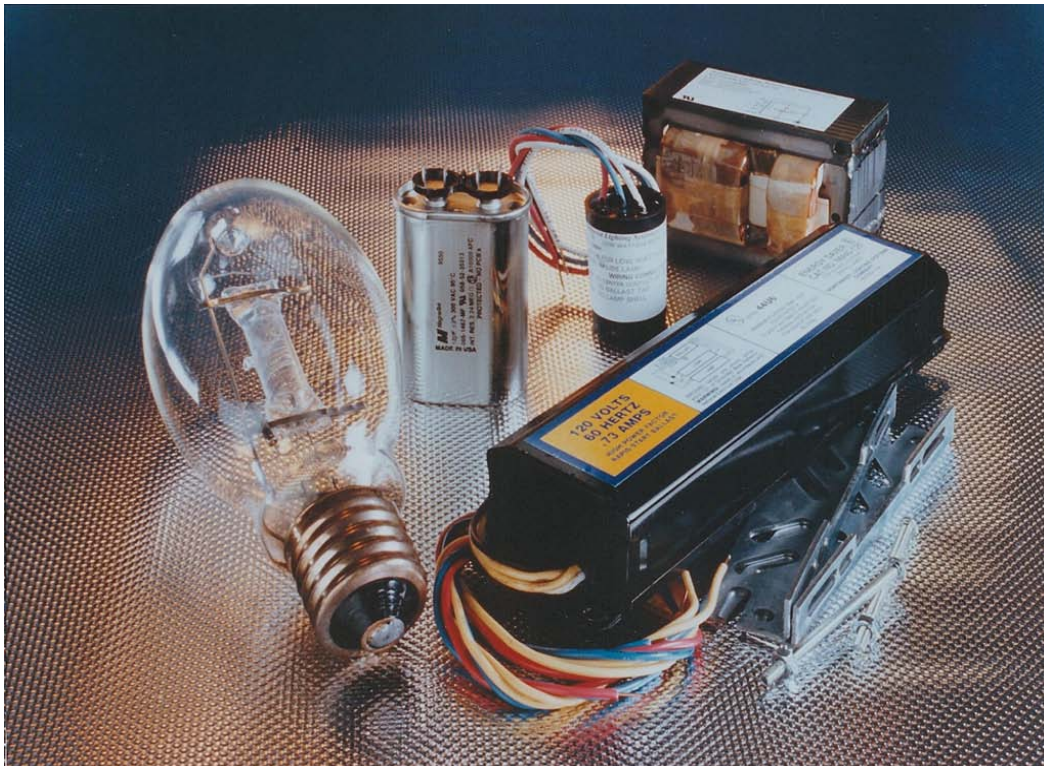




HID BALLASTS

High Pressure Sodium



13 Columbia Dr. #12 Amherst, NH 03031

www.souheganlighting.com

Toll Free: 877-610-4010 Phone: 603-889-8962 Fax: 603-889-0291

Table of Contents

<u>Ballast Specification</u>	<u>Page</u>
35W 120V HPS	<u>3</u>
50W 120V HPS	<u>4</u>
70W 120V HPS	<u>5</u>
70W Quad HPS	<u>6</u>
100W 120V HPS	<u>7</u>
100W Quad HPS	<u>8</u>
150W 120V HPS	<u>9</u>
150W Quad HPS	<u>10</u>
150W 480V HPS	<u>11</u>
250W Quad HPS	<u>12</u>
250W 480V HPS	<u>13</u>
400W Quad HPS	<u>14</u>
400W 480V HPS	<u>15</u>
1000W Quad HPS	<u>16</u>
1000W 480V HPS	<u>17</u>

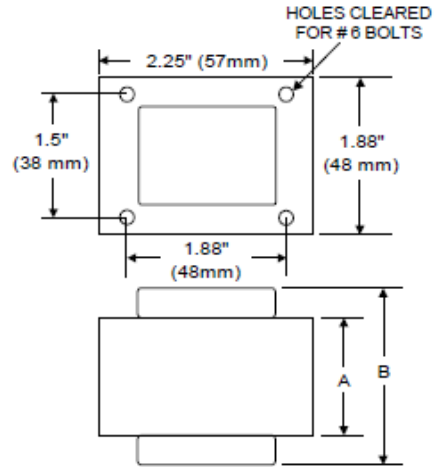


BALLAST SPECIFICATIONS

35W S76
High Pressure Sodium
S35S-12
60 Hz Reactor-NPF

Input Volts	120			
Line Current (Amps)				
Operating	0.85			
Open Circuit				
Starting	0.75			
Recommended Fuse (Amps)	3			
Regulation				
Line Volts	±5%			
Lamp Watts	±12%			
Temperature Ratings				
Insulation Class	180 (H)			
Coil Temperature Code	A			
Benchtop Coil Rise				
Power Factor (Min)	40%			
Input Watts	45 W			
Efficiency				
NOM. Open Circuit Voltage	120			
Input Voltage At Lamp Dropout				
Min Ambient Starting Temp	-40°F / -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,500 V			
Open Circuit Voltage Test (V)	110 – 35			
Short Circuit Current Test (A)				
Min	.00			
Secondary Current				
Max	.00			
Min				
Input Current				
Max				
CORE and COIL Specifications				
Dimension (A)	.90 in			
Dimension (B)	2.15 in			
Weight	2.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads				
Volts (Min)				

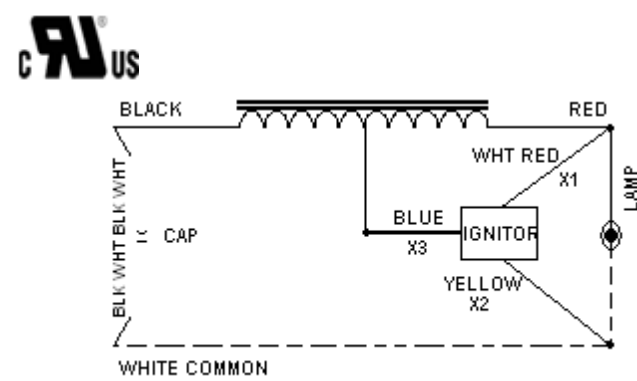
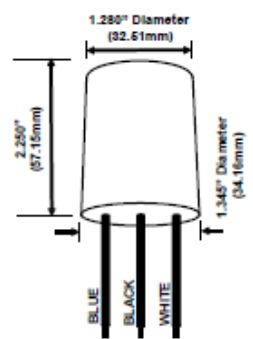
0.75EI CORE.wmf



