

M400230AC4M

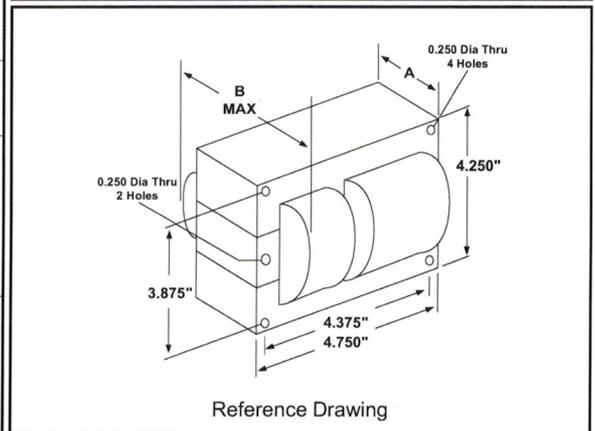
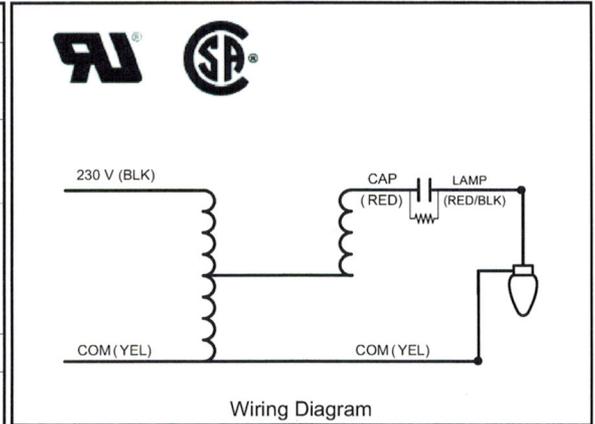
400W M59

Metal Halide

50Hz CWA

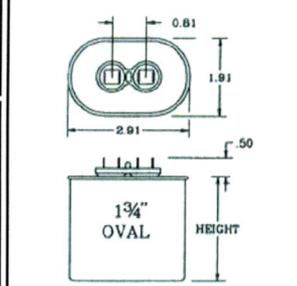
Specification Sheet

Input Volts	230				
Regulation					
Line Volts	±10%				
Lamp Watts	±10%				
Power Factor (min)	90%				
Input Watts	448 W				
NOM. Open Circuit Voltage	300 V				
Line Current (Amps)					
Operating	2.20				
Open Circuit	1.20				
Starting	2.00				
Recommended Fuse (Amps)	6				
Lamp Dropout Voltage (Line)	105 V				
UL Temperature Ratings					
Insulation Class	H (180°C)				
Temperature Code	D				
MIN. Starting Temperature	-22°F -30°C				
CAPACITOR Specifications					
Microfarads	28 uf				
Volts (min.)	425 V				
50Hz Test Procedures					
Secondary Open Ckt Voltage (V)	270 - 330				
Secondary Current Shorted (A)	3.25 - 4.40				
Input Operating Current (A)	2.00 - 2.40				
Input Open Circuit Current (A)	0.60 - 1.85				
Input Short Circuit Current (A)	1.30 - 2.60				
60Hz Test Procedures					
Secondary Open Ckt Voltage (V)	270 - 330				
Secondary Current Shorted (A)	4.90 - 6.50				
Input Open Circuit Current (A)	0.45 - 1.40				
Input Short Circuit Current (A)	3.40 - 6.60				
High Potential					
Test 1 Minute	2000 V				
Test 1 Second	2500 V				
Core and Coil Specifications					
Dimension A	2.13 in				
Dimension B	3.75 in				
Weight	13.0 lbs				
Lead Lengths (inches)	12-14				
Coil Material (Pri. / Sec.)	Cu / Cu				



Capacitor: 005-1799-MF **Ignitor: None**

Temp Rating: 90 °C
 Height: 3.88 in
 Width / Diameter: 2.91 in



This Ballast does not require a ignitor

For alternate capacitor construction consult sales

Document #:	010-9661-03
Date:	3/14/2008
Status:	Production
Replaces Catalog #:	1135-134R & -231R

Data is based upon tests performed by Universal Lighting Technologies in a controlled environment and is representative of relative performance. Actual performance may vary depending on operating conditions. Specifications are subject to change without notice.

