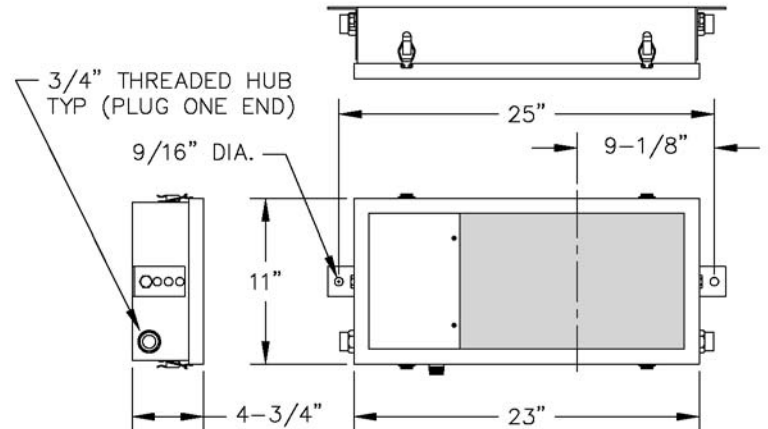




# Series 4100

70-250 Watt High Pressure Sodium

*The low profile Series 4100 provides under-deck and wall-mounting options for easy installation in tunnels, underpasses, parking garages, train and subway stations. Available with Type II and V beam patterns, this durable fixture has received DOT approval in several municipalities.*



## Construction Features

**Housing:** Constructed of heavy gauge, die-formed, 5052 aluminum, with less than 1% copper content. Seams are continuously welded and unitized.

**Lens/Door Assembly:** Constructed of heavy gauge, die-formed, 5052 aluminum, with less than 1% copper content. Mitered and welded frame secures the tempered thermal and shock resistant Borosilicate glass, sealed to the housing with high temperature, medium density, closed cell silicone gasket. Door frame attached and secured by stainless steel cam fasteners, which operate without the use of tools, for ease of relamping.

**Reflector:** Electropolished and anodized high purity aluminum, coilzak or equivalent.

**Electrical Power Tray:** Constructed of heavy gauge, die-formed, 5052 aluminum, with less than 1% copper content. Ballast secured to a removable ballast tray for ease of service

**Ballast:** Constant Wattage Autotransformer (CWA) Core & Coil ballast. Available in 120, 208, 240, 277 or 480 volt, and Multi-Tap (120/208/240/277), prewired to 6" leads for field connection.

**Mounting:** Heavy gauge aluminum brackets with aiming indicator marked in 15° increments.

**Hardware:** All external hardware is stainless steel, aluminum or hot dip galvanized.

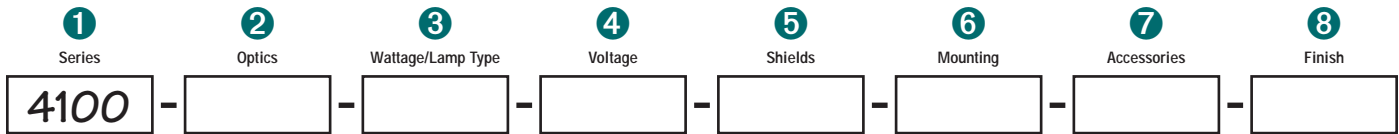
**Finish:** Polyester powder coated finish, fired at high temperatures to produce a durable weatherproof coating. Standard colors include black, bronze and silver. Custom color matching is also available. Please consult the factory for availability.

# Series 4100

70-250 Watt High Pressure Sodium

## HOW TO ORDER

EXAMPLE 4100-2-150HPS-277V-XS-FM-FS,PC1-BZE



### ① Series

4100 Integral Ballast

### ② Optics

Refer to SPECIFICATIONS on next page

2 Roadway Type II  
5 Roadway Type V

### ③ Wattage/Lamp Type\*

High Pressure Sodium

70HPS (LU70)  
100HPS (LU100)  
150HPS (LU150)  
250HPS (LU250)

\*All lamps universal burn, clear, Mogul base. By others.