Capacitor: NONE Ignitor: S55V

Volts (Max): V Case Temp (Max): 105 °C
 BTL Distance (Max): 12 ft

This Ballast Does Not Require A Capacitor

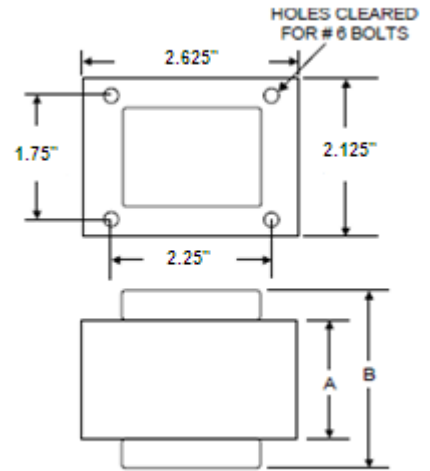


BALLAST SPECIFICATIONS

50 W S68
High Pressure Sodium
S50S-12
60 Hz Reactor-NPF

Input Volts	120			
Line Current (Amps)				
Operating	1.20			
Open Circuit				
Starting	1.10			
Recommended Fuse (Amps)	2			
Regulation				
Line Volts	±5%			
Lamp Watts	±12%			
Temperature Ratings				
Insulation Class	180 (H)			
Coil Temperature Code	A			
Benchtop Coil Rise				
Power Factor (Min)	40%			
Input Watts	65W			
Efficiency				
NOM. Open Circuit Voltage	120			
Input Voltage At Lamp Dropout	95			
Min Ambient Starting Temp	-40°F / -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,500 V			
Open Circuit Voltage Test (V)	110 – 135			
Short Circuit Current Test (A)				
Min	1.35			
Secondary Current				
Max	1.65			
Min	0.55			
Input Current				
Max	0.95			
CORE and COIL Specifications				
Dimension (A)	1.15 in			
Dimension (B)	2.35 in			
Weight	2.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads				
Volts (Min)				

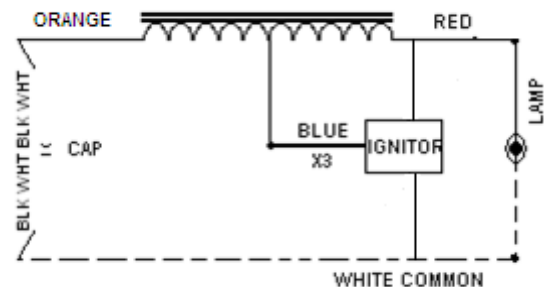
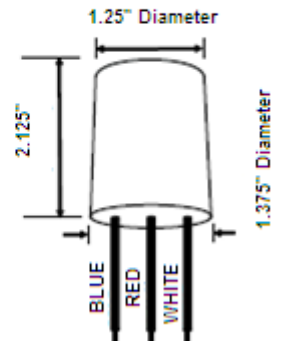
0.75EI CORE.wmf



Capacitor: NONE Ignitor: S55V

Case Temp (Max): 105 °C
 BTL Distance (Max) 12 ft

This Ballast
 Does Not
 Require
 A Capacitor

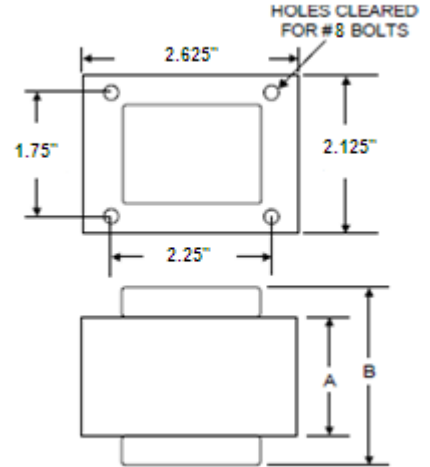


BALLAST SPECIFICATIONS

**70W S62
High Pressure Sodium
S70S-12
60 Hz Reactor-NPF**

Input Volts	120			
Line Current (Amps)				
Operating	1.70			
Open Circuit				
Starting	1.25			
Recommended Fuse (Amps)	5			
Regulation				
Line Volts	±5%			
Lamp Watts	±9%			
Temperature Ratings				
Insulation Class	180 (H)			
Coil Temperature Code	B			
Benchtop Coil Rise				
Power Factor (Min)	40%			
Input Watts	85 W			
Efficiency				
NOM. Open Circuit Voltage	120			
Input Voltage At Lamp Dropout				
Min Ambient Starting Temp	-40°F / -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,500 V			
Open Circuit Voltage Test (V)	110 – 135			
Short Circuit Current Test (A)				
Min	.00			
Secondary Current				
Max	.00			
Min				
Input Current				
Max				
CORE and COIL Specifications				
Dimension (A)	1.29 in			
Dimension (B)	2.55 in			
Weight	3.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads				
Volts (Min)				

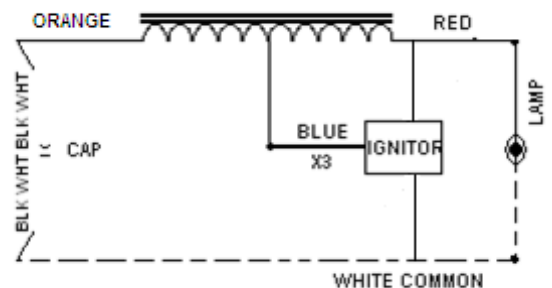
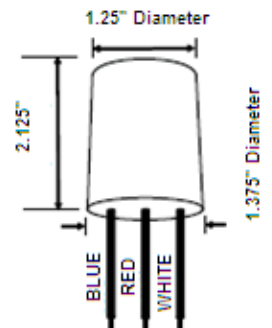
78EI CORE.wmf



