

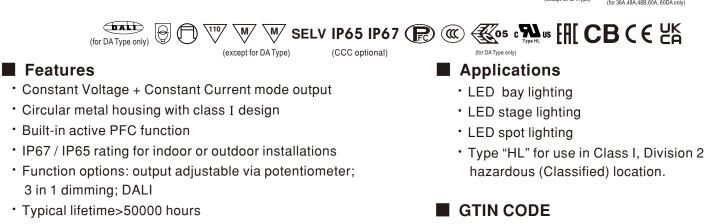
Наличие и актуальные цены на

HBG-160-48B

https://www.mean-well.ru/store/HBG-160-48B/



HBG-160 series 160W Constant Voltage + Constant Current LED Driver User's Manual . 🗖



5 years warranty

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

IS 15885(Part 2/Sec13) 8 R-41027766

Description

HBG-160 series is a 160W 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 $^\circ$ C ~ +85 $^\circ$ 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-160 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding 160

| HBG - 160 - 36 | Α |
|----------------|--|
| | |
| | Function mode option |
| | ——— Rated output voltage(24/36/48/60V) |
| | Rated wattage |
| | Series name |

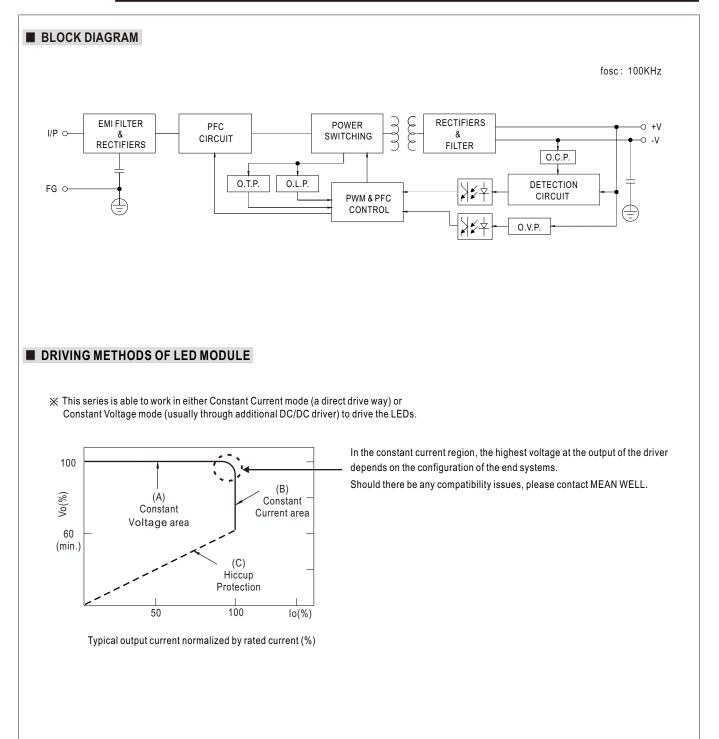
| Туре | IP Level | Function | Note |
|-------|----------|---|----------|
| Blank | IP67 | lo fixed. | In Stock |
| A | IP65 | lo adjustable through built-in potentiometer. | In Stock |
| В | IP67 | 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance) | In Stock |
| AB | IP65 | Io adjustable through built-in potentiometer with 3 in 1 dimming function | In Stock |
| DA | IP67 | DALI control technology. | In Stock |



