the lo adjusting hole with the potting compound to comply with Type HL application. | | | | | | |

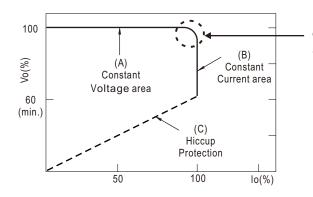


HBG-240 series

BLOCK DIAGRAM



Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.

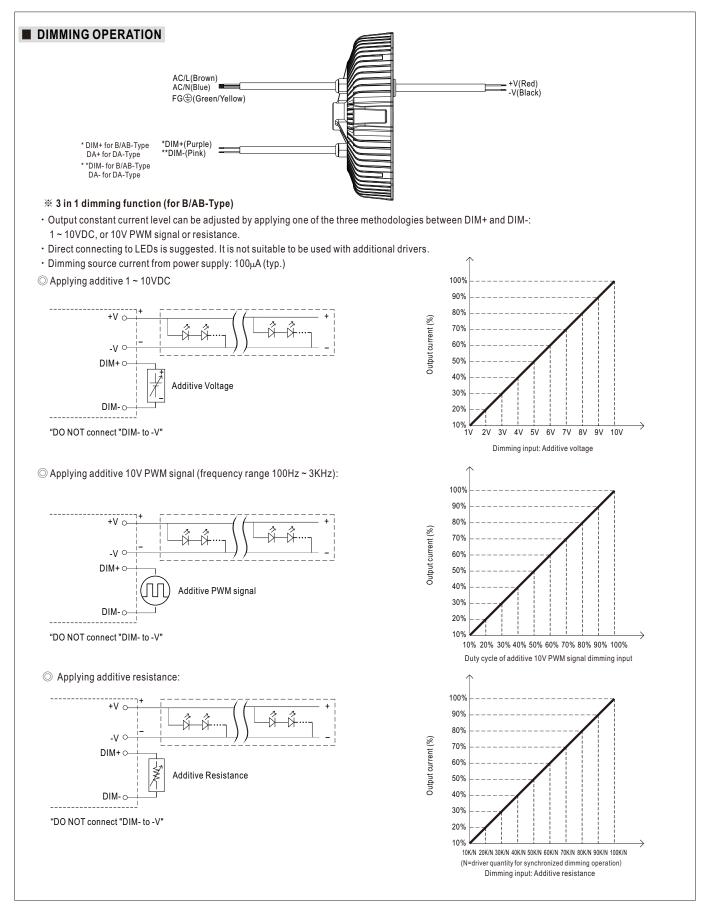


Typical output current normalized by rated current (%)

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.

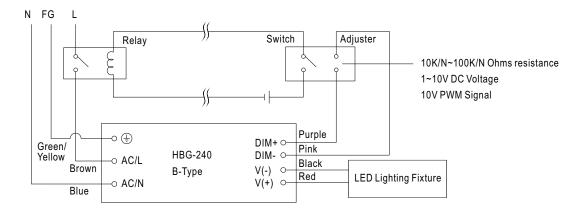






HBG-240 series

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

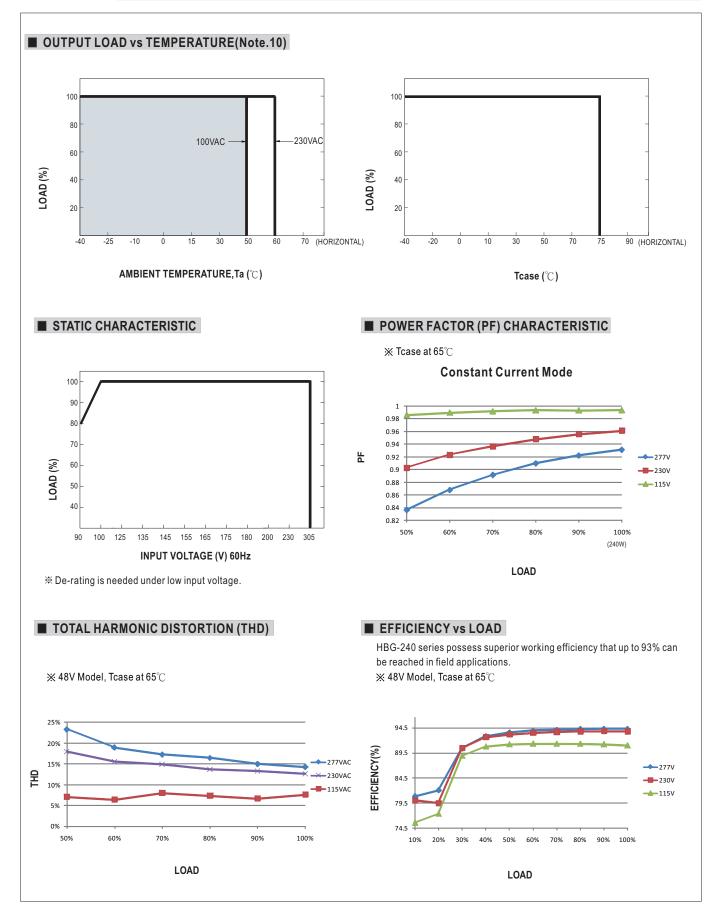


Using a switch and relay can turn ON/OFF the lighting fixture.