Capacitor: NONE Ignitor: S55V

Case Temp (Max): 105 °C
BTL Distance (Max) 12 ft

This Ballast Does Not Require A Capacitor



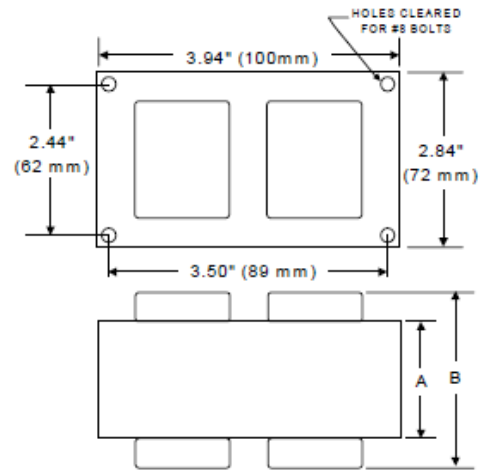


BALLAST SPECIFICATIONS

**70W S62
High Pressure Sodium
S70S-4
60 Hz Reactor-NPF**

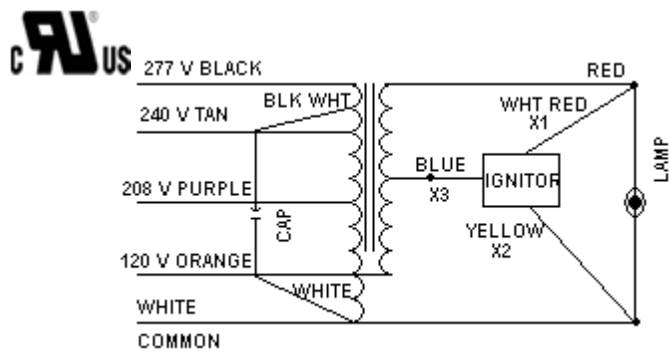
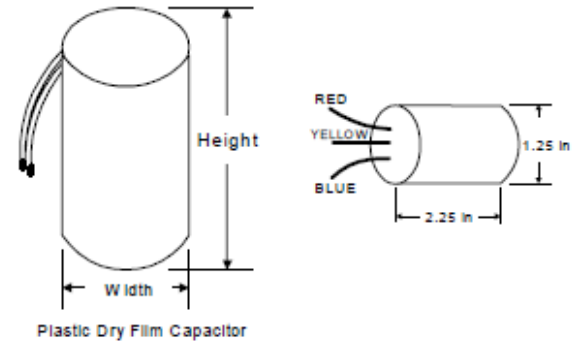
Input Volts	120	208	240	277
Line Current (Amps)				
Operating	0.80	0.45	0.40	0.35
Open Circuit	1.50	0.85	0.75	0.65
Starting	0.60	0.35	0.30	0.25
Regulation				
Line Volts	±5%	±5%	±5%	±5%
Lamp Watts	±10%	±10%	±10%	±10%
UL Temperature Ratings				
Insulation Class	H	H	H	H
Coil Temperature Code	A	A	A	A
Benchtop Coil Rise	51.2	49.0	51.0	48.3
Input Watts	90 W	90 W	90 W	90 W
NOM. Open Circuit Voltage	120	120	120	120
Power Factor	90%	90%	90%	90%
Current Crest Factor	1.50	1.50	1.50	1.50
Input Voltage At Lamp Dropout	90	160	180	205
MIN. Ambient Starting Temp.	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V	2,000 V	2,000 V	2,000 V
1 Second	2,500 V	2,500 V	2,500 V	2,500 V
Open Circuit Voltage Test (V)	105 – 135	105 – 135	105 – 135	105 – 135
Short Circuit Current Test (A)				
Min	1.80	1.80	1.80	1.80
Secondary Current				
Max	2.20	2.20	2.20	2.20
Min	0.40	0.25	0.20	0.15
Input Current				
Max	0.70	0.40	0.35	0.30
Recommended Fuse (Amps)	4	3	2	2
CORE and COIL Specifications				
Dimension (A)	1.50 in	1.50 in	1.50 in	1.50 in
Dimension (B)	2.95 in	2.95 in	2.95 in	2.95 in
Weight	4.6 lbs	4.6 lbs	4.6 lbs	4.6 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	7.0 uf	7.0 uf	7.0 uf	7.0 uf
Volts (Min)	280 V	280 V	280 V	280 V

3X4 CORE – HX, CWA & CWI UNITS



Capacitor: CA300DL Ignitor: S55V

Temp Rating: 100 °C Temp: 105 °C
Height: 2.72 in BTL: 5 ft
Dia/Oval Dim 1.38 in

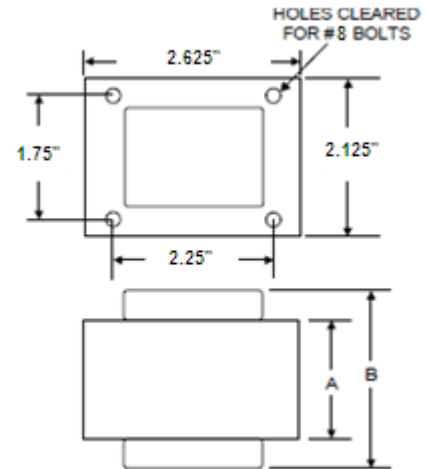


BALLAST SPECIFICATIONS

**100W S54
High Pressure Sodium
S100S-12
60 Hz Reactor-NPF**

Input Volts	120			
Line Current (Amps)				
Operating	2.15			
Open Circuit				
Starting	1.80			
Recommended Fuse (Amps)	6			
Regulation				
Line Volts	±5%			
Lamp Watts	±8%			
Temperature Ratings				
Insulation Class	180 (H)			
Coil Temperature Code	E			
Benchtop Coil Rise				
Power Factor (Min)	40%			
Input Watts	118 W			
Efficiency				
NOM. Open Circuit Voltage	120			
Input Voltage At Lamp Dropout				
Min Ambient Starting Temp	-40°F/ -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,500 V			
Open Circuit Voltage Test (V)	110 – 135			
Short Circuit Current Test (A)				
Min	.00			
Secondary Current				
Max	.00			
Min				
Input Current				
Max				
CORE and COIL Specifications				
Dimension (A)	1.48 in			
Dimension (B)	2.75 in			
Weight	3.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads				
Volts (Min)				

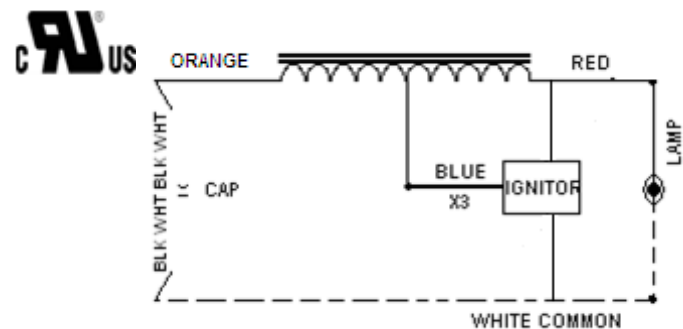
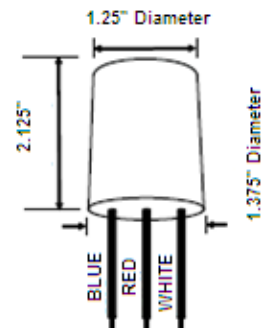
78EI CORE.wmf



