

NRG™ INTEGRATED HID DUAL-LEVEL SWITCH CONTROL & SENSOR SYSTEM



- Save up to 50% in energy
- Easy – plug and go installation
- Works with Metal Halide, Pulse Start Metal Halide, and High Pressure Sodium systems
- From 175 to 1650 watts



Hubbell Lighting

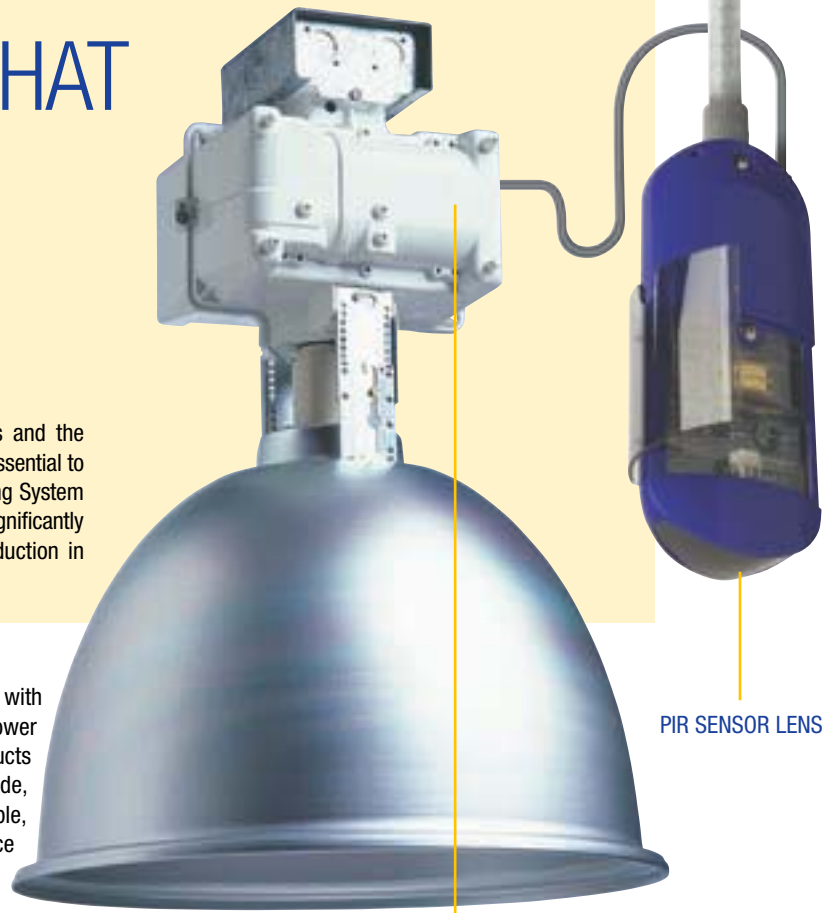
AN HID FIXTURE THAT SAVES ENERGY. THE NRG™ DUAL LEVEL CONTROL

Managing energy has become a vital activity for every business and the installation of energy saving devices is not only necessary, but also essential to any company's bottom line. Hubbell's NRG™ HID Dual-Level Switching System is an effective and easy-to-implement solution to save energy and significantly lower operating costs. Installations can achieve up to a 40% reduction in electricity cost with extended ballast and capacitor life.

DIM HID LAMPS TO SAVE ENERGY AND THE ENVIRONMENT

Power to HID lamps can be safely reduced to 50% of nominal output with no degradation of lamp life and then switched instantly to full power when required. Hubbell offers a complete line of HID control products that operate 175 to 1,650 watt metal halide, pulse start metal halide, and high pressure sodium lamps. Enormous savings are possible, especially in applications like warehouses, where full lamp brilliance is only required occasionally.

Hubbell has designed a simple-to-install system that includes everything required to have dual-level operation with occupancy sensing, photocell daylight sensing, time clocks, and building automation systems. Your lamps will only operate at full power, instantly, when they are actually needed.



PIR SENSOR LENS

CONNECTS TO BALLAST



SUPERBAY



TRIBAY



TRIBAY
SUPERWATT

NRG® MYZER PORT IS ORDERED AS AN INSTALLED OPTION.

SEE BACK COVER FOR ORDERING INFORMATION.

THE NRG™ DUAL-LEVEL CONTROL SYSTEM

The NRG™ Dual-Level Control System is an integrated digital HID dual-level switching controller and sensor. One sensor comes with every fixture and is plugged into an NRG™ port connector. Complex wiring and setup is eliminated, and can thereby reduce the total installed cost (materials and labor) by over 50%.

