Faulty Operation Lamp

Please do not use other equipment while doing the test

Pre-Check

Precheck to see if the unit shows some symptoms (including Indicator Lamp or Dimming Control switch).

START

NO

YES

Jump to Case 1,2,3 (LED Lamp faulty) or Case 4,5,6 (others)

Check the outlet of AC120V.

AC120V at 1-2.

LED Power Source is broken

replace

Check the AC circuit breaker. If it trips again, ground fault or short circuit. Do not use

AC cable is broken.

replace

GB3LED
300W LED, Diffuser Balloon Light, Tripod Stand w/ 3-stage mast assembly

GB3LEDB
300W LED, Diffuser Balloon Light Assembly only – no stand

GB3LEDC
300W LED, Diffuser Balloon Light, Cart Mounted w/ 3-stage mast assembly
Lamp is not working

**CASE1** Every LED Lamp is not working.

- One of the Indicator Lamps is on.
  - NO or 2 or more
    - LED Power Source or Dimming Board or both of them are broken
      → replace
  - YES
    - DC190-210V between 5&6 (when open).
      - NO
        - LED Power Source is broken.
          → replace
      - YES
        - Connection Board is broken.
          → replace
    - Turn off and check the conduction 5-7, 8-9, and 10-6.
      - NO
        - Connection Board is broken.
          → replace
      - YES
        - LED Lamps(L1,L2,L3,L4,L5,L6) are broken.

**CASE2** Entire 1 or 2 boards of LED Lamps are not working.

- Turn off and check the conduction of Connecting Board.
  - NO
    - Connection Board is broken.
      → replace
  - YES
    - The board(s) of LED Lamp is/are broken
      → replace

**CASE3** One or some LED chips are not working.

- The chip(s) is/are broken.
  → replace the LED Lamp board(s).
Technical Information

Product Group: LIGHTING
Model: GB3LED, GB3LEDB, GB3LEDC

This bulletin is provided for technical reference and service related updates. If you have any questions, comments or do not wish to receive these e-mails, please reply to this e-mail or call the Service Technical Support Group 800 478-1244.

**Fan is not operating**

**Case 4**

Fan is not working

- **Yes**
  - All LED Lamps are working (but not so bright).
  - DC24V between 3&4 (when open)
  - LED Power Source is broken
    - replace

- **No**
  - Jump to Case 1.

- **Yes**
  - DC5V between 19&3 (female connectors) (when open).
  - Dimming Board is broken
    - replace

- **No**
  - Fan is broken
    - replace

**Troubles on dimming control**

**Case 5**

Dimming Control Switch does not work

- **Yes**
  - Press Dimming Control Switch to see if the Indicator Lamps switch to “300W”→“200W”→“100W”→“OFF”→“300W”...

- **No**
  - Dimming Board or Dimming Control Switch or both of them are broken.
    - replace

- **Yes**
  - Replace Dimming Board to see if the trouble is solved.
  - Trouble remains.

  - LED Power Source is broken
    - replace

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Silent mode is broken

**CASE 6** It cannot be switched to the silent mode.

- Press Dimming Control Switch for 3 seconds to see if the LED dimming switch flashes
  - YES
  - DC2.5V between 19 & 3 (female connectors) (when open)
    - YES Fan is broken.
      - replace
    - NO Dimming Board or Dimming Control Switch or both of them are broken.
      - replace
- NO Dimming Board is broken
  - replace

Continue to next page.....
Technical Information

Product Group: LIGHTING
Model: GB3LED, GB3LEDB, GB3LEDC

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Wiring Diagram