

# HIGH TEMPERATURE HIGH BAY OPERATING INSTRUCTIONS

## High Temperature High Bay

### General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions and other hazards, please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, please follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- DO NOT INSTALL DAMAGED PRODUCT!
- This fixture is intended to be connected to a properly installed and grounded UL listed junction box.
- Make sure that the supply voltage is the same as the luminaire voltage.
- Do not install where the marked operating temperatures exceed the ignition temperatures of the hazardous atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- All gasket seals must be clean and undamaged.



Picture is for illustration purposes only.  
Your model may vary

### WARNING:

#### RISK OF ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.
- Luminaire must be supplied by a wiring system with an equipment grounding conductor.

### CAUTION:

#### RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.

### CAUTION:

#### RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens.
- MIN 105°C SUPPLY CONDUCTORS.

### Models:

RP-HTHB-21L-50K

RP-HTHB-21L-50K-HV

### Operating characteristics:

- Rated Voltage:
  - 120-277Vac, 50/60Hz (RP-HTHB-21L-50K)
  - 347-480Vac, 50/60Hz (RP-HTHB-21L-50K-HV)
- Ambient Temperature Range: -40°C (-40°F) ~ +80 °C (176 °F)

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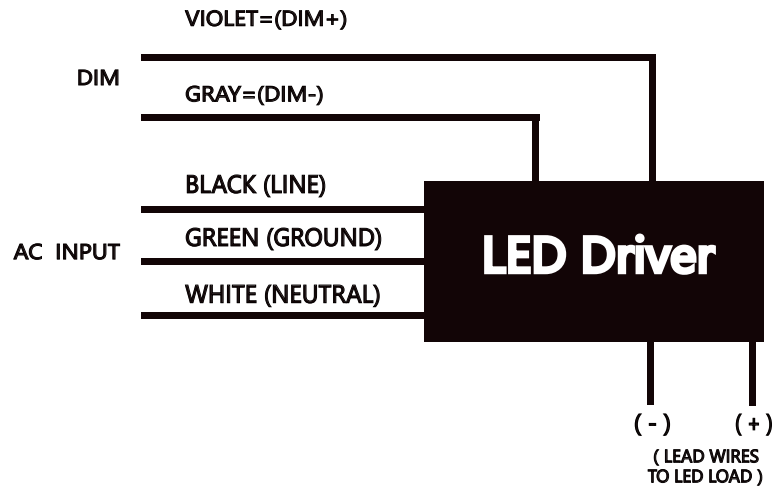
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## General Wiring Diagram

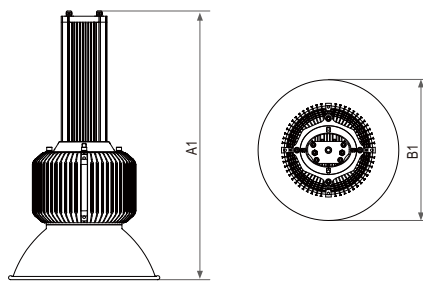
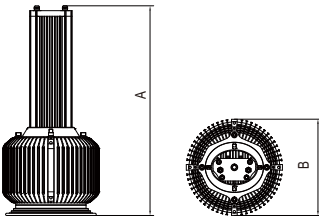
**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

Connecting panels to AC source supply:  
All units must be individually connected to the AC supply.