Energy savings can be maximized with sensors at every fixture. Only Hubbell's new advanced dual-level switching system will reliably operate with short, one-minute timer settings. This is a key requirement to reduce energy by over 40%, even in the busiest of warehouses. The NRG™ Dual-Level Control features the following:

- One sensor per fixture for maximum savings
- Best sensing performance
- Lowest installed cost for combination dual-level switching and motion sensing
- Options available for easy interface to photocell controls

SPECIFICATIONS

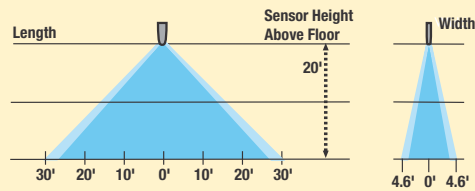
- Reduces energy consumption by 40 to 50%
- For use with CWA ballasts only, reduces lamp power up to 50%
- Microprocessor controlled (exclusive to Hubbell)
 - Sensor adjustments are fully automatic for the life of the product
 - Use of solid state switching near zero crossing eliminates harmful high capacitor inrush currents
 - Integrated self-diagnostics significantly reduces installation and test time
- Lamp current monitoring for guaranteed 15 minute lamp warm up after lamp has started
- Sensor lens is 2 to 3 times more powerful than any competitive product on the market
- Lights Bright Timer Settings: 1, 2, 4, 8, 32, 64 minute and 5 second test mode
- Laser tool significantly improves sensor alignment accuracy and speeds installation
- Uses NRG™ Port connector system
- Minimum operating temperature -35°C
- Dimensions: 13.25"H x 5.5"W x 2.6"D
- UL and cUL listed; warranty for 5 years
- Dim capacitor and PIR sensor lens required

RANGE DIAGRAMS

THREE AISLE AND ONE RECTANGULAR AREA LENS PATTERNS ARE AVAILABLE TO ACCOMMODATE DIFFERENT SENSOR MOUNTING HEIGHTS AND COVERAGE AREAS