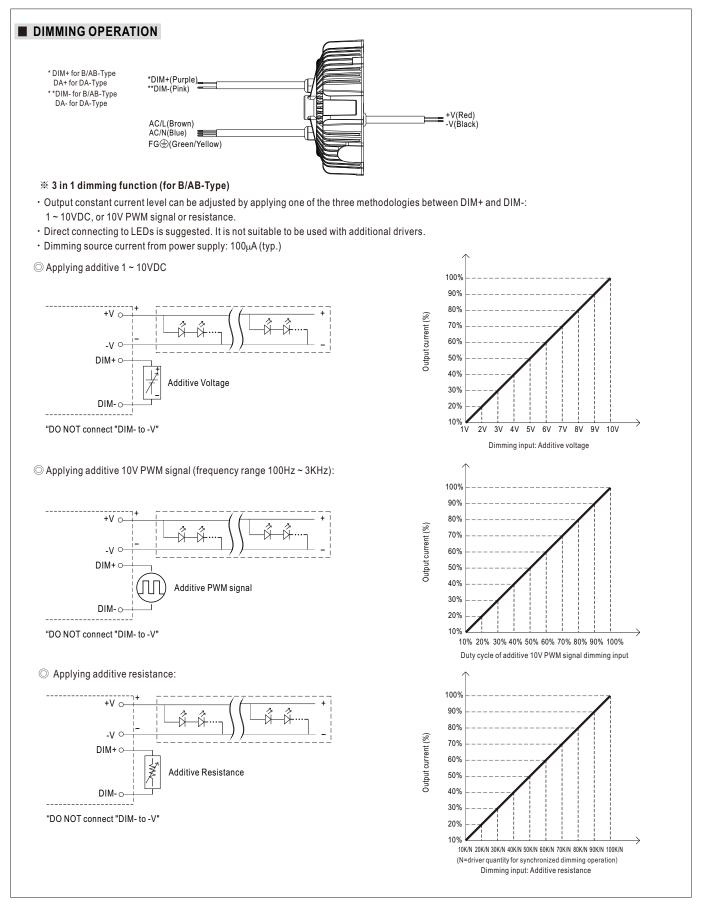
SPECIFICATION

| MODEL | | HBG-160-24 | HBG-160-36 | HBG-160-48 | HBG-160-60 | | | |
|-------------|--|--|---|--|--|--|--|--|
| | DC VOLTAGE | 24V | 36V | | | | | |
| | CONSTANT CURRENT REGION Note.2 | 14.4 ~ 24V | 21.6 ~ 36V | 28.8~48V | 36~60V | | | |
| | RATED CURRENT | 6.5A | 4.4A | 3.3A | 2.6A | | | |
| | RATED POWER | 156W | 158.4W | 158.4W | 156W | | | |
| | | | | | | | | |
| | RIPPLE & NOISE (max.) Note.3 | | 300mVp-p | 300mVp-p | 300mVp-p | | | |
| OUTPUT | CURRENT ADJ. RANGE | Adjustable for A/AB-Type (via | , , | | | | | |
| | | 3.9 ~ 6.5A | 2.6 ~ 4.4A | 1.98 ~ 3.3A | 1.6~2.6A | | | |
| | VOLTAGE TOLERANCE Note.4 | ±2.0% | | | | | | |
| | LINE REGULATION | ±0.5% | | | | | | |
| | LOAD REGULATION | ±1.0% | | | | | | |
| | SETUP, RISE TIME Note.6 | 2500ms, 200ms / 115VAC 500ms, 200ms / 230VAC | | | | | | |
| | HOLD UP TIME (Typ.) | 12ms /115VAC, 230VAC | | | | | | |
| | | 90 ~ 305VAC 127~417VDC | | | | | | |
| | VOLTAGE RANGE Note.5 | (Please refer to "STATIC CHARACTERISTIC" section) | | | | | | |
| | FREQUENCY RANGE | 47~63Hz | | | | | | |
| | | PF>0.98/115VAC, PF>0.95/230VAC, PF>0.92/277VAC@full load | | | | | | |
| | POWER FACTOR | (Please refer to "POWER FA | | | | | | |
| | | `` | . , | , | | | | |
| INPUT | TOTAL HARMONIC DISTORTION | THD< 20%(@load≧60%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section) | | | | | | |
| | | | - | | | | | |
| | EFFICIENCY (Typ.) Note.7 | | 92% | 93% | 93.5% | | | |
| | AC CURRENT (Typ.) | 1.7A/115VAC 0.78A/2 | | | | | | |
| | INRUSH CURRENT (Typ.) | COLD START 65A(twidth=55 | $50\mu s$ measured at 50% lpeak | () at 230VAC; Per NEMA 410 | | | | |
| | MAX. No. of PSUs on 16A | 1 unite (airquit broaker of tw | pe B) / 7 units (circuit breake | r of type C) at 220 VAC | | | | |
| | CIRCUIT BREAKER | | | er of type C) at 250 VAC | | | | |
| | LEAKAGE CURRENT | <0.75mA / 277VAC | | | | | | |
| | | 95 ~ 108% | | | | | | |
| | OVER CURRENT | So ~ 105% Constant current limiting, recovers automatically after fault condition is removed | | | | | | |
| | | Hiccup mode, recovers autor | | | | | | |
| PROTECTION | SHORT CIRCUIT | 28 ~ 34V | 41 ~ 47V | 54 ~ 62V | 65 ~ 75V | | | |
| | OVER VOLTAGE | | | | 05~750 | | | |
| | | Shut down o/p voltage with a | | | | | | |
| | OVER TEMPERATURE | Shut down o/p voltage, recovers automatically after temperature goes down | | | | | | |
| | WORKING TEMP. | Tcase=-40 ~ +85℃ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section) | | | | | | |
| | MAX. CASE TEMP. | Tcase=+85℃ | | | | | | |
| ENVIRONMENT | WORKING HUMIDITY | 20 ~ 95% RH non-condensing | | | | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80℃, 10 ~ 95% RH | | | | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0~50°C) | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 5G 12min./1cyc | le, period for 72min. each al | ong X, Y, Z axes | | | | |
| | SAFETY STANDARDS | UL8750(type"HL"), CSA C22.2 No.250.13-12, TUV BS EN/EN61347-1, BS EN/EN61347-2-13; BIS IS15885(for 36A, 48A, 48B, 60A, 60DA only), EAC TP TC 004, GB19510.1, GB19510.14, IP65 or IP67 approved | | | | | | |
| | DALI STANDARDS | Compliance to IEC62386-10 | 1, 102, 207 for DA-Type only | 1 | | | | |
| SAFETY & | WITHSTAND VOLTAGE | Compliance to IEC62386-101, 102, 207 for DA-Type only I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC | | | | | | |
| EMC | ISOLATION RESISTANCE | | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH | | | | | | |
| | EMC EMISSION | Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≥ 60%) ; 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 | 2047.8K hrs min. Telcordi | a SR-332 (Bellcore) ;194.1K | hrs min. MIL-HDBK-217F (25 | °C) | | | |
| OTHERS | DIMENSION | ϕ 151.68mm *66.5mm (D * H |) | | | | | |
| | PACKING | 1.53Kg; 8pcs/13.8Kg/1.37CL | JFT | | | | | |
| NOTE | Please refer to "DRIVING M Ripple & noise are measure Tolerance : includes set up t De-rating may be needed ui Length of set up time is measing The DA type power supply The driver is considered as by the complete installation, (as available on https://www This series meets the typica Please refer to the warrant The ambient temperature of | ETHODS OF LED MODULE d at 20MHz of bandwidth by olerance, line regulation and in der low input voltages. Pleas asured at cold first start. Turni is less efficient than the typicz a component that will be oper the final equipment manufact meanwell.com//Upload/PDF// al life expectancy of >50,000 l y statement on MEAN WELL' lerating of 3.5°C/1000m with 1 d IP water proof function inst | " using a 12" twisted pair-wire load regulation. se refer to "STATIC CHARA ng ON/OFF the driver may al efficiency in specification I rated in combination with fin turers must re-qualify EMC EMI_statement_en.pdf) hours of operation when Tca s website at http://www.mea fanless models and of 5°C/1 allation caution, please refe | al equipment. Since EMC perfor Directive on the complete installa ase, particularly (to) point (or TMF anwell.com | parallel capacitor. ne. mance will be affected | | | |