Capacitor: NONE Ignitor: S55V

Case Temp (Max): 105 °C
BTL Distance (Max) 12 ft

This Ballast
Does Not
Require
A Capacitor



BALLAST SPECIFICATIONS

100W S54

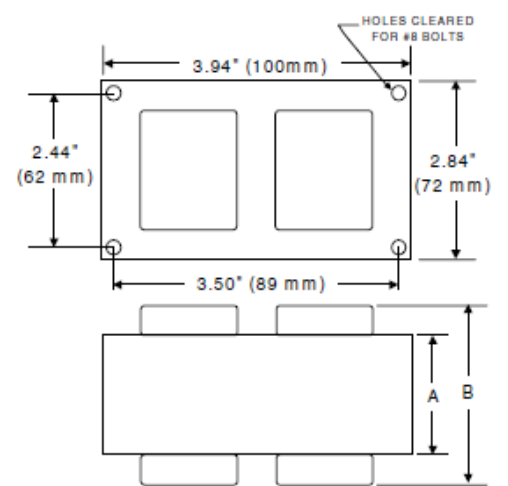
High Pressure Sodium

S100S-4

60 Hz HX-HPF

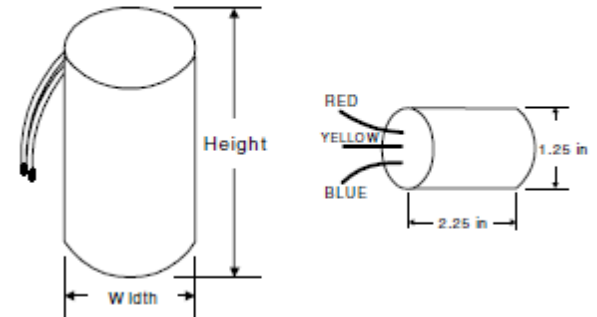
Input Volts	120	208	240	277
Line Current (Amps)				
Operating	1.10	0.60	0.55	0.45
Open Circuit	2.10	1.20	1.05	0.90
Starting	0.90	0.55	0.45	0.40
Regulation				
Line Volts	±5%	±5%	±5%	±5%
Lamp Watts	±10%	±10%	±10%	±10%
UL Temperature Ratings				
Insulation Class	H	H	H	H
Coil Temperature Code	A	A	A	A
Benchtop Coil Rise				
Input Watts	126 W	126 W	126 W	126 W
NOM. Open Circuit Voltage	130	130	130	130
Power Factor	90%	90%	90%	90%
Current Crest Factor	1.50	1.50	1.50	1.50
Input Voltage At Lamp Dropout	90	160	180	210
MIN. Ambient Starting Temp.	-20°F/ -30°C	-20°F/ -30°C	-20°F/ -30°C	-20°F/ -30°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V	2,000 V	2,000 V	2,000 V
1 Second	2,500 V	2,500 V	2,500 V	2,500 V
Open Circuit Voltage Test (V)	115 – 145	115 – 145	115 – 145	115 – 145
Short Circuit Current Test (A)				
Min	2.50	2.50	2.50	2.50
Secondary Current				
Max	2.80	2.80	2.80	2.80
Min	0.70	0.40	0.35	0.30
Input Current				
Max	1.00	0.60	0.50	0.45
Recommended Fuse (Amps)	6	3	3	3
CORE and COIL Specifications				
Dimension (A)	2.00 in	2.00 in	2.00 in	2.00 in
Dimension (B)	3.45 in	3.45 in	3.45 in	3.45 in
Weight	5.9 lbs	5.9 lbs	5.9 lbs	5.9 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	10.0 uf	10.0 uf	10.0 uf	10.0 uf
Volts (Min)	280 V	280 V	280 V	280 V

3X4 CORE – HX, CWA & CWI UNITS

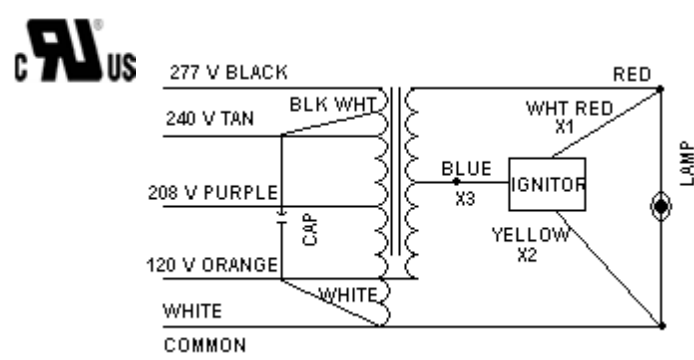


Capacitor: CA10280DL	Ignitor: S55V
----------------------	---------------

Temp Rating: 100 °C	Temp: 105 °C
Height: 2.72 in	BTL: 5 ft
Dia/Oval Dim 1.48 in	



Plastic Dry Film Capacitor



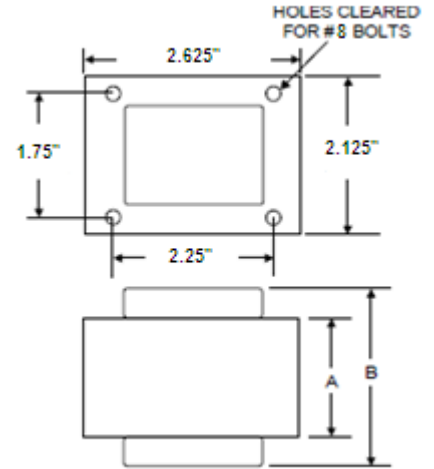


BALLAST SPECIFICATIONS

**150W S55
High Pressure Sodium
S150S-12
60 Hz Reactor-HPF**

Input Volts	120			
Line Current (Amps)				
Operating	1.50			
Open Circuit	2.45			
Starting	2.00			
Recommended Fuse (Amps)	4			
Regulation				
Line Volts	±5%			
Lamp Watts	±10%			
Temperature Ratings				
Insulation Class	180 (H)			
Coil Temperature Code	E			
Benchtop Coil Rise				
Power Factor (Min)	90%			
Input Watts	166W			
Efficiency				
NOM. Open Circuit Voltage	120			
Input Voltage At Lamp Dropout	95			
Min Ambient Starting Temp	-40°F/ -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,500 V			
Open Circuit Voltage Test (V)	110 – 135			
Short Circuit Current Test (A)				
Min	3.80			
Secondary Current				
Max	4.70			
Min	1.50			
Input Current				
Max	2.50			
CORE and COIL Specifications				
Dimension (A)	2.00 in			
Dimension (B)	3.05 in			
Weight	4.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads	52.0 uf			
Volts (Min)	120 V			

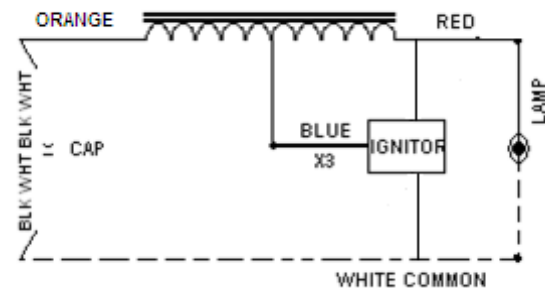
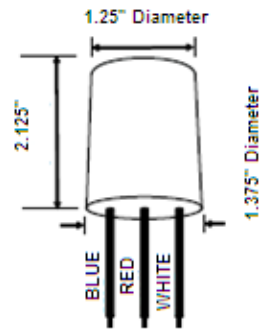
78EI CORE.wmf