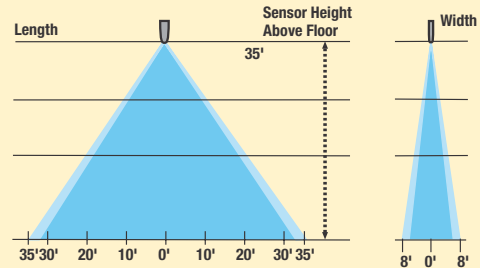
LENS 15

AISLE LENS, 12' TO 20' (MAX) MOUNTING HEIGHT ABOVE FLOOR



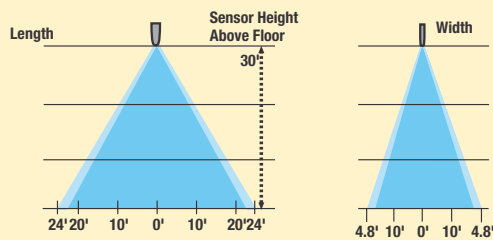
LENS 10

AISLE LENS, 16' TO 35' (MAX) MOUNTING HEIGHT ABOVE FLOOR



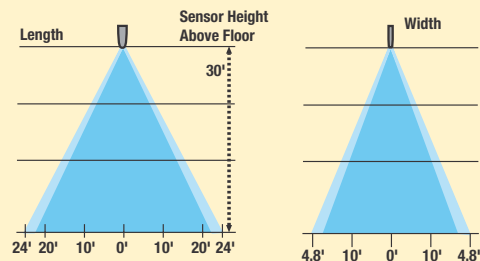
LENS 07

AISLE LENS, 25' TO 50' (MAX) MOUNTING HEIGHT ABOVE FLOOR



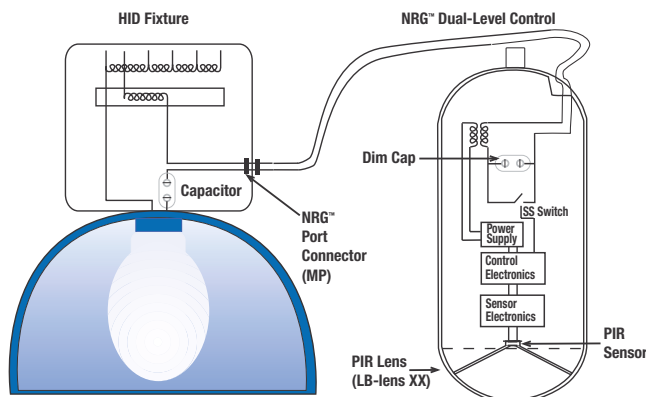
LENS 0806

AREA LENS, 12' TO 30' (MAX) MOUNTING HEIGHT ABOVE FLOOR

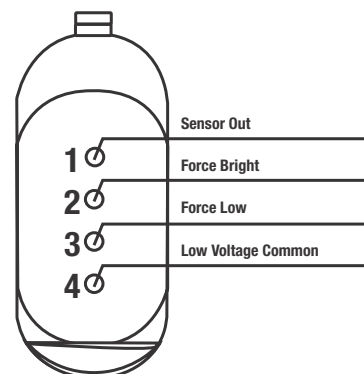


DIMENSIONS

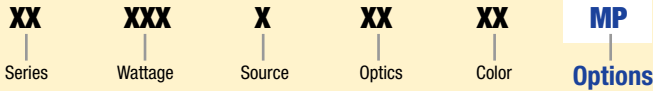
NRG™ DUAL-LEVEL HID CONTROL SYSTEM INSTALLATION



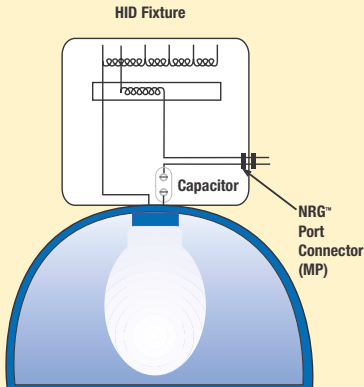
WIRING DIAGRAM OPTION - EXTP1



ORDERING EXAMPLE



NRG[®] MYZER PORT IS ORDERED AS AN INSTALLED OPTION



LB-1

- Controls the following lamp types and wattages at 65°C:
175W MH
174W, 200W pulse start MH

LB-2

- Controls the following lamp types and wattages:
250W, 320W, 350W, 400W MH @ 65°C
250W, 320W, 350W, 400W, 450W pulse start MH @ 65°C
250W HPS @ 65°C
400W HPS @ 55°C

LB-3

- Controls the following lamp types and wattages at 55°C, 30 minute lamp warm up cycle:
1000W, 1500W, 1650W MH
750W, 1000W pulse start MH
600W, 1000W HPS

ACCESSORIES



NRG[™] Laser Alignment Tool

LB-LAT-1

Improves accuracy of sensor coverage pattern adjustment; use one alignment tool per job site.



NRG[™] Port Connector

MP-C2P-10

Mounts on fixture (10 pack).



NRG[™] Shorting Plug

MP-BP-10

2-pin, bypass shorting plug (10 pack).

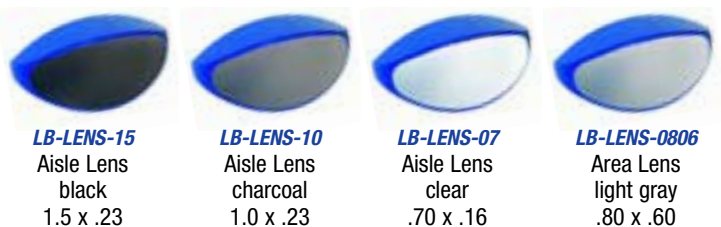
ACCESSORIES ORDERING INFORMATION

(order as separate part #)

Catalog Number	Description
LB-LAT-1	NRG [™] Laser Alignment Tool, improves accuracy of sensor coverage pattern adjustment; use one per job site
MP-C2P-10	NRG [™] Port Connector, mounts on fixture (10 pack)
MP-BP-10	NRG [™] Port, 2-pin, bypass shorting plug (10 pack)
LB-KIT-1	Conversion Hardware for non-NRG [™] port HID fixtures; includes fixture connector, bypass plug and wiring connections
LB-LENS 15	Aisle Lens, black, 1.5 x .23
LB-LENS 10	Aisle Lens, charcoal, 1.0 x .23
LB-LENS 07	Aisle Lens, clear, .70 x .16
LB-LENS 0806	Area Lens, light gray, .80 x .60

NRG[™] SENSOR LENS (one required per sensor)

Select lens based on mounting height above floor, fixture spacing & sensor coverage area



Alera Lighting • Architectural Lighting, Inc. • Columbia Lighting, Inc. • Devine Lighting • Dual-Lite, Inc. • Hubbell Entertainment, Inc. • Hubbell Lighting • Kim Lighting, Inc. • Moldcast • Prescolite, Inc. • Prescolite Life Safety, Inc. • Progress Lighting • Security Lighting Systems, Inc. • Spaulding Lighting, Inc. • Sportsliter Solutions • Sterner Lighting Systems, Incorporated • Whiteway

Hubbell Lighting, Inc.

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