PRODUCT DATA SHEET

LED LINEAR HIGH BAY

PQ-HBL12-14-22

This LED high bay light is a new generation of eco-friendly luminaire offering maximum light output, exceptional illumination,and energy savings.

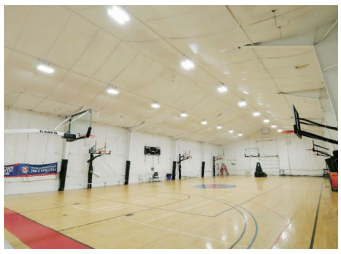
This new luminaire gives budget-conscious customers a reliable high bay solution. In addition to its low initial cost, the fixture saves up to 60% in energy costs over HID and costs less to operate than popular fluorescent products — not to mention the maintenance savings!

Intertek 5003916

WARRANTY 5 years | DAMP LOCATION | CRI 83+ Ra | DIMMABLE 0-10V

SPECIFICATIONS

Input voltage	120-347V
Dimmable	0-10V DC
LPW	150-160 LM/W
CRI	83+
Cover	Milky
Emergency backup	6W/15W/20W Driver; 90 min duration time
Sensor	Microwave sensor / PIR sensor / Bi-level / Daylight harvesting
Operating temperature	−35°C~40°C



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MODEL	CCT Tunable	Power Tunable (W)	Luminous Flux (Lm)	Dimensions	Input Voltage (V)
PQ-HBL12	041K = 4000K 051K = 5000K	80 / 100 / 130 / 165	12800 / 16000 / 20800 / 26400	2 ft x 14.17 in	120 - 347
PQ-HBL14		180 / 200 / 220 / 240	28800 / 32000 / 35200 / 38400	4 ft x 14.17 in	
PQ-HBL22		200	32000	2 ft x 2 ft	

Motion Sensor Add S

Emergency Battery Add EMBT

Catalog Number for Example: PQ-HBL12-CCTK-165W-UNIV

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APPLICATION

Ideal one-for-one replacement of conventional lighting systems such as HID and fluorescent. Applications include manufacturing, warehousing, gymnasiums, light industrial spaces, office, classroom, retail space, parking structure and other large indoor spaces with mounting heights ranging from 15'–40'.

ELECTRICAL

90% lumen maintenance at 50,000 hours; predicted life of more than 100,000 hours. Thermally protected driver standard with 0-10V dimming. 4KV surge protection standard

OPTICS

Light distribution to meet both horizontal and vertical light level requirements. Reflectors are precision formed and painted a high reflectance white. Semi-diffuse lens is standard to provide glare control and LED protection.

CONSTRUCTION

- Lightweight heat sink designed to perform at warm ambient temperatures. Due to precision thermal engineering for maximum naturally convective cooling this fixture provides lumen drop that is less than fluorescent. Fabricated steel channel provides maximum rigidity.
- Metal housing and reflectors provide excellent thermal transfer to extend component life.

COST SAVING

- Easy installation can save much more time and labor cost and it can provide virtually maintenance-free service.
- LED light engines and drivers are field replaceable.

LISTINGS

- ETL certified to US and Canadian safety standards. Listed by ETL to meet UL 1598 standards for damp location and -35°C to 40°C ambient. Ambient operating temperatures vary referring to end-user environment and application.
- Components are RoHS compliant
- DesignLights Consortium® (DLC) qualified product. All versions of this product are DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

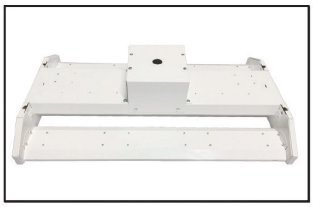
INSTALLATION

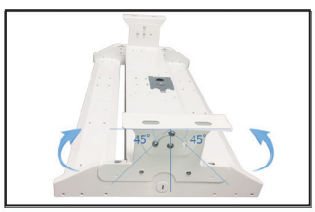
Suitable for suspension by chain, cable, surface-mounting bracket, hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket.To maintain high ambient listing,fixture should be mounted at a minimum plenum height of 15'.

NOTE

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

MOUNTING OPTIONS





A variety of mounting options are available, including pendant, chain, cable and surface.

Dimming drivers are standard, and motion detectors are optional to give complete control over energy savings.

Wire guards are also available.

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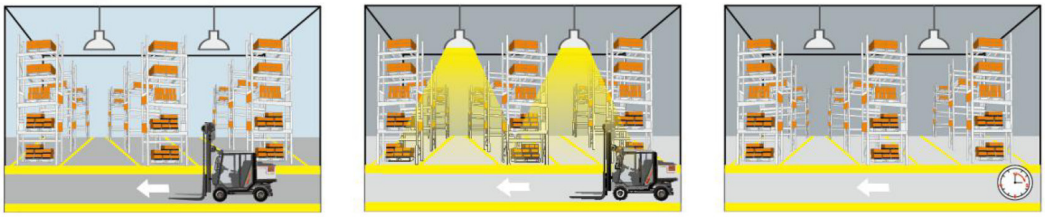
SENSOR

- New patented high-gain antenna; better adaptability to metal warehouse; completely solve the problem of self-excitation and false trigger of microwave products used in metal warehouse.
- Small cut size; suitable for many different installation environments. (3) 12V DC input; matching DC system and LED power supply with 12V DC auxiliary supply.
- Dimming port (0-10V): 2-step dimming function and 3-step dimming function.
- Mini microwave sensor with 3.5mm plug; its detecting area can be changed.
- Mounting height: 12m Max
- All parameters can be changed by infrared remote control.