Capacitor: NONE Ignitor: S55V

Case Temp (Max): 105 °C
BTL Distance (Max) 12 ft

This Ballast Does Not Require A Capacitor



BALLAST SPECIFICATIONS

150W S55

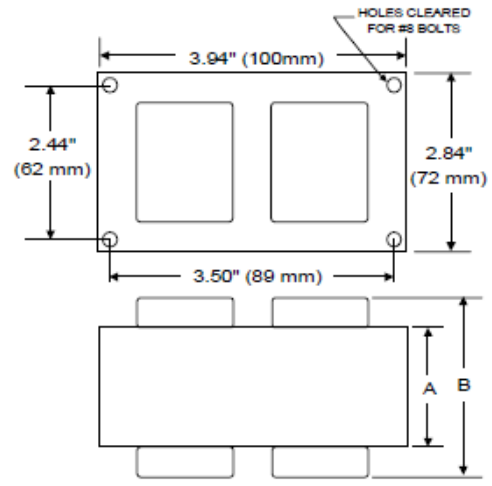
High Pressure Sodium

S150S-4

60 Hz HX-HPF

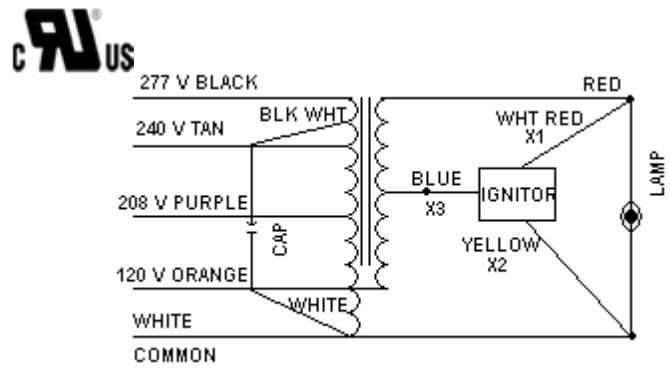
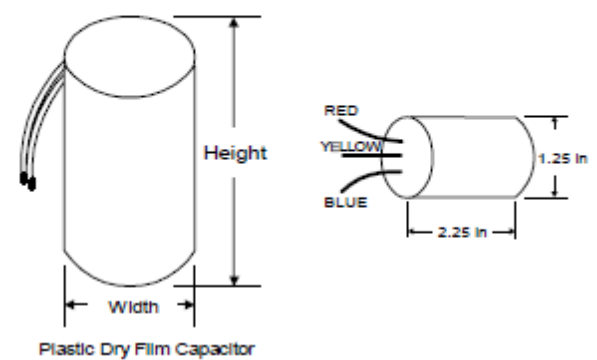
Input Volts	120	208	240	277
Line Current (Amps)				
Operating	1.60	0.85	0.80	0.70
Open Circuit	2.80	1.60	1.40	1.25
Starting	1.60	0.85	0.80	0.70
Regulation				
Line Volts	±5%	±5%	±5%	±5%
Lamp Watts	±10%	±10%	±10%	±10%
UL Temperature Ratings				
Insulation Class	H	H	H	H
Coil Temperature Code	D	B	C	C
Benchtop Coil Rise	86.3	79.6	83.9	83.5
Input Watts	188 W	188 W	188 W	188 W
NOM. Open Circuit Voltage	120	120	120	120
Power Factor	90%	90%	90%	90%
Current Crest Factor	1.50	1.50	1.50	1.50
Input Voltage At Lamp Dropout	95	180	190	225
MIN. Ambient Starting Temp.	-40°F/ -40°C	-40°F/ -40°C	-40°F/ -40°C	-40°F/ -40°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V	2,000 V	2,000 V	2,000 V
1 Second	2,500 V	2,500 V	2,500 V	2,500 V
Open Circuit Voltage Test (V)	105 – 135	105 – 135	105 – 135	105 – 135
Short Circuit Current Test (A)				
Min	3.80	3.80	3.80	3.80
Secondary Current				
Max	4.70	4.70	4.70	4.70
Input Current				
Min	1.20	0.65	0.60	0.50
Max	1.85	1.00	0.95	0.80
Recommended Fuse (Amps)	7	4	4	4
CORE and COIL Specifications				
Dimension (A)	2.50 in	2.50 in	2.50 in	2.50 in
Dimension (B)	3.80 in	3.80 in	3.80 in	3.80 in
Weight	7.4 lbs	7.4 lbs	7.4 lbs	7.4 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	14.0 uf	14.0 uf	14.0 uf	14.0 uf
Volts (Min)	280 V	280 V	280 V	280 V

3X4 CORE – HX, CWA & CWI UNITS



Capacitor:	CA14300DL	Ignitor:	S55V
------------	-----------	----------	------

Temp Rating:	100 °C	Temp:	105 °C
Height:	3.92 in	BTL:	10 ft
Dia/Oval Dim	1.38 in		



BALLAST SPECIFICATIONS

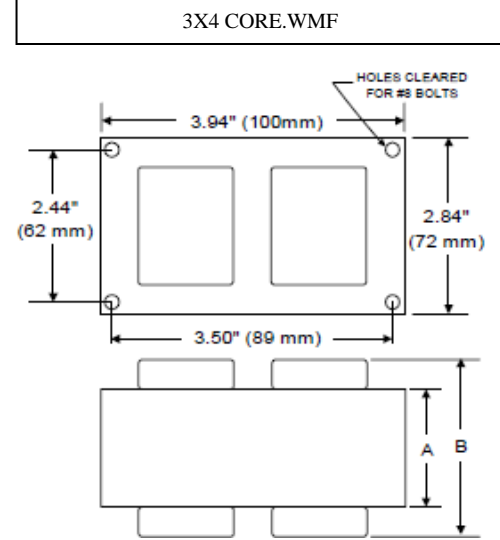
150W S55

High Pressure Sodium

S150S-48

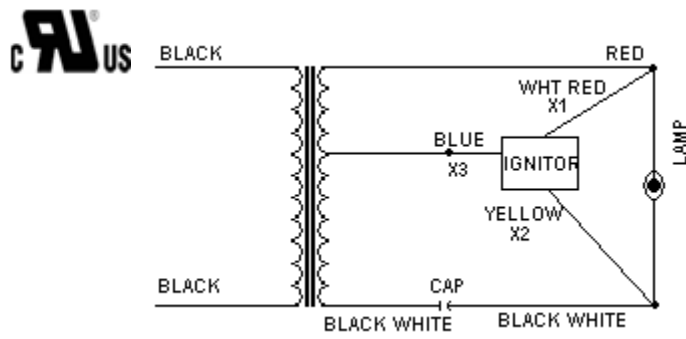
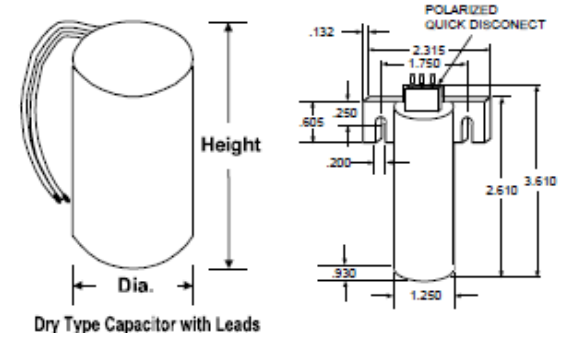
60 Hz CWI

Input Volts	480			
Line Current (Amps)				
Operating	0.40			
Open Circuit	0.20			
Starting	0.25			
Recommended Fuse (Amps)	1			
Regulation				
Line Volts	±10%			
Lamp Watts	±6%			
Temperature Ratings				
Insulation Class	180 (H)			
Coil Temperature Code	D			
Benchtop Coil Rise	85.0			
Power Factor (Min)	90%			
Input Watts	186 W			
Efficiency				
NOM. Open Circuit Voltage	120			
Input Voltage At Lamp Dropout	250			
Min Ambient Starting Temp	-40°F/ -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,500 V			
Open Circuit Voltage Test (V)	105 – 130			
Short Circuit Current Test (A)				
Min	3.90			
Secondary Current				
Max	4.80			
Min	0.20			
Input Current				
Max	0.30			
CORE and COIL Specifications				
Dimension (A)	3.15 in			
Dimension (B)	4.55 in			
Weight	11.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads	51.0 uf			
Volts (Min)	180 V			



Capacitor:	CA14300DL	Ignitor:	S55V
------------	-----------	----------	------

Microfarads:	51.0 uf	Case Temp (Max):	105 °C
Volts (Max):	280 V	BTL Distance (Max):	3 ft
Case Temp (Max):	100 °C		
Height (Max):	4.80 in		
Dia (Max):	1.80 in		