### ④ Voltage

120V  
208V  
240V  
277V  
480V  
MT Multi-Tap

### ⑤ Shields

00 No shield required  
LXS Lexan Shield

### ⑥ Mounting

FM Flush Mount  
WM Wall Mount

### ⑦ Accessories

Separate codes for accessories with a comma

00 No Accessories Required  
CH Door Safety Chain  
FD Double Fusing  
FS Single Fusing  
PC1 Photocell 120-277V  
PC2 Photocell 480V  
PR Photocell Receptacle  
PRB Photocell Receptacle installed on fixture

### ⑧ Finish

BLK Black  
BZE Bronze  
SLV Silver  
*For Custom Color, contact factory*

PROJECT	APPROVAL/ DATE
	FIXTURE TYPE

# Series 4100

## 70-250 Watt High Pressure Sodium

### SPECIFICATIONS See [abslighting.com](http://abslighting.com) for photometric files

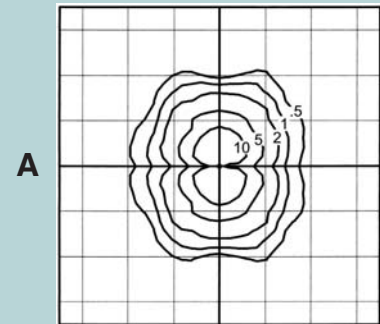
Optics	Wattage/ Lamp Type	Max. Candlepower	EPA	Weight	
<b>Metal Halide</b>					
	2	70HPS	2,116	1.76 sq. ft.	22 lbs.
	5	70HPS	4,110	1.76 sq. ft.	22 lbs.
	2	100HPS	3,220	1.76 sq. ft.	24 lbs.
	5	100HPS	6,254	1.76 sq. ft.	24 lbs.
▲	2	150HPS	5,336	1.76 sq. ft.	24 lbs.
▲	5	150HPS	10,364	1.76 sq. ft.	24 lbs.
	2	250HPS	10,028	1.76 sq. ft.	27 lbs.
▲	5	250HPS	17,869	1.76 sq. ft.	27 lbs.

▲ = Represented by isoline at right

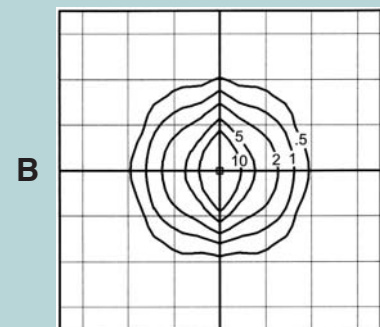
Note: All 4100 Series fixtures meet IESNA full cutoff criteria at 0° tilt.

### FOOTCANDLE (fc1) ISOLINES

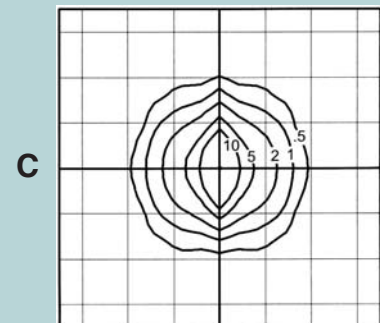
1.0 Ilf, 0° tilt, grid increment = mtg. ht.



4100-2-150HPS



4100-5-150HPS



4100-5-250HPS

### CONVERSION FACTORS (CF)

$$fc2 = fc1 \times CF$$

fc2 is footcandle for applicable wattage and mounting height

For isolines **A** and **B**

	FIXTURE MTG. HT. (in feet)			
	10	12	15	17
70HPS	0.90	0.62	0.40	0.31
100HPS	1.33	0.92	0.59	0.46
150HPS	2.25	1.56	1.00	0.78

For isoline **C**

	15	17	20	22
250HPS	1.78	1.38	1.00	0.82