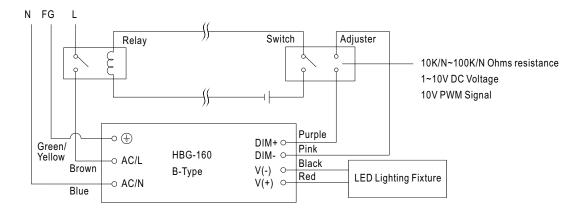






HBG-160 series

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.

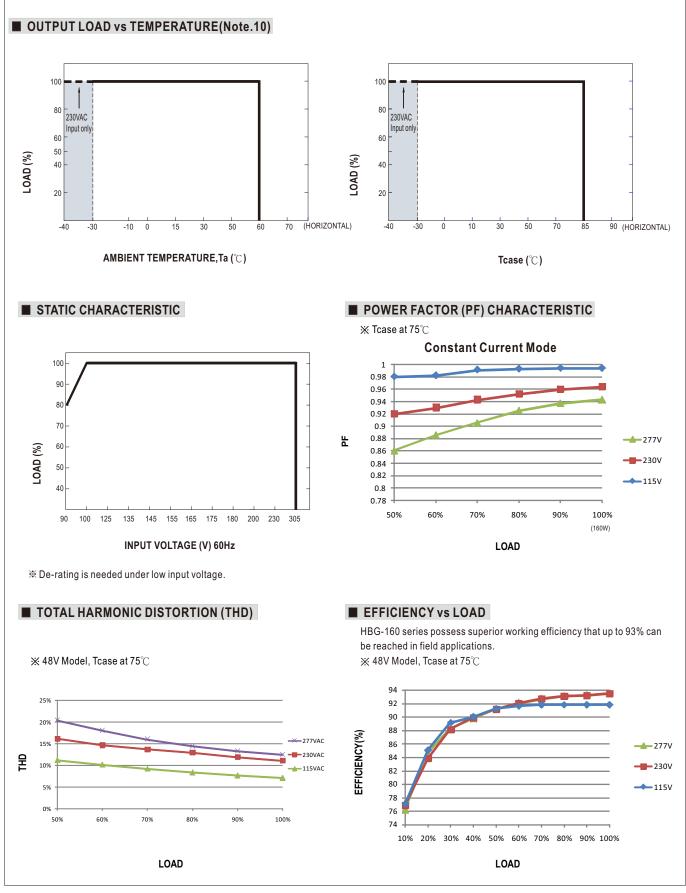


Using a switch and relay can turn ON/OFF the lighting fixture.