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M175230AC3M

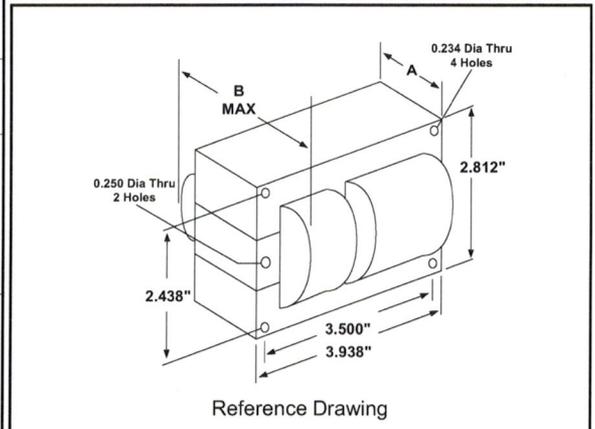
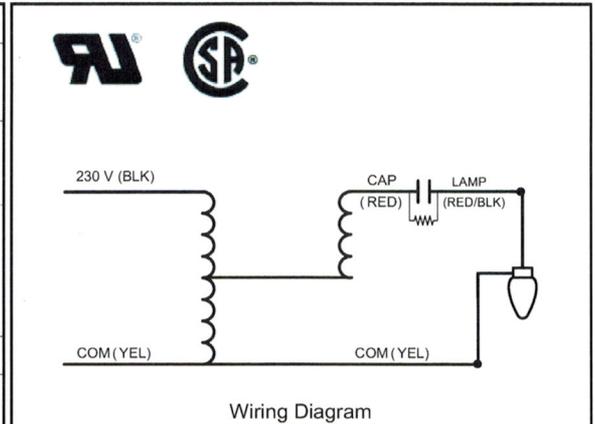
175W M57

Metal Halide

50Hz CWA

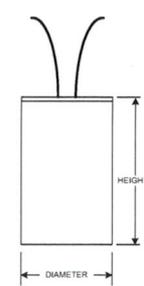
Specification Sheet

Input Volts	230				
Regulation					
Line Volts	±10%				
Lamp Watts	±10%				
Power Factor (min)	90%				
Input Watts	205 W				
NOM. Open Circuit Voltage	310 V				
Line Current (Amps)					
Operating	1.00				
Open Circuit	0.88				
Starting	0.80				
Recommended Fuse (Amps)	3				
Lamp Dropout Voltage (Line)	110 V				
UL Temperature Ratings					
Insulation Class	H (180°C)				
Temperature Code	C				
MIN. Starting Temperature	-22°F -30°C				
CAPACITOR Specifications					
Microfarads	12 uf				
Volts (min.)	400 V				
50Hz Test Procedures					
Secondary Open Ckt Voltage (V)	280 - 340				
Secondary Current Shorted (A)	1.50 - 1.90				
Input Operating Current (A)	0.90 - 1.10				
Input Open Circuit Current (A)	0.45 - 1.35				
Input Short Circuit Current (A)	0.50 - 1.00				
60Hz Test Procedures					
Secondary Open Ckt Voltage (V)	280 - 340				
Secondary Current Shorted (A)	2.00 - 3.00				
Input Open Circuit Current (A)	0.30 - 0.95				
Input Short Circuit Current (A)	1.40 - 2.40				
High Potential					
Test 1 Minute	2000 V				
Test 1 Second	2500 V				
Core and Coil Specifications					
Dimension A	2.25 in				
Dimension B	3.55 in				
Weight	6.70 lbs				
Lead Lengths (inches)	12-14				
Coil Material (Pri. / Sec.)	Cu / Cu				



Capacitor: R17058580 **Ignitor: None**

Max Case Temp: 100 °C
 Height: 3.82 in
 Width / Diameter: 1.65 in



This Ballast does not require a ignitor

Oil Cap. - P/N 005-2799-MF Consult Catalog for Specs.

Document #:	010-9857-03
Date:	10/10/2008
Status:	Production
Replaces Catalog #:	New Design

Data is based upon tests performed by Universal Lighting Technologies in a controlled environment and is representative of relative performance. Actual performance may vary depending on operating conditions. Specifications are subject to change without notice.

