

## IFL - Induction Flood Light

### 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.
- Philips QL and 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.

### IFL - Long Life Induction System



### Application

- Flood, area, and security lighting.
- Applications where maintenance costs are compounded by inaccessible fixtures or prescribed lengthy service intervals.
- Applications where routine outages can not be tolerated.
- Applications where service is not possible without decertifying the facility; nuclear, high security, clean rooms, etc.

### IFL - QLB - 40K - 277 - NA - C1 - QMB

IFL	QLB	40K	277	NA	C1	QMB			
Model	Induction System	Lamp Color	Voltage	Icteron Other	Primary Wiring	Mounting Options	Other	Other	Other

#### Fixture Series

IFL = Induction Flood Light

#### Induction System

QLA = Philips, 55 Watt, 3500 Lumen System  
QLB = Philips, 85 Watt, 6000 Lumen System  
ICA = Osram, 77 Watt, 6500 Lumen System  
ICB = Osram, 103 Watt, 8000 Lumen System

#### Lamp Color

35K = 3500 Kelvin (Osram Only)  
41K = 4100 Kelvin (Osram Only)  
50K = 5000 Kelvin (Osram Only)  
30K = 3000 Kelvin (Philips Only)  
40K = 4000 Kelvin (Philips Only)

#### Voltage

120 = Dedicated Voltage 120v (Philips Only)  
277 = Dedicated Voltage 277v (Philips Only)  
UL = Universal Low 120 through 277volt (Osram Only)

#### Icteron Other Options

NA = None Selected  
TC = Amalgam Tip Covers

#### Primary Wiring

NW = No Whip, Daylight Primary Power for Field Connection  
C6 = 6' Cord, No Plug, Pre-Stripped  
C8/L715 = 8' Cord & 277v Twistlock Plug (NEMA L7-15P)

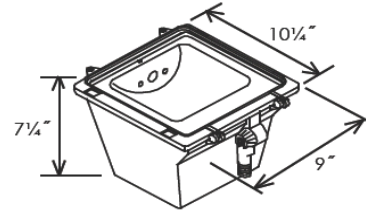
#### Mounting Options

Consult factory for mounting options.

## IFL - Induction Flood Light Lighting

### Fixture Construction

- Die Cast Housing
- Bronze Powder Coat Finish
- Tempered Glass Lens
- Stainless Steel Screws
- Osram Sylvania Icetron or Philips QL induction technology.
- Amalgam controlled Hg vapor provides stable light output.
- Assembled in the USA. Hudson WI, Gainesville FL, Orange County CA.



HID System	Lamp Qty & Type	Initial Lumens Per Lamp	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

Induction System	Lamp Qty & Type	Initial System Lumens	Mean System Lumens	S/P (1) Ratio	S/P (2) Adjusted Lumens	System Input Watts	Lumens Per Watt	Rated Life (Hours)
QLA - QL55 System	1 QL55/840	3,500	2,800	1.62	4,079	55	74	100,000
QLB - QL85 System	1 QL85/840	6,000	4,800	1.62	6,993	85	82	100,000
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

#### 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 effect the usefulness of the system.