BALLAST SPECIFICATIONS

250W S50

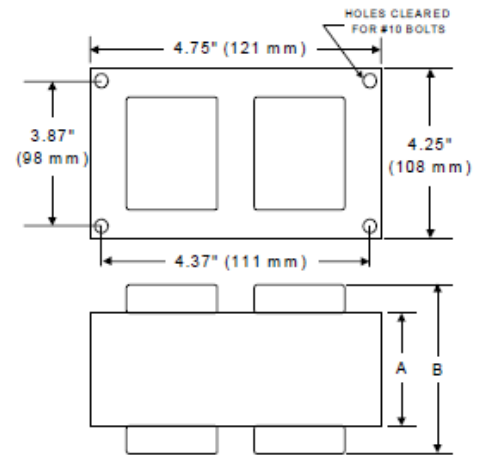
High Pressure Sodium

S250S-4

60 Hz CWA

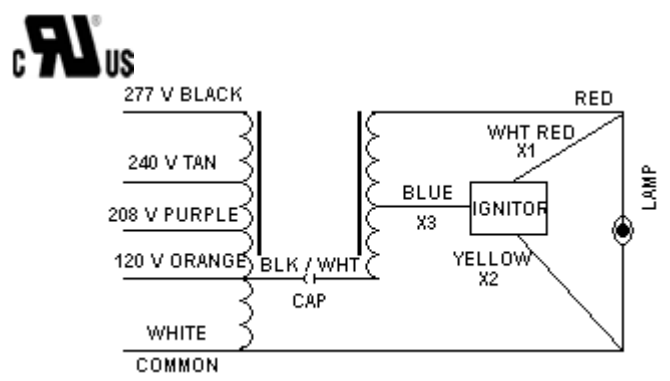
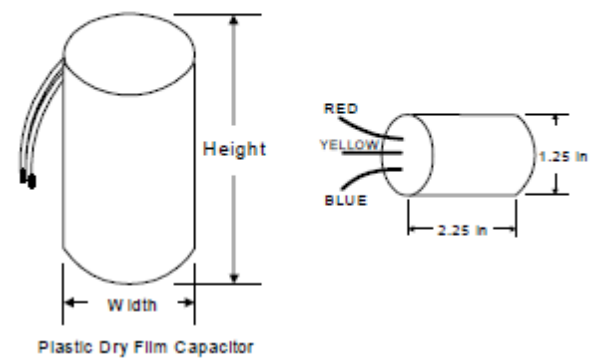
Input Volts	120	208	240	277
Line Current (Amps)				
Operating	2.50	1.45	1.25	1.10
Open Circuit	1.90	1.10	0.95	0.85
Starting	1.80	1.00	0.90	0.75
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±13%	±13%	±13%	±13%
UL Temperature Ratings				
Insulation Class	H	H	H	H
Coil Temperature Code	B	B	B	B
Benchtop Coil Rise	77.4	79.3	79.1	77.9
Input Watts	295 W	295 W	295 W	295 W
NOM. Open Circuit Voltage	195	195	195	195
Power Factor	90%	90%	90%	90%
Current Crest Factor	1.65	1.65	1.65	1.65
Input Voltage At Lamp Dropout	85	145	170	195
MIN. Ambient Starting Temp.	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	1,600 V	1,600 V	1,600 V	1,600 V
1 Second	2,000 V	2,000 V	2,000 V	2,000 V
Open Circuit Voltage Test (V)	175 – 215	175 – 215	175 – 215	175 – 215
Short Circuit Current Test (A)				
Min	3.80	3.80	3.80	3.80
Secondary Current				
Max	4.70	4.70	4.70	4.70
Min	1.25	0.70	0.60	0.50
Input Current				
Max	1.90	1.10	0.95	0.85
Recommended Fuse (Amps)	7	4	4	3
CORE and COIL Specifications				
Dimension (A)	1.80 in	1.80 in	1.80 in	1.80 in
Dimension (B)	3.60 in	3.60 in	3.60 in	3.60 in
Weight	11.0 lbs	11.0 lbs	11.0 lbs	11.0 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	35.0 uf	35.0 uf	35.0 uf	35.0 uf
Volts (Min)	240 V	240 V	240 V	240 V

4X4 CORE – HX, CWA & CWI UNITS



Capacitor: CA35280DL	Ignitor: S100V
----------------------	----------------

Temp Rating: 100 °C	Temp: 105 °C
Height: 3.92 in	BTL: 2 ft
Dia/Oval Dim 1.60 in	



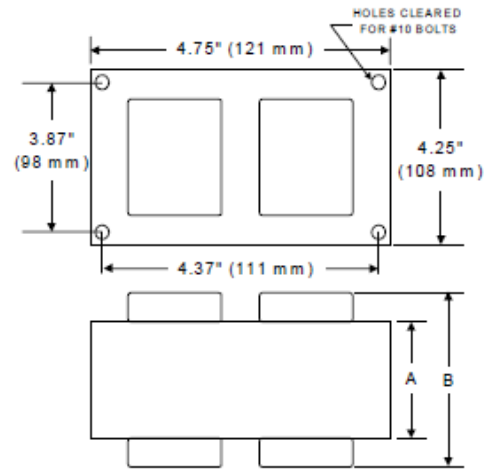


BALLAST SPECIFICATIONS

250W S50
High Pressure Sodium
S250S-48/12
60 Hz CWA

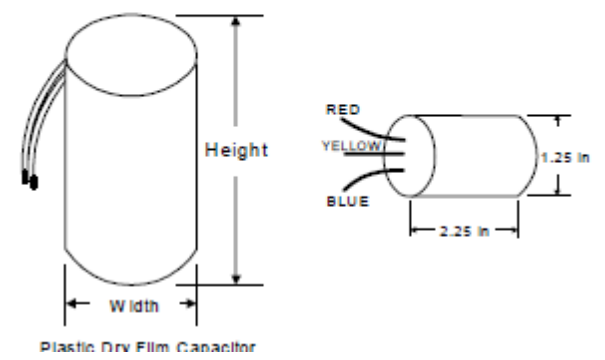
Input Volts	480			
Line Current (Amps)				
Operating	0.65			
Open Circuit	0.40			
Starting	0.47			
Regulation				
Line Volts	±10%			
Lamp Watts	±12%			
UL Temperature Ratings				
Insulation Class	H			
Coil Temperature Code	B			
Benchtop Coil Rise				
Input Watts	305 W			
NOM. Open Circuit Voltage	200			
Power Factor	90%			
Current Crest Factor	1.65			
Input Voltage At Lamp Dropout	320			
MIN. Ambient Starting Temp.	-40°F / -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,400 V			
Open Circuit Voltage Test (V)	180 – 220			
Short Circuit Current Test (A)				
Min	3.80			
Secondary Current				
Max	4.70			
Min	0.30			
Input Current				
Max	0.60			
Recommended Fuse (Amps)	2			
CORE and COIL Specifications				
Dimension (A)	1.80 in			
Dimension (B)	3.60 in			
Weight	11.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads	35.0 uf			
Volts (Min)	240 V			

4X4 CORE – HX, CWA & CWI UNITS

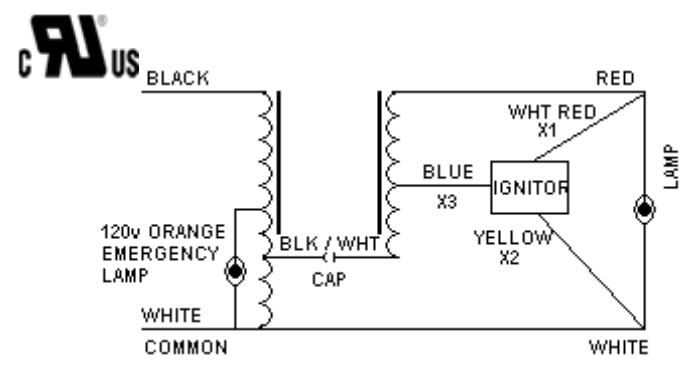


Capacitor: CA35280DL Ignitor: S100V

Temp Rating: 100 °C Temp: 105 °C
 Height: 3.92 in BTL: 2 ft
 Dia/Oval Dim 1.60 in