M250230AC3M

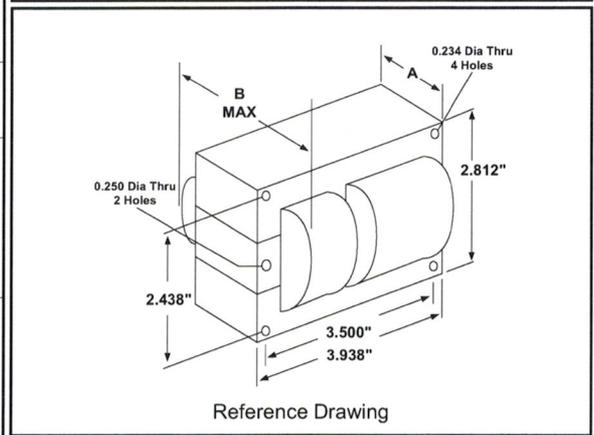
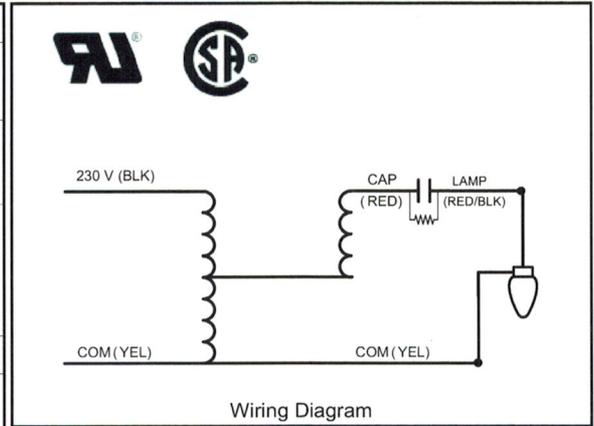
250W M58

Metal Halide

50Hz CWA

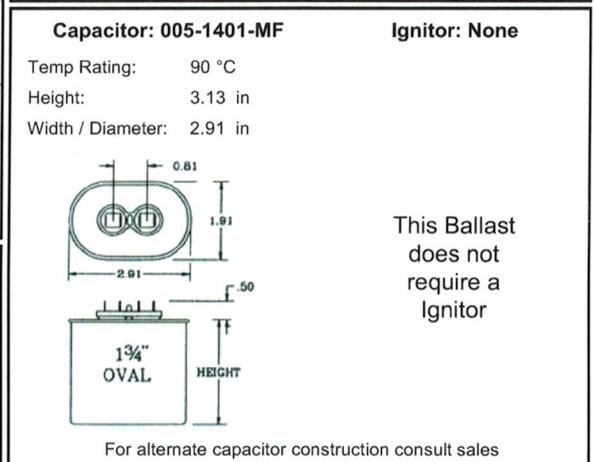
Specification Sheet

Input Volts	230				
Regulation					
Line Volts	±10%				
Lamp Watts	±10%				
Power Factor (min)	90%				
Input Watts	282 W				
NOM. Open Circuit Voltage	285 V				
Line Current (Amps)					
Operating	1.40				
Open Circuit	1.10				
Starting	1.10				
Recommended Fuse (Amps)	4				
Lamp Dropout Voltage (Line)	115 V				
UL Temperature Ratings					
Insulation Class	H (180°C)				
Temperature Code	D				
MIN. Starting Temperature	-22°F -30°C				
CAPACITOR Specifications					
Microfarads	18 uf				
Volts (min.)	400 V				
50Hz Test Procedures					
Secondary Open Ckt Voltage (V)	255 - 315				
Secondary Current Shorted (A)	2.00 - 2.70				
Input Operating Current (A)	1.20 - 1.55				
Input Open Circuit Current (A)	0.60 - 1.70				
Input Short Circuit Current (A)	0.60 - 1.50				
60Hz Test Procedures					
Secondary Open Ckt Voltage (V)	255 - 315				
Secondary Current Shorted (A)	3.00 - 4.00				
Input Open Circuit Current (A)	0.50 - 1.40				
Input Short Circuit Current (A)	1.30 - 2.70				
High Potential					
Test 1 Minute	2000 V				
Test 1 Second	2500 V				
Core and Coil Specifications					
Dimension A	3.00 in				
Dimension B	4.30 in				
Weight	9.00 lbs				
Lead Lengths (inches)	12-14				
Coil Material (Pri. / Sec.)	Cu / Cu				



