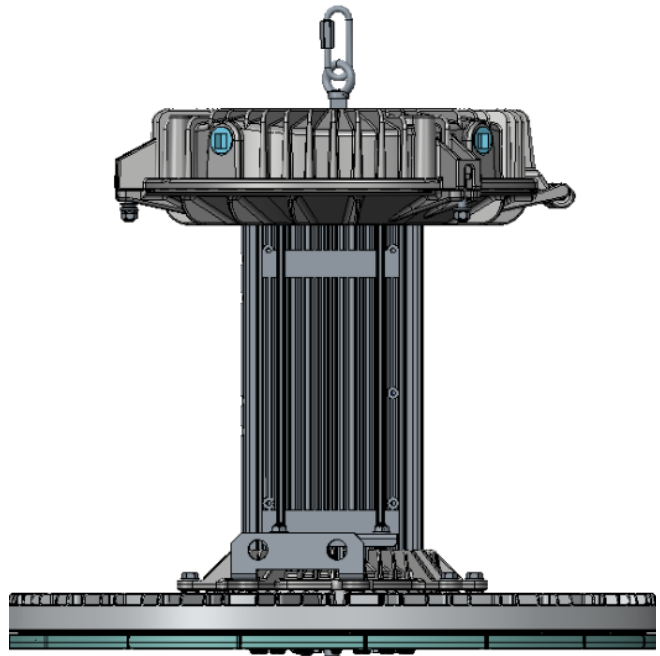
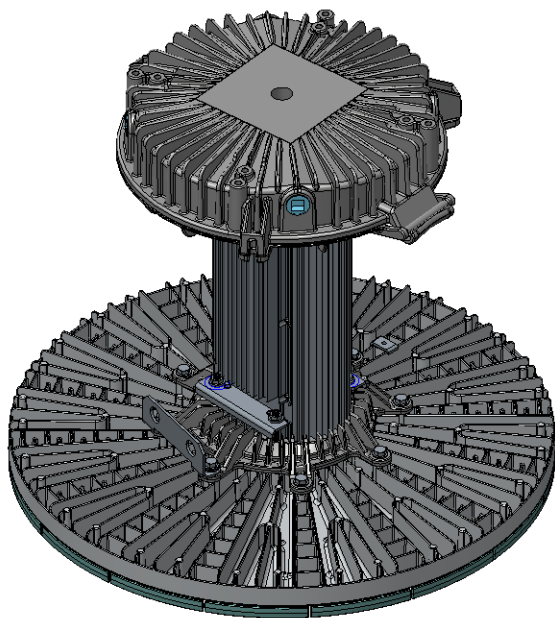


Important Information:

These instructions contain safety information, read and follow them carefully. Dialight will not accept any responsibility for injury, damage or loss which may occur due to incorrect installation, operation or maintenance.

Operating Instructions



Hook mounting option

Languages

Page Number

English

1

Note: Save these instructions for future use

WARNING:

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

Safety Instruction:

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.
- Make sure the supply voltage is the same as the rated luminaire voltage.
- The technical data indicated on the LED luminaires are to be observed.
- Changes of the design and modifications to the LED luminaire are not permitted.
- Observe the national electrical safety rules and regulations during installation.
- No field replaceable parts.

Technical Data

Nominal AC Supply Voltage

H6xxxx4xxxxxx	120-277V AC, 50/60Hz
H6xxx5xxxxxx	347V AC, 60Hz
H6xxx9xxxxxx	480V AC, 60Hz

Supply Current (nominal @ 230V)

H6xxxxWxxxxx - [45K]	1.6A
H6xxxx4xxxxx - [60K]	2.1A

Power consumption Wattage nominal

H6xxxx4Wxxxxx	360W
H6xxxx5Wxxxxx	380W
H6xxxx9Wxxxxx	380W
H6xxxx44xxxxx	483W
H6xxx54xxxxx	520W
H6xxx94xxxxx	520W

Operating Specs

Temperature range -40°C to +65°C

Power factor

>0.90

ATHD

<10% @120-277V AC

Dimensions

in [cm]

Height	20.2 [51.2]
Diameter	24.0 [61.0]

Weight

Total	lbs [kg]
H6xxxx4xxxxxx	63 [28.6]
H6xxx5xxxxxx	79 [35.8]
H6xxx9xxxxxx	79 [35.8]

Wire Box

H6xxxx4xxxxxx	7 [3.2]
H6xxx5xxxxxx	23 [10.4]
H6xxx9xxxxxx	23 [10.4]

Light Engine and Power Supply

All	56 [25.4]
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Introduction

This High Bay light is designed for illumination of industrial locations and use the latest in solid state lighting technology for long life, low maintenance, and high efficiency.

These unique optical design focuses light downward to where it is needed, giving improved efficiency over a conventional HID luminaire.

For 120-277VAC models:

An internal power-factor-corrected supply allows it to be used at a nominal 120-277VAC 50/60Hz AC supply without any variation in light output.

