#### **RoHS COMPLIANT**



### **Applications**

- Area Lighting
- HID Magnetic Ballast Kits for Greenhouses or Hydroponics
- High / Low Bay / Warehousing
- Horticultural Lighting
- Parking Lot Installations
- Sign Ballast Kits
- Sports Lighting
- Street Lamp Fixtures
- Street Lighting

## **Lighting Capacitors**

FILM CAPACITORS FOR HIGH INTENSITY DISCHARGE (HID) AND SIGN BALLAST LIGHTING

Aerovox produces both oil-filled and dry capacitors for the HID and sign ballast lighting markets. Constructed with film designed to withstand the rigors of the application, these units are built to operate up to 105°C.

HID lighting capacitors are built with a  $\pm 3\%$  tolerance on capacitance, and are designed to operate for a minimum of 60,000 hours. Sign ballast capacitors are constructed with film/foil technology and have tolerances based on application requirements.

#### **Highlights**

- Made to EIA-456-A standards
- Metal or plastic case
- Wet or dry construction
- Life test temperature to 105°C
- 18 AWG wire lead termination
- RoHS compliant
- Dual rated HID
- Dual or triple value caps for sign ballasts
- UL-810 fault current protection

#### **Specifications**

Capacitance Range:	1 to 75 $\mu F$ for HID; 1.4 to 2.6 $\mu F$ with dual or triple rating for sign ballasts
HID Capacitance Tolerance:	±3%
AC Voltage Range:	120 VAC to 660 VAC for HID; 550 VAC to 1,200 VAC for sign ballasts
Temperature Range:	-40°C to +105°C for HID; 0°C to +85°C for sign ballasts
Approval Certification:	UL, cUL UL construction only for dry HID



# **Lighting Capacitors**

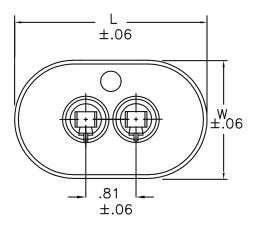
, FILM CAPACITORS FOR HIGH INTENSITY DISCHARGE (HID) AND SIGN BALLAST LIGHTING

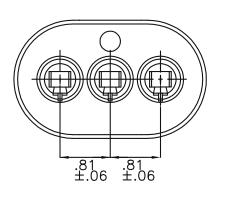
### **Oval Oil-Filled Case Sizes**

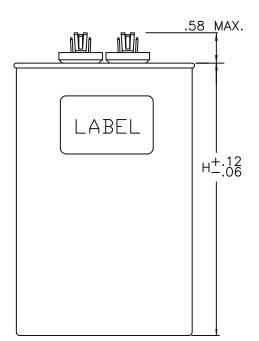
Base Size Description		L Inches	W Inches
А	1¼" Oval	2.16	1.31
В	1½" Oval	2.69	1.56
С	1¾" Oval	2.91	1.91
D	2" Oval	3.66	1.97

**Oval Single Cover Configuration** 

**Oval Dual Cover Configuration** 





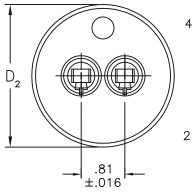


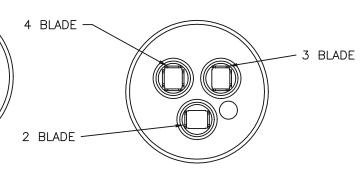
## **Round Oil-Filled Case Sizes**

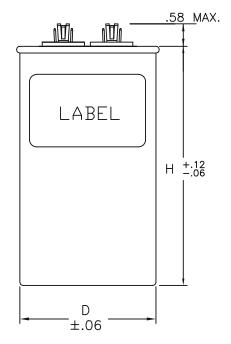
Base Size Description		D Inches	D <sub>2</sub> Inches
P 1¾" Round		1.75	1.87
S	2" Round	2.00	<mark>2.12</mark>
Т	2½" Round	2.50	2.62