Plastic Dry Film Capacitor





BALLAST SPECIFICATIONS

400W S51

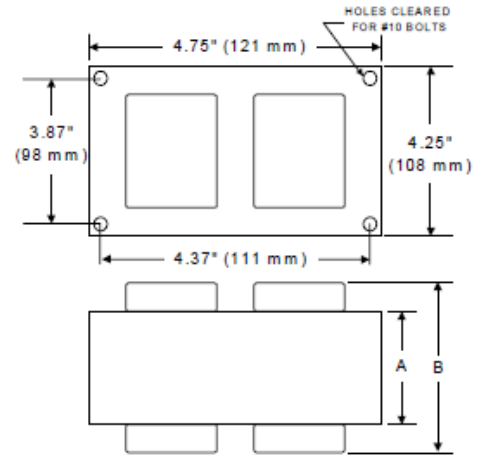
High Pressure Sodium

S400S-4

60 Hz CWA

Input Volts	120	208	240	277
Line Current (Amps)				
Operating	3.80	2.20	1.90	1.70
Open Circuit	1.50	0.85	0.75	0.65
Starting	3.70	2.15	1.85	1.60
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±13%	±13%	±13%	±13%
UL Temperature Ratings				
Insulation Class	H	H	H	H
Coil Temperature Code	C	C	C	C
Benchtop Coil Rise	83.8	84.2	85.9	82.3
Input Watts	460 W	460 W	460 W	460 W
NOM. Open Circuit Voltage	195	195	195	195
Power Factor	90%	90%	90%	90%
Current Crest Factor	1.60	1.60	1.60	1.60
Input Voltage At Lamp Dropout	90	155	180	205
MIN. Ambient Starting Temp.	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	1,600 V	1,600 V	1,600 V	1,600 V
1 Second	2,000 V	2,000 V	2,000 V	2,000 V
Open Circuit Voltage Test (V)	175 - 215	175 - 215	175 - 215	175 - 215
Short Circuit Current Test (A)				
Min	6.25	6.25	6.25	6.25
Secondary Current				
Max	7.65	7.65	7.65	7.65
Min	3.00	1.70	1.50	1.30
Input Current				
Max	4.50	2.60	2.25	1.95
Recommended Fuse (Amps)	10	7	6	5
CORE and COIL Specifications				
Dimension (A)	2.30 in	2.30 in	2.30 in	2.30 in
Dimension (B)	4.20 in	4.20 in	4.20 in	4.20 in
Weight	14.0 lbs	14.0 lbs	14.0 lbs	14.0 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	55.0 uf	55.0 uf	55.0 uf	55.0 uf
Volts (Min)	240 V	240 V	240 V	240 V

4X4 CORE – HX, CWA & CWI Units

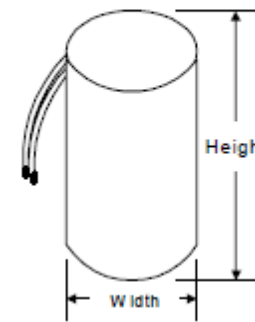


Capacitor: CA55240DL

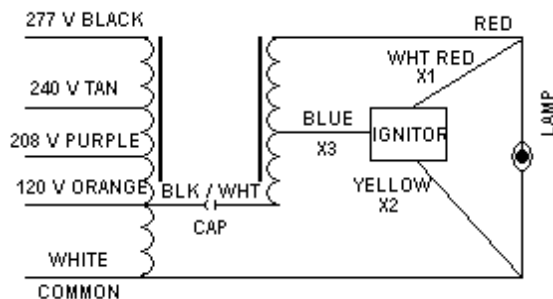
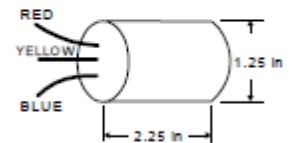
Ignitor: S100V

Temp Rating: 100 °C
Height: 4.87 in
Dia/Oval Dim 1.75 in

Temp: 105 °C
BTL: 2 ft



Plastic Dry Film Capacitor



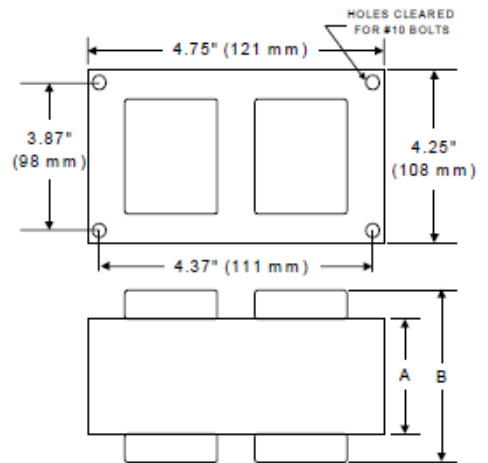


BALLAST SPECIFICATIONS

400W S51 High Pressure Sodium S400S-48/12 60 Hz CWA

Input Volts	480			
Line Current (Amps)				
Operating	1.00			
Open Circuit	0.40			
Starting	0.80			
Regulation				
Line Volts	±10%			
Lamp Watts	±13%			
UL Temperature Ratings				
Insulation Class	H			
Coil Temperature Code	C			
Benchtop Coil Rise	81.9			
Input Watts	464 W			
NOM. Open Circuit Voltage	195			
Power Factor	90%			
Current Crest Factor	1.63			
Input Voltage At Lamp Dropout	370			
MIN. Ambient Starting Temp.	-40°F / -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,400 V			
Open Circuit Voltage Test (V)	175 – 215			
Short Circuit Current Test (A)				
Min	6.35			
Secondary Current				
Max	7.75			
Min	0.55			
Input Current				
Max	0.90			
Recommended Fuse (Amps)	3			
CORE and COIL Specifications				
Dimension (A)	2.60 in			
Dimension (B)	4.45 in			
Weight	15.0 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads	55.0 uf			
Volts (Min)	240 V			

4X4 CORE – HX, CWA & CWI Units

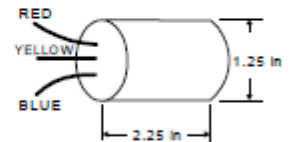
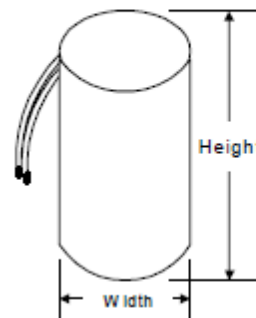