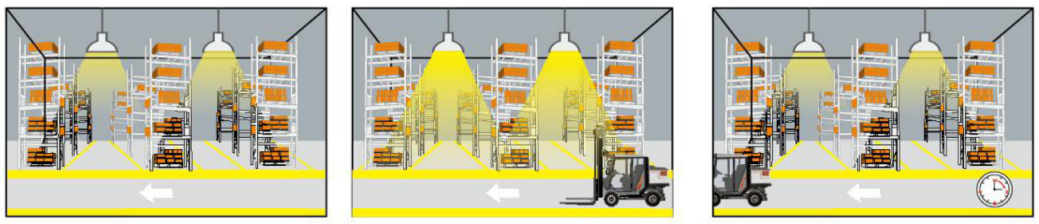
FUNCTION

1) On/OFF Function (stand-by period be set to “0”s)



1. With sufficient ambient light, the light will not be switched on even if with motion signal.
2. With insufficient ambient light, the sensor switches on the light when motion is detected.
3. After elapse of hold time, the sensor switches off the light when no motion is detected.

2) 2-step dimming function (stand-by period be set to “+∞”)



1. If there is no motion detected, the light will be remained at a low light level all the time.
2. When motion is detected, the sensor will switch on the light to 100% brighteness
3. After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

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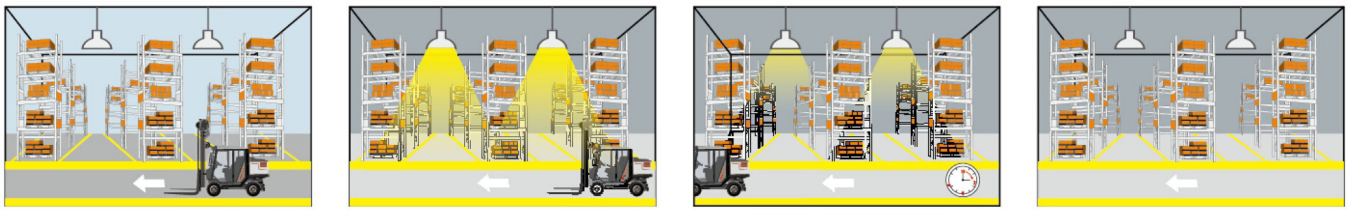
SENSOR *(continued)*

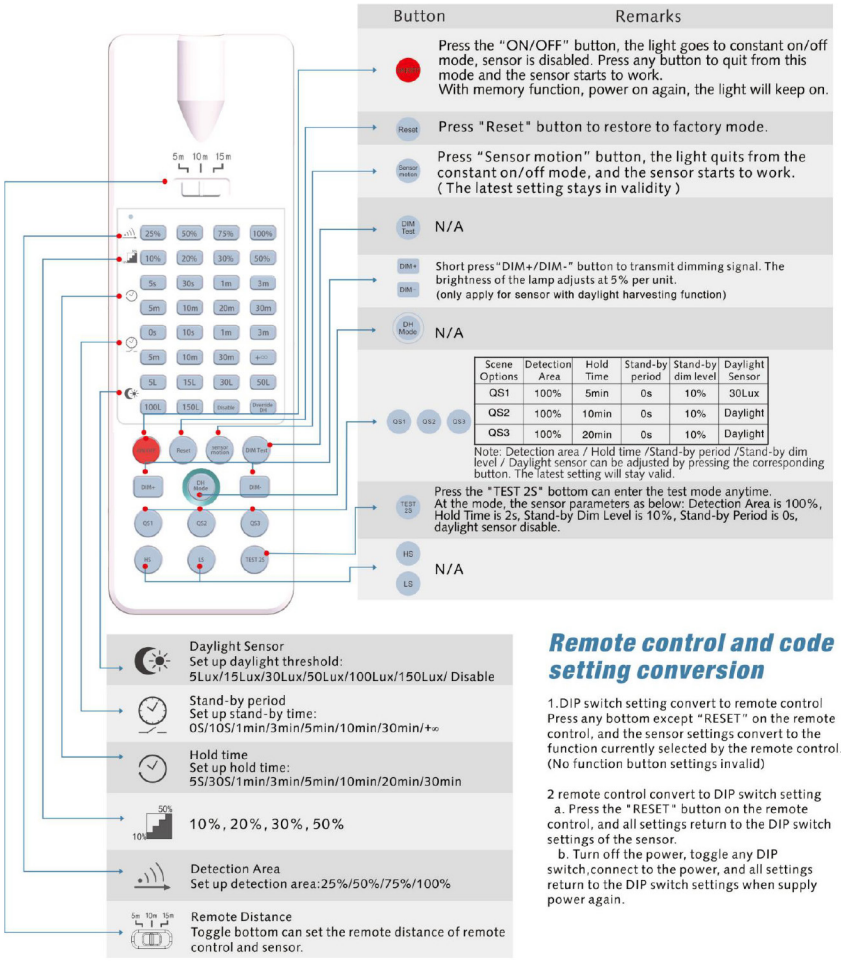
FUNCTION *(continued)*

3) 3-step dimming function (stand-by period be set to “10S/1min/3min/5min/10min/30min”)



1. With sufficient ambient light, the light will not be switched on even if with motion signal.
2. With insufficient ambient light, the sensor switches on the light when motion is detected.
3. After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.
4. After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone.

REMOTE CONTROL (MH-10)



Remote control and code setting conversion

1.DIP switch setting convert to remote control
Press any bottom except “RESET” on the remote control, and the sensor settings convert to the function currently selected by the remote control. (No function button settings invalid)

2 remote control convert to DIP switch setting
a. Press the "RESET" button on the remote control, and all settings return to the DIP switch settings of the sensor.
b. Turn off the power, toggle any DIP switch,connect to the power, and all settings return to the DIP switch settings when supply power again.