

# Induction Highbay

HBI Series

**CLIPSAL**<sup>®</sup>

by Schneider Electric



Affordable,  
energy-efficient  
lighting solution

[clipsal.com](http://clipsal.com)

L I G H T I N G

**More than six times** longer lamp life

Offered with a polycarbonate or aluminium reflector, and either a 150W or 250W lamp, Clipsal's new range of Induction Highbays will cut energy and maintenance costs.

#### **Long life**

Where traditional HID lamps have a filament, which fails over time, Clipsal Induction Lamps are filament-less, providing more than six times longer lamp life.

#### **Energy efficient**

Two lamp sizes are available: 150W or 250W outputs. Typically, the 150W induction lamp is equivalent to a 250W metal halide and the 250W induction equivalent to a 400W metal halide; depending on the specific applications.

#### **Instant restrike**

Traditional HID lamps require a 5–10 minute cool-down period before switching back on and the same amount of time to achieve maximum brightness.

Induction highbays have no restrike delay, allowing for greater energy savings by running only when required (when switched via a motion sensor or timer).

# An efficient Luminaire for industrial applications

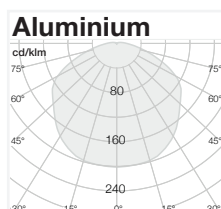
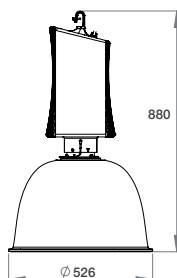
#### **Sealed reflector assembly**

The reflector of the fitting is sealed to IP65 rating, offering versatility in installations. Available in UV stabilised polycarbonate or aluminium.

#### **Induction tube technology**

Induction tubes are filament-free and offer superior life and excellent efficiency compared to traditional, filament-based lamps. In addition, induction tubes have no restrike delay, offer instant start-up and can be dimmed.

**An IP65**  
engineered design



#### **Aluminium reflector**

- High-quality aluminium reflector
- 150W or 250W lamp wattage

## Internal Respiratory System prevents over-stressing



### Robust Electronic Control Gear casing

The IP65 rated electronic control gear casing is manufactured from robust die-cast aluminium and finished in corrosion-resistant powder coat. The integral heat-management system prolongs the life of the control gear.

### Integrated electronic control gear

Features high-efficiency, micro processor - controlled electronic control gear with optional DALI dimming system compatibility.

### Twist-lock connection system

Connection of the reflector to the electronic control gear casing is made easy with a simple, twist-lock system. A retaining wire is offered to prevent accidental dropping of the disconnected reflector assembly when working at height.

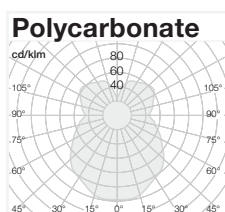
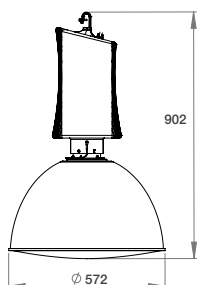
### Respiratory system

Pressure inside the sealed reflector is equalised, preventing over-stressing of the seals during heat-up and cool-down cycles.

### Specifications

- 150W models (>12,000lm)
- 250W models (>22,000lm)
- UV stabilised polycarbonate lens cover
- Filament-less toroidal induction lamp
- Die-cast aluminium electronic control gear housing with power-coated, corrosion-resistant finish
- 250W or 150W lamp wattage
- Colour temperature: 5000K
- 60,000hr L70 lamp life, rated life of 100,000 hours
- System luminous efficacy >84 lm/W
- Power factor: >0.95
- Ambient temperature range: -20°C to 40°C
- IP rating: IP65
- Operating voltage: 120-277Va.c. 50/60Hz
- Integrated respiratory system
- Instant start-up, no restrike delay
- Optional dimming control gear
- Supplied with mounting hook, and flexible cable and plug

*For the latest specifications please refer to [clipsal.com](http://clipsal.com)*



### PC reflector

- UV stabilised polycarbonate prismatic reflector
- 150W or 250W lamp wattage

**Instant start-up,**  
no restrike delay

## Product range

### Induction Highbay - complete with lamp, control gear, suspension hook, flex and plug

Catalogue Number	Description	Weight
HB150IA	150W lamp with aluminium reflector	9kg
HB150IP	150W lamp with polycarbonate reflector	9kg
HB250IA	250W lamp with aluminium reflector	9.5kg
HB250IP	250W lamp with polycarbonate reflector	9.5kg

## Induction saving

Annual Fitting	Model	Potential Energy Saving	Potential Total Saving (Including Maintenance)	Potential Total Saving with 15% Electricity Rate Increase	Potential Payback Period (Years)	Potential Payback Period with 15% Electricity Rate Increase
1	150W	\$158.99	\$204.16	\$228.01	2.4	2.2
	250W	\$238.49	\$290.23	\$326.00	2.1	1.88
15	150W	\$2,384.91	\$2,926.94	\$3,284.67	2.4	2.2
	250W	\$4,197.95	\$4,197.95	\$4,754.54	2.1	1.88
40	150W	\$6,359.76	\$7,723.04	\$8,677.00	2.4	2.2
	250W	\$9,539.64	\$11,165.72	\$12,596.66	2.1	1.88
60	150W	\$9,359.64	\$11,379.92	\$12,990.86	2.4	2.2
	250W	\$14,309.46	\$16,723.94	\$18,870.35	2.1	1.88

Note: 150W induction numbers are in comparison with a 250W metal halide equivalent

250W induction numbers are in comparison with a 400W metal halide equivalent

This is for indication purposes only. Actual savings will be determined by individual installation variances.

**Take advantage of the energy savings that Clipsal Induction Highbays have to offer.  
Contact your local Clipsal Representative, electrical wholesaler or visit [clipsal.com](http://clipsal.com)**

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