% DALI Interface (primary side; for DA-Type)

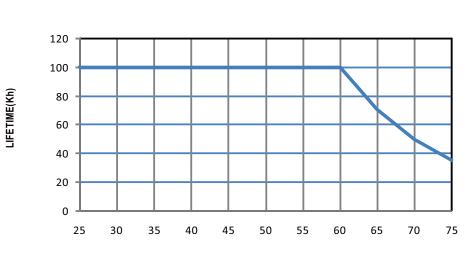
- Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.





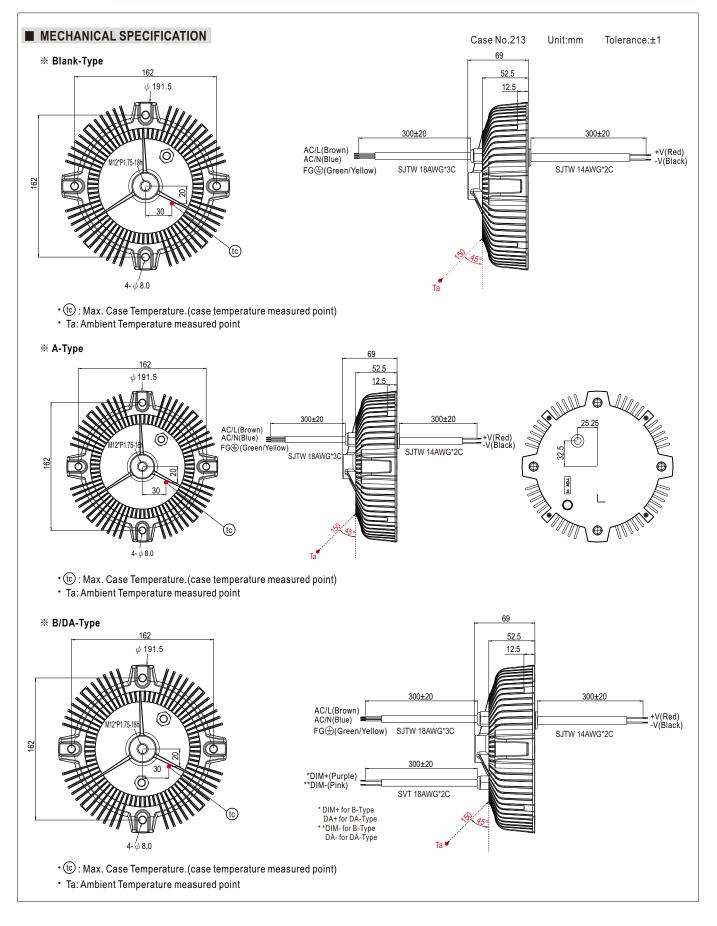








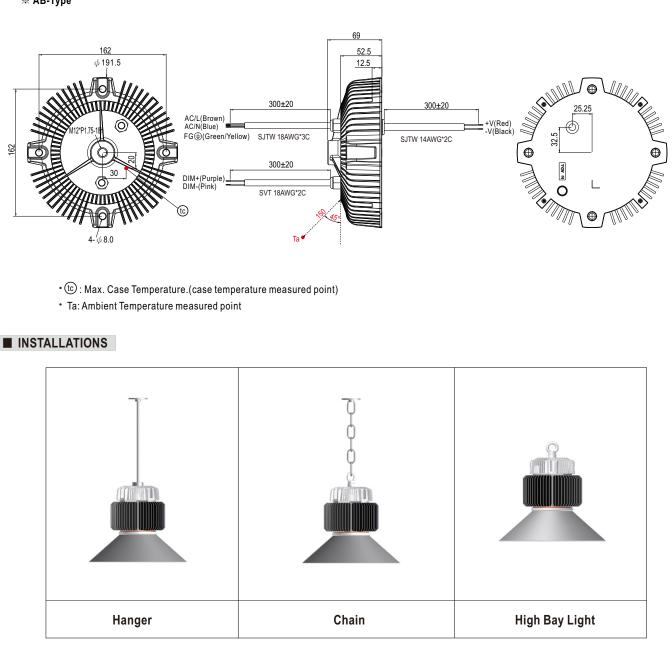






HBG-240 series

※ АВ-Туре



Caution

- Please inspect the appearance of the driver if the package is damaged. There should not be any cracks.
- $\cdot\,$ Please do not drop or bump the driver.
- $\cdot\,$ All screws including the suspension screw should be paired with a spring washer and locked tight.
- The entire luminaire, including the driver, should be limited to 15Kg or less.
- $\cdot\,$ The luminaire should be cautiously protected from damage due to shock throughout packaging and transportation.
- Please thoroughly follow the preceding cautionary notes to prevent the luminaire from falling, leading to injuries.