Capacitor: 005-1401-MF **Ignitor: None**

Temp Rating: 90 °C
 Height: 3.13 in
 Width / Diameter: 2.91 in



This Ballast does not require a Ignitor

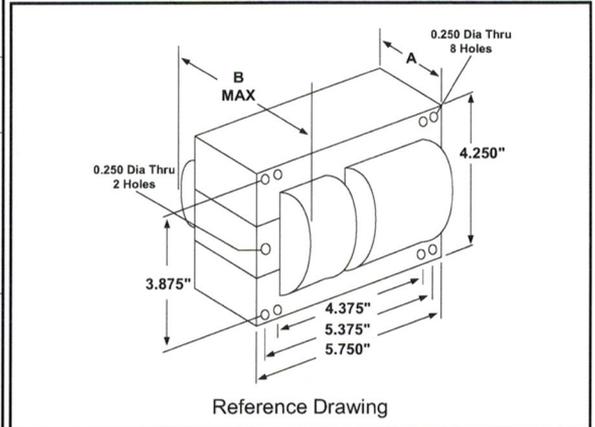
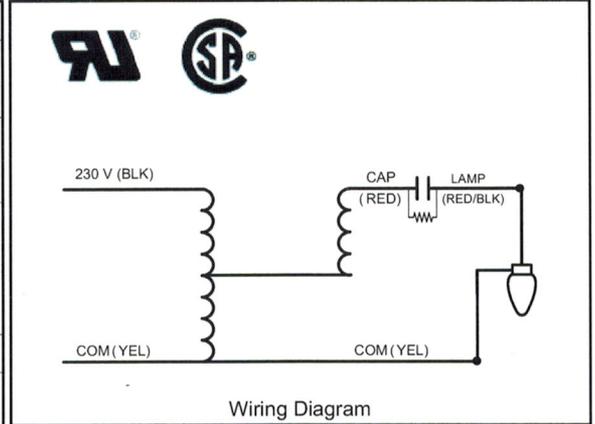
For alternate capacitor construction consult sales

Document #:	010-9662-02
Date:	3/27/2008
Status:	Production
Replaces Catalog #:	1135-133

Data is based upon tests performed by Universal Lighting Technologies in a controlled environment and is representative of relative performance. Actual performance may vary depending on operating conditions. Specifications are subject to change without notice.

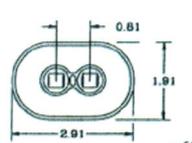
Specification Sheet

Input Volts	230				
Regulation					
Line Volts	±10%				
Lamp Watts	±10%				
Power Factor (min)	90%				
Input Watts	1080 W				
NOM. Open Circuit Voltage	420 V				
Line Current (Amps)					
Operating	4.70				
Open Circuit	2.30				
Starting	3.65				
Recommended Fuse (Amps)	13				
Lamp Dropout Voltage (Line)	160 V				
UL Temperature Ratings					
Insulation Class	H (180°C)				
Temperature Code	C				
MIN. Starting Temperature	-22°F -30°C				
CAPACITOR Specifications					
Microfarads	30 uf				
Volts (min.)	440 V				
50Hz Test Procedures					
Secondary Open Ckt Voltage (V)	375 - 460				
Secondary Current Shorted (A)	5.20 - 6.40				
Input Operating Current (A)	4.25 - 5.20				
Input Open Circuit Current (A)	1.15 - 3.30				
Input Short Circuit Current (A)	2.95 - 4.50				
60Hz Test Procedures					
Secondary Open Ckt Voltage (V)	395 - 480				
Secondary Current Shorted (A)	7.60 - 9.30				
Input Open Circuit Current (A)	0.65 - 1.90				
Input Short Circuit Current (A)	5.85 - 8.75				
High Potential					
Test 1 Minute	2000 V				
Test 1 Second	2500 V				
Core and Coil Specifications					
Dimension A	3.40 in				
Dimension B	5.30 in				
Weight	21 lbs				
Lead Lengths (inches)	12-14				
Coil Material (Pri. / Sec.)	Cu / Al				

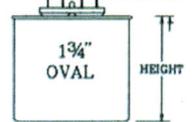


Capacitor: 005-1475-MF **Ignitor: None**

Temp Rating: 90 °C
 Height: 3.87 in
 Width / Diameter: 2.91 in



This Ballast does not require a ignitor



For alternate capacitor construction consult sales

Document #:	010-12386-01
Date:	3/26/2008
Status:	Production
Replaces Catalog #:	New Design

Data is based upon tests performed by Universal Lighting Technologies in a controlled environment and is representative of relative performance. Actual performance may vary depending on operating conditions. Specifications are subject to change without notice.