Hook models "H6xxxxHxxx" are suitable for use in dry locations per UL-1598.

All other models are suitable for use in wet locations per UL-1598.

Recommended mounting height:

H6xxxxWxxxxx - [45K] =	30-60ft	[9-18m]
H6xxxx4xxxxx - [60K] =	60-100ft	[18-30m]

General Mounting Information

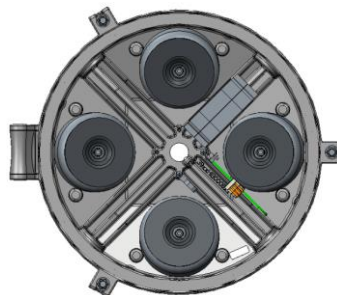
For maximum long term reliability and light output, the light must be installed in free air. The High Bay luminaire design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. As a result, light output may be temporarily reduced at higher ambient temperatures.

High Bay luminaires that are fitted with an attached mounting hook should be hung from an appropriately sized mounting point. The ¼ NPT threaded side entrances can be used for wiring as required when equipped with the appropriately sized cable glands.

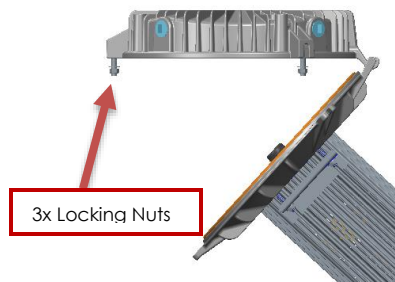
Pendent Mounting Information

The High Bay fixture is threaded for ¼"NPT in order to be assembled to conduit.

- Calculate and measure required conduit length.
- Remove the top half of the wiring box from the luminaire.
- Feed the power cable through the conduit and into the wiring box.
- Attach the wiring box to the conduit using Teflon tape or pipe sealant.
- Insert ¼"-20 anti-rotation screw in order to secure the fixture to the conduit.



Hang the Luminaire on the hook feature of the top half of the wiring box.



Installation of Luminaire (Electrical Connection)

Note: Electrical installation of the extension should be carried out by a qualified electrician.

The High Bay luminaire is supplied with 3 conductors. Connect the conductors as follows:

- For single phase units, 120-277VAC connecting the fitted power cable conductors is as follows:
 - Green/Yellow wire connects to Safety Ground (Earth).
 - Black wire connects to Live.
 - White wire connects to Neutral.

When using 208V (two 120V phases) connect the black wire to one phase and the white wire to the other phase. Since the light fixture does not have an internal fuse on the white wire (as it is normally the neutral), a fuse may be connected in series with the white wire if required.

When using 347VAC or 480VAC connect the fitted power cable conductors is as follows:

- Green/Yellow wire connects to Safety Ground (Earth).
- Power Line wires to vacant terminals on Fuse Block. Wires occupying the terminals on the other side of the fuse block are tagged with the designated AC input.
- Re-attach the Fuse Block Covers.

Connections to be made using appropriately rated terminal blocks. The length of the conductors between the cord anchorage and the terminals shall be such that, should the cable or cord move out of the cord anchorage, the current-carrying conductors become taut before the earthing conductor.

Torque all 3 wiring box locking nuts to 20 lb-ft [27 N-m].

Restore power and verify operation.

Secondary Retention:

When using a safety cable for secondary retention, ensure minimum slack (no greater than 1 foot) in cable after installation. Use an appropriate support member and connect safety cable to bracket located above the light engine. Cable type, size, material, and attachment method to meet customer application and to be appropriate with all local and regional regulations.



Chemical Compatibility Guide:

The chemical compatibility data referenced in this manual was supplied by the raw material manufacturers and is intended as a general guide. The data represents the basic material properties and does not necessarily represent the performance of the final product due to manufacturing process and design variations for each final product. Chemical compatibility is highly dependent on concentration, temperature, humidity, and other environmental conditions and therefore the customer assumes responsibility for evaluation of gaseous or direct contact chemical compatibility at their site prior to product installation.

www.dialight.com/pubs/MDTFCHEMRFLX001.pdf

Dimming Models Only

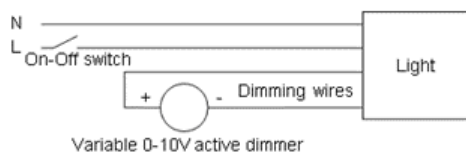
The Dialight High Bay fixture supports variable dimming through a two wire interface. Using this interface, it is possible to reduce the light level of the fixture, saving energy and setting the level exactly as desired.

Dimming is controlled by means of a 0-10 VDC signal (to be provided by the installer. At 10 volts, the output of the unit is 100%; at 0 volts, the output will be approximately 15%. The DC dimming voltage should not exceed 15 VDC. Increasing the voltage above 10VDC will not result in additional light output.

Violet wire connects to +, Grey wire connects to -.

