

IHB – Induction Hi-Bay

Seeking an Ultra-long Life Energy Efficient Lighting Solution?

- Induction is a mid-priced option, typically more costly than linear fluorescent, but lower cost than LED, and P2 can tailor it to your needs.
- Sylvania Icteron systems are rated for 100,000 hour system life dramatically reducing long term maintenance costs.

Why P2? It's Simple, Our Relighting Experience.

- Properly deployed, Induction is a valuable niche light source.
- Improperly deployed on your project, it can be a nightmare.
- We understand what it takes to successfully deploy the latest energy efficient, long life lighting technologies and tailor them to your application.
- Our engineers have the tools and expertise to thermally and photometrically model your system to ensure that the long life and performance promised by induction light sources is delivered.

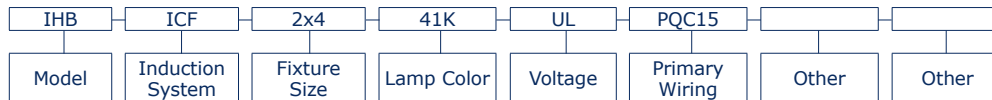
IHB – Long Life Hi-Bay



Application

- Hi-Bay or Lo-Bay applications where maintenance costs are compounded by inaccessible fixtures or prescribed lengthy service intervals.
- Optional Retail Louver
- Applications where routine outages can not be tolerated.
- Applications where service is not possible without decertifying the facility; nuclear, high security, clean rooms, etc.

IHB – ICF – 2x4 – 41K – UL – PQC15



Fixture Series

IHB = Induction Hi Bay

Induction System

ICA = Osram, 77 Watt, 6500 Lumen System
 ICB = Osram, 103 Watt, 8000 Lumen System
 ICD = Osram, 149 Watt, 11000 Lumen System
 ICE = Osram, 156 Watt, 12000 Lumen System
 ICF = Osram, 312 Watt, 24000 Lumen System

Fixture Size

2x2 = 2x2 Nominal (ICA, ICB, ICD, ICE only)
 2x4 = 2x4 Nominal (ICF only)

Lamp Color

35K = 3500 Kelvin
 41K = 4100 Kelvin
 50K = 5000 Kelvin

Voltage

UL = Universal Low 120 through 277volt
 UH = Universal High 347 through 480volt

Primary Wiring

NW = No Whip, Daylight Primary Power for Field Connection
 C8 = 8' Cord, No Plug, Pre-Stripped
 C8/L715 = 8' Cord & 277v Twistlock Plug (NEMA L7-15P)
 PQC15 = 15' Cord with In-Line Quick Connect

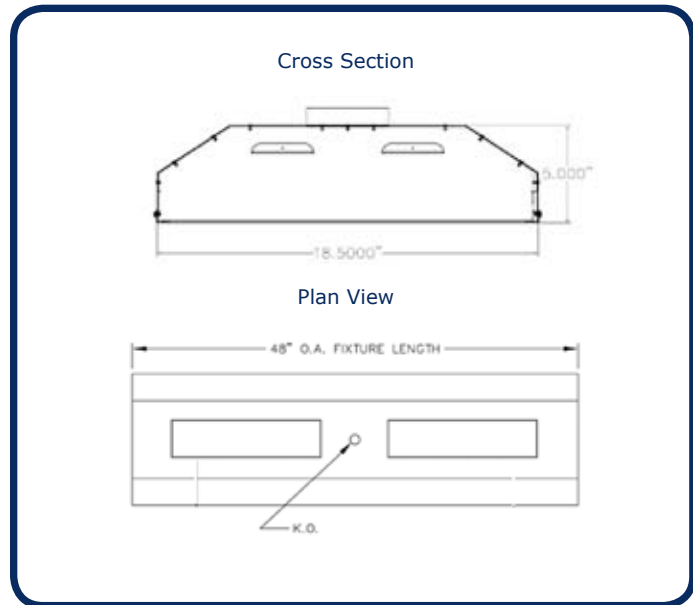
Other

CA = Clear Acrylic Lens
 ZR = Deep Cell Retail Louver
 RHx = Rectangular Aisle View Hi-Bay Occupancy Sensor
 RLx = Rectangular Aisle View Lo-Bay Occupancy Sensor
 SHx = Standard 360 View Hi-Bay Occupancy Sensor
 SLx = Standard 360 View Lo-Bay Occupancy Sensor
 * Replace [x] with numeral to indicate number of lamps on sensor.

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Fixture Construction

- Heavy duty, fully ventilated .032 aluminum body provides maximum heat dissipation and longer component life.
- Enhanced aluminum reflector.
- Osram Sylvania technology.
- Amalgam controlled Hg vapor provides stable light output.
- Made in the USA: Hudson WI, Gainesville FL, Orange County CA.



Existing System

Existing HID System	Lamp Qty & Type	Initial Lamp Lumens	Mean Lumens Per Lamp	S/P (1) Ratio	S/P (2) Adjusted Lumens	System Input Watts	Lumens (3) Per Watt	Rated Life (Hours)
HPS-150 Standard	1 HPS150	15,000	13,500	0.62	9,298	190	49	24,000
MH-175 Standard	1 MH175	13,500	8,775	1.49	11,977	210	57	10,000
HPS-250 Standard	1 HPS250	27,000	24,300	0.62	16,737	295	57	24,000
MH-250 Standard	1 MH250	20,500	13,500	1.49	18,425	295	62	10,000
MH-400 Standard	1 MH400	36,000	24,000	1.49	32,756	458	72	24,000
HPS-400 Standard	1 HPS400	50,000	45,000	0.62	30,994	464	67	24,000

Re-Lighting Options

Proposed HID System	Lamp Qty & Type	Initial Lamp Lumens	Mean Lumens Per Lamp	S/P (1) Ratio	S/P (2) Adjusted Lumens	System Input Watts	Lumens (3) Per Watt	Rated Life (Hours)
ICA - ICE70 & QT100 Ballast	1 ICE70/841	6,500	4,830	1.62	7,037	77	91	100,000
ICB - ICE100 & QT100 Ballast	1 ICE100/841	8,000	5,945	1.62	8,661	103	84	100,000
ICD - ICE100 & QT150 Ballast	1 ICE100/841	11,000	8,175	1.62	11,910	149	80	100,000
ICE - ICE150 & QT150 Ballast	1 ICE150/841	12,000	8,915	1.62	12,988	156	83	100,000
ICF - (2) ICE150 & QT150 Ballasts	2 ICE150/841	24,000	17,830	1.62	25,976	312	83	100,000

Numeric Footnotes

- (1) S/P Ratio = Scotopic to Photopic Lumens
 (2) SP Adjusted Lumens = Mean Lumens x (S/P).78 [.78 exponent]
 (3) Lumens Per Watt = S/P Adjusted Lumens / Fixture Input Watts

General Notes:

- There are many operating and thermal variables that affect Induction system output. Consult factory for assistance in modeling your Induction system.
- Values shown are based on design operating temperatures and at 277 volts.
- Fixture efficiencies and system layout are not comprehended in the table, but will also affect the usefulness of the system.