M1500230AC5M

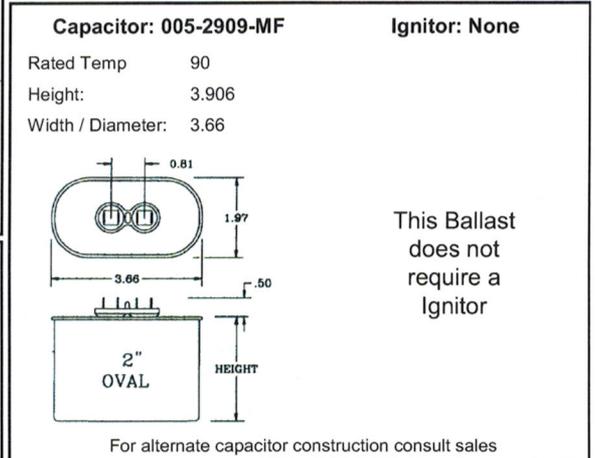
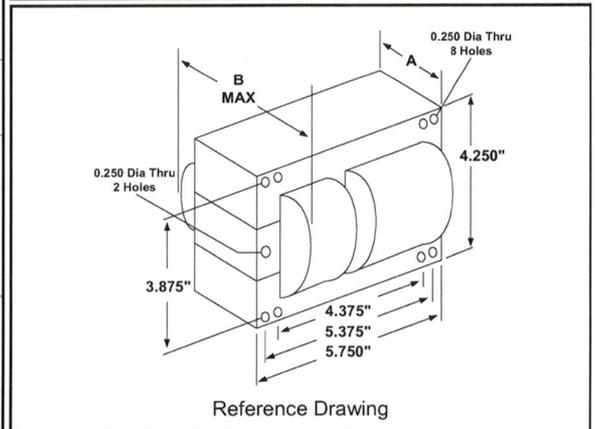
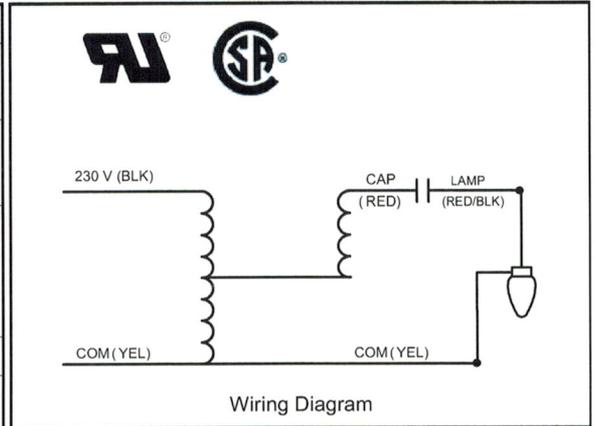
1500W M48

Metal Halide

50Hz CWA

Specification Sheet

Input Volts	220	230	240		
Regulation					
Line Volts	±10%	±10%	±10%		
Lamp Watts	±10%	±10%	±10%		
Power Factor (min)	90%	90%	90%		
Input Watts	1605 W	1605 W	1605 W		
NOM. Open Circuit Voltage	430 V	430 V	430 V		
Line Current (Amps)					
Operating	7.20	7.29	6.80		
Open Circuit	2.70	2.55	2.30		
Starting	6.50	6.20	6.00		
Recommended Fuse (Amps)	20	20	20		
Lamp Dropout Voltage (Line)	150 V	150 V	150 V		
UL Temperature Ratings					
Insulation Class	H (180°C)	H (180°C)	H (180°C)		
Temperature Code	None	C	None		
MIN. Starting Temperature	-22°F -30°C	-22°F -30°C	-22°F -30°C		
CAPACITOR Specifications					
Microfarads	42.0 uf	42.0 uf	42.0 uf		
Volts (min.)	480 V	480 V	480 V		
50Hz Test Procedures					
Secondary Open Ckt Voltage (V)	400 - 4.55	400 - 4.55	400 - 4.55		
Secondary Current Shorted (A)	7.65 - 9.35	7.65 - 9.35	7.65 - 9.35		
Input Operating Current (A)	6.55 - 7.99	6.37 - 7.77	6.19 - 7.55		
Input Open Circuit Current (A)	1.15 - 3.29	1.28 - 3.65	1.35 - 3.86		
Input Short Circuit Current (A)	4.50 - 8.50	4.45 - 8.20	4.40 - 8.10		
60Hz Test Procedures					
Secondary Open Ckt Voltage (V)	420