- **% 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.

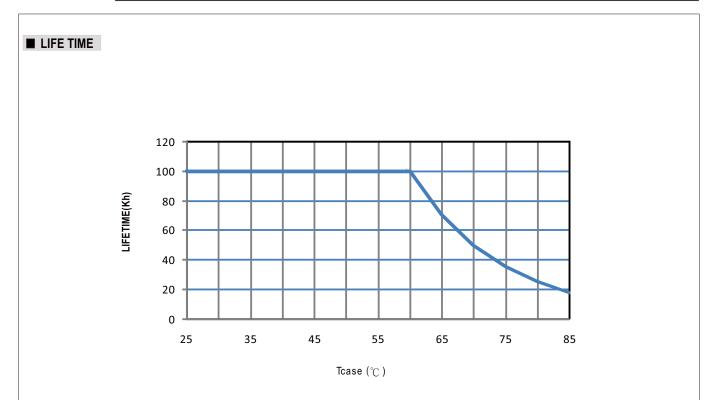


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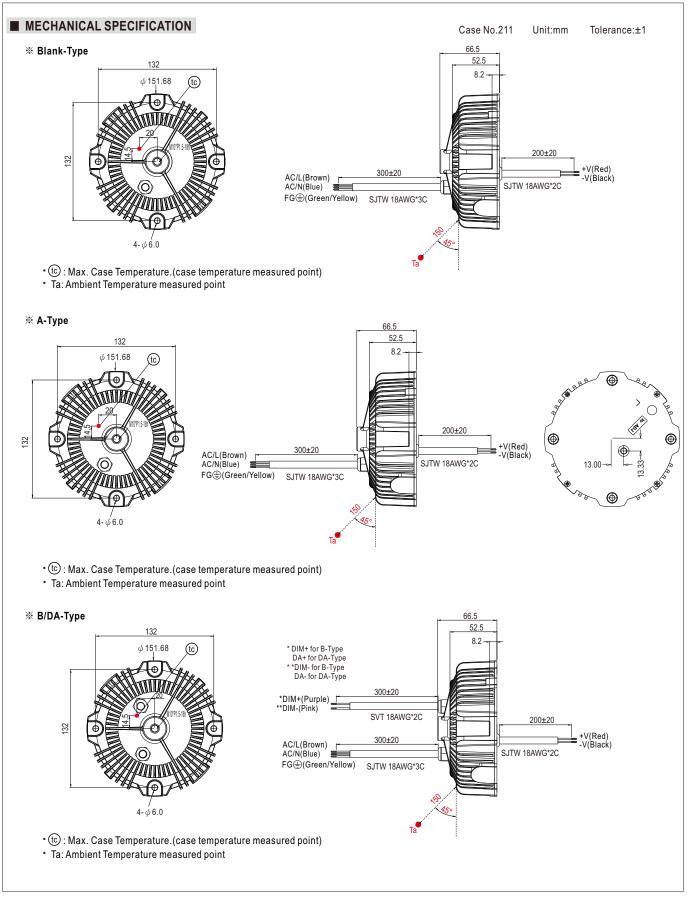


File Name:HBG-160-SPEC 2024-10-11



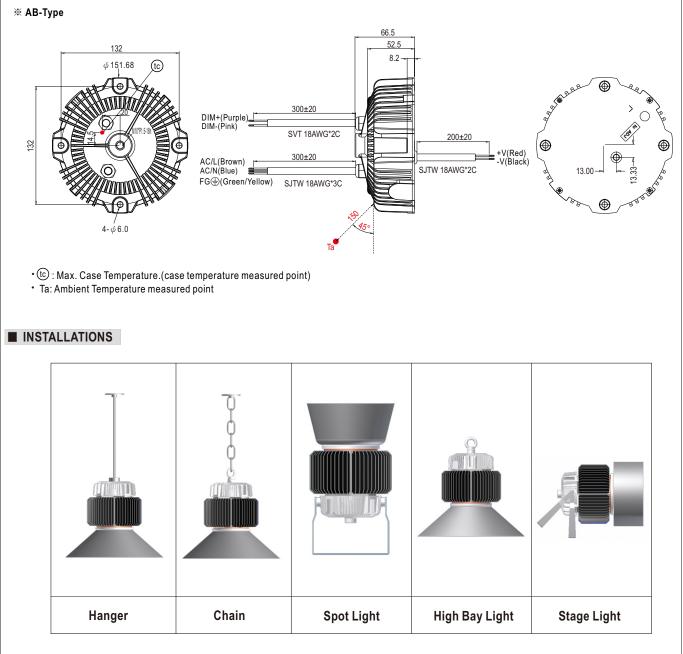








HBG-160 series



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 10Kg or less.
- 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.