Capacitor: CA55240DL

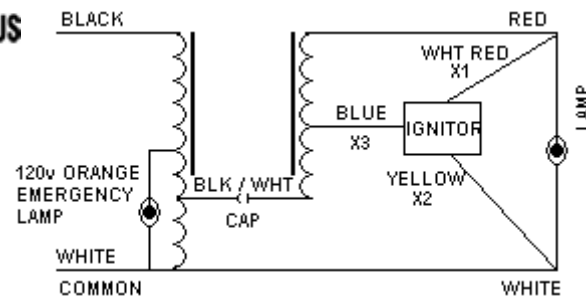
Ignitor: S100V

Temp Rating: 100 °C
Height: 4.87 in
Dia/Oval Dim 1.75 in

Temp: 105 °C
BTL: 15 ft



Plastic Dry Film Capacitor



BALLAST SPECIFICATIONS

1000W S52

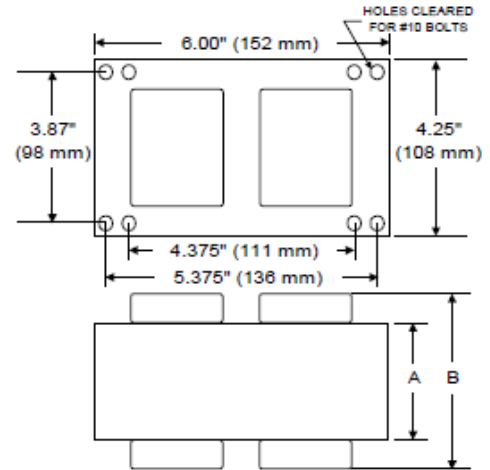
High Pressure Sodium

S1000S-4

60 Hz CWA

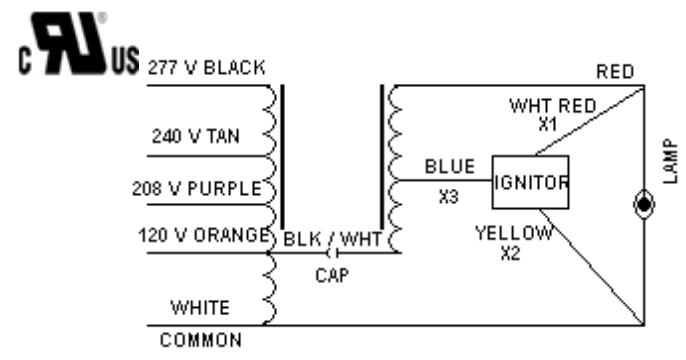
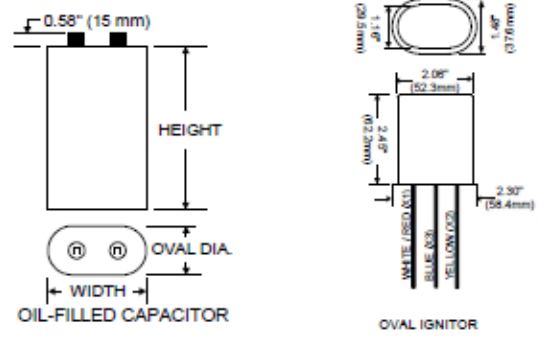
Input Volts	120	208	240	277
Line Current (Amps)				
Operating	9.50	5.50	4.75	4.20
Open Circuit	4.80	2.75	2.40	2.05
Starting	7.20	4.15	3.60	3.10
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±13%	±13%	±13%	±13%
UL Temperature Ratings				
Insulation Class	H	H	H	H
Coil Temperature Code	C	B	C	C
Benchtop Coil Rise	83.8	77.8	81.8	80.5
Input Watts	1100 W	1100 W	1100 W	1100 W
NOM. Open Circuit Voltage	425	425	425	425
Power Factor	90%	90%	90%	90%
Current Crest Factor	1.65	1.65	1.65	1.65
Input Voltage At Lamp Dropout	95	170	190	220
MIN. Ambient Starting Temp.	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C	-40°F / -40°C
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V	2,000 V	2,000 V	2,000 V
1 Second	2,400 V	2,400 V	2,400 V	2,400 V
Open Circuit Voltage Test (V)	380 – 470	380 – 470	380 – 470	380 – 470
Short Circuit Current Test (A)				
Min	6.20	6.20	6.20	6.20
Secondary Current				
Max	7.60	7.60	7.60	7.60
Min	5.20	3.15	2.60	2.35
Input Current				
Max	8.20	4.80	4.10	3.55
Recommended Fuse (Amps)	25	15	12	10
CORE and COIL Specifications				
Dimension (A)	3.75 in	3.75 in	3.75 in	3.75 in
Dimension (B)	5.90 in	5.90 in	5.90 in	5.90 in
Weight	27.0 lbs	27.0 lbs	27.0 lbs	27.0 lbs
Lead Lengths	12"	12"	12"	12"
Capacitor Requirement				
Microfarads	26.0 uf	26.0 uf	26.0 uf	26.0 uf
Volts (Min)	525 V	525 V	525 V	525 V

4X4 CORE – HX, CWA & CWI UNITS



Capacitor:	CA26525	Ignitor:	S250V
------------	---------	----------	-------

Value:	26.0 uf	Temp:	105 °C
Temp Rating:	100 °C	BTL:	5 ft
Height:	4.37 in		
Dia/Oval Dim	1.97 in		



BALLAST SPECIFICATIONS

1000W S52

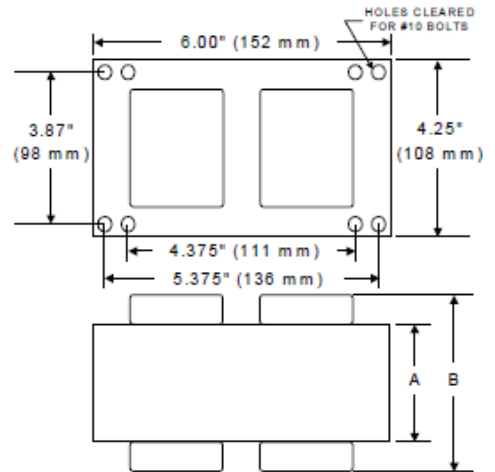
High Pressure Sodium

S1000S-48/12

60 Hz CWA

Input Volts	480			
Line Current (Amps)				
Operating	2.30			
Open Circuit	0.80			
Starting	2.30			
Regulation				
Line Volts	±10%			
Lamp Watts	±14%			
UL Temperature Ratings				
Insulation Class	H			
Coil Temperature Code	C			
Benchtop Coil Rise	82.9			
Input Watts	1100 W			
NOM. Open Circuit Voltage	430			
Power Factor	90%			
Current Crest Factor	1.65			
Input Voltage At Lamp Dropout	385			
MIN. Ambient Starting Temp.	-40°F / -40°C			
60 Hz TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	2,000 V			
1 Second	2,400 V			
Open Circuit Voltage Test (V)	385 – 475			
Short Circuit Current Test (A)				
Min	6.35			
Secondary Current				
Max	7.80			
Min	1.80			
Input Current				
Max	2.80			
Recommended Fuse (Amps)	6			
CORE and COIL Specifications				
Dimension (A)	3.90 in			
Dimension (B)	5.90 in			
Weight	28.8 lbs			
Lead Lengths	12"			
Capacitor Requirement				
Microfarads	26.0 uf			
Volts (Min)	525 V			

4X6 CORE – HX, CWA & CWI UNITS



Capacitor:	CA26525	Ignitor:	S250V
------------	---------	----------	-------

Temp Rating: 90 °C Temp: 105 °C
 Height: 4.37 in BTL: 2 ft
 Dia/Oval Dim 1.97 in
 Width 2.97