Round Single Cover Configuration

**Round Dual Cover Configuration** 









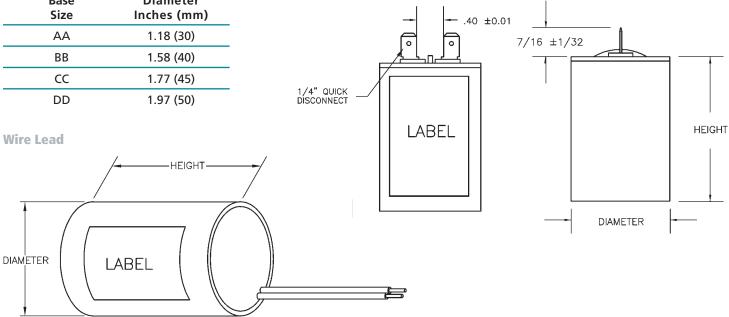
## **Lighting Capacitors**

FILM CAPACITORS FOR HIGH INTENSITY DISCHARGE (HID) AND SIGN BALLAST LIGHTING

#### **Dry Plastic Case Sizes**

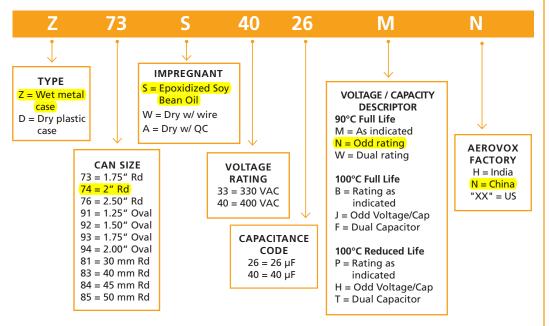
Base Size	Diameter Inches (mm)
AA	1.18 (30)
BB	1.58 (40)
СС	1.77 (45)
DD	1.97 (50)

**Quick Connect** 



#### **Part Numbering System**

Aerovox's part numbering system is a descriptive part number made of several different components such as can size, voltage rating, etc. The descriptors are explained below using Z73S4026MN as a representative part number:



# **Aerovox**®

# **Lighting Capacitors**

FILM CAPACITORS FOR HIGH INTENSITY DISCHARGE (HID) AND SIGN BALLAST LIGHTING

#### **Oil-Filled, Round Metal Case**

Rated for 60,000 hours

CAP (µF)	AEROVOX P/N	BASE SIZE	CAN HEIGHT Inches (mm)	
300 VAC, 90°C Case Temperature				
8	Z73S3008MN	Р	2.17 (55.1)	
14	Z73S3014MN	Р	2.38 (60.5)	
22.5	Z73S3022NN	Р	2.88 (73.2)	

#### **330 VAC, 90°C Case Temperature**

5	Z73S3305MN	Р	2.25 (57.2)
7	Z73S3307MN	Р	2.88 (73.2)
12	Z73S3312MN	Р	2.38 (60.5)
14	Z73S3314MN	Р	2.88 (73.2)
28	Z73S3328MN	Р	3.15 (80.0)

#### 400 VAC, 90°C Case Temperature VAC

10	Z73S4010MN	Р	2.38 (60.5)
15	Z73S4015MN	Р	2.88 (73.2)
22.5	Z73S4022NN	Р	3.75 (95.3)
24	Z73S4024MN	Р	3.75 (95.3)

#### 480 VAC, 90°C Case Temperature

10	Z73S4810MN	Р	2.88 (73.2)
24	Z74S4824MN	S	3.25 (82.6)
24	Z7654824MN	Т	3.15 (80.0)

#### 525 VAC, 90°C Case Temperature

26	Z74S5226NN	S	4.75 (120.7)
<mark>32</mark>	Z74S5232NN	S	4.92 (125.0)
32	Z76S5232NN	Т	3.55 (90.2)

CAP (µF)	AEROVOX P/N	BASE SIZE	CAN HEIGHT Inches (mm)	VAC
400-480 VAC, 100°C Case Temperature				
10	Z73S4010BN	Р	2.38 (60.5)	400
15	Z73S4015BN	Р	3.25 (82.6)	400
24	Z74S4024BN	S	3.75 (95.3)	400
24	Z74S4824BN	S	4.25 (108.0)	480

# Aerovox<sup>®</sup>