Violet= DIM+  
gray= DIM-  
Black = Line  
White = Neutral  
Green = Ground



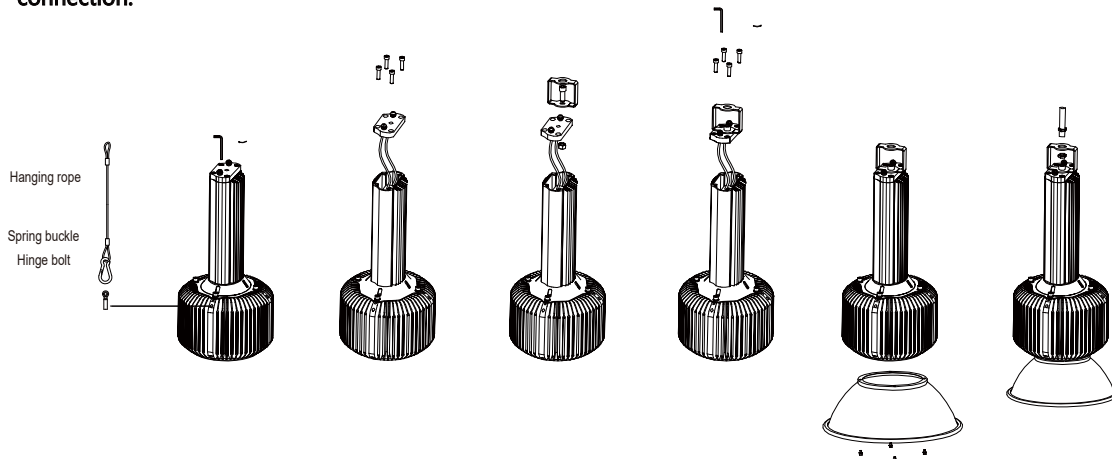
## Installation & Operation



Model	RP-HTHB-21L-50K/HV
A(mm)	573
B(mm)	260
A1(mm)	682
B2(mm)	380

### Pendant type

- step1 : Accessory - Open the top electrical cover of the fixture, fix the hanging part to the electrical cover with 1PCS M12 bolt and 1PCS M12 nut, and put back the electrical cover to the fixture. Use 4PCS M4 bolts to fix the reflector or Anti-glare lamp shade under the lamp body, if equipped with a reflector or Anti-glare lamp shade.
- step2 : Fix the safety rope - Insert 1pcs M10 live bolt in the corresponding position of the lamp body, and the safety rope is connected to the live bolt through the snap hook.
- step3 : Fixing Fixtures - Pre-installed one nut on the suspender; fix the fixtures on the suspender, install the nut under the suspender, tighten the nut and fix the fixtures. Connect the end of the safety rope that is not connected to the lamp body to the surface on the suspender.
- step4 : Electrical Connection - Connect the power input cable, distinguish the polarity (L\N\PE) according to the different colors of the power cord, as well as the polarity according to the different colors of the dimming line before the connection.



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FOR PART NUMBERS WITH RP PREFIX INFO CONTACT RemPhos by Light Efficient Design • 30 Log Bridge Road, Building 200 • Middleton, MA 01949 • 877.997.3674 • remphos.com

08.21.18 Information is subject to change without notice.

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## Servicing

- To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.
- Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks should be made at least once a year. Frequency of use and environment should determine this.
- The external lens should be cleaned periodically to ensure continued luminaire performance. Clean the lens with a clean, damp, non-abrasive, lint-free cloth. If this is not sufficient, use a mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur. Organic solvent is absolutely forbidden to soak the lens.
- Inspect the cooling fins on the luminaire to ensure that they are free of any contamination (i.e. excessive dust piles up). Clean with a non-abrasive cloth if needed.
- Mechanically check to make sure all parts are properly assembled.
- Electrically check to make sure that all connections are clean and tight.

## Housing

- Shell surface of electrostatic spraying, Long lasting and Durable
- Shell protection, Over-voltage and Over-heat protection
- Exposed fasteners with quality stainless steel
- Excellent anti-corrosive property

## Warranty

Light Efficient Design warrants each LED lighting product and accessory to be free from defects in material and workmanship for a period that depends on model, application use, and daily power duration.

**FIVE YEAR WARRANTY PERIOD.** The warranty period begins from the purchase date on the Light Efficient Design invoice for each respective product. If a Light Efficient Design lighting product fails to operate for the warranty period, Light Efficient Design will provide a replacement of the failed product in accordance with Terms and Conditions set forth below. Light Efficient Design warrants each LED lighting product and accessory to be free from defects in material and workmanship for a period that depends on application use: For up to 12 hours a day the warranty is five (5) years. For over 12 hours a day the warranty is three (3) years. The warranty period begins from the purchase date on the Light Efficient Design invoice for each respective product.

Warranty is void if exposed to ambient conditions over 80C ((176F). Warranty does not cover lumen depreciation. The luminaire will only be considered defective in material or workmanship if over 10% of the individual LED fail to illuminate. Minor cosmetic defects are not considered to be defective in material or workmanship.

### **Limitation of Liability**

THE FOREGOING WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, DECREASE IN THE LIGHT OUTPUT OF THE LAMP, AND/OR DETERIORATION IN THE LAMP'S PERFORMANCE, WHETHER OR NOT HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT. WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

This Limited Warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Because some states or jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, this limitation may not apply to you.