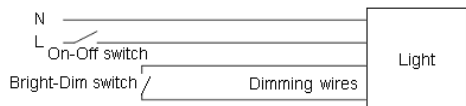
1) Variable Voltage Control

An analog 0-10V active dimmer may be connected to the two wires to control the light output of the fixture. Multiple lights may be connected to the same dimmer, as long as the maximum current rating of the dimmer is not exceeded.



2) Step dimming

Simply shorting the two wires together will cause the light to dim to a low level. When this is done, the light will dim down to approximately 15% of its full light output, with a corresponding decrease in input power.



Maintenance

To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

WARNING: Risk of electric shock. No user serviceable parts inside of fixture. Removal of the lens will void the warranty.

Perform visual, mechanical, and electrical inspections on a regular basis. Dialight recommends checks to be made on a yearly basis. Frequency of use and environmental conditions, however should determine the frequency of checks. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B:

Recommended Practice for Electrical Equipment.

The lens should be cleaned periodically, as needed, to ensure continued photometric performance.

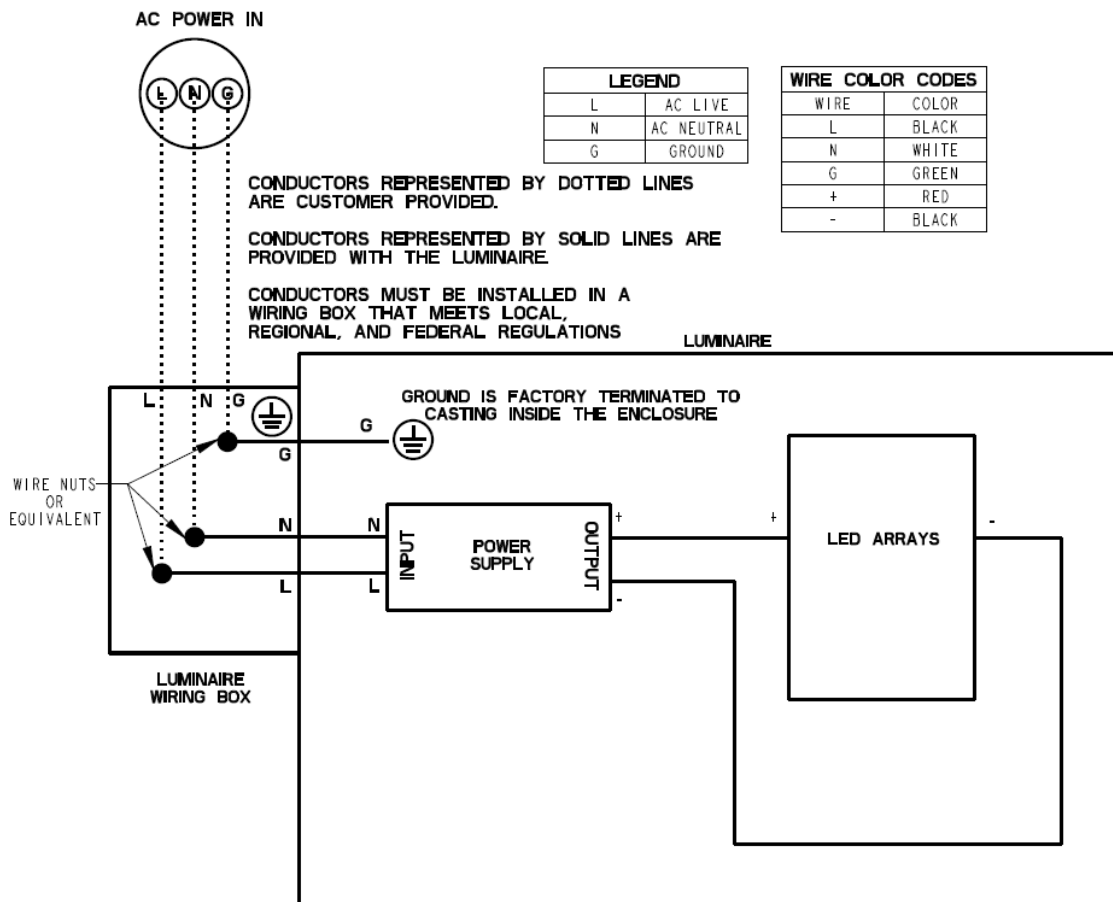
Clean the lens with a damp, non-abrasive, and lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use any abrasive, strong alkaline, or acid cleaners as damage may occur.

Inspect the cooling fins on the luminaire to ensure they are free of any obstructions or contamination (e.g. excessive dust build-up). Clean with a non-abrasive cloth, if needed.

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

Wiring Diagram

WIRING DIAGRAM FOR VIGILANT HIGHBAY PREFIXED WITH "H6"



All statements, technical information, and recommendations contained herein are based on information and tests that Dialight believes to be reliable. The accuracy or completeness thereof is not guaranteed. In accordance with Dialight "Terms and Conditions of Sale" and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his or her intended use and assumes all risk and liability whatsoever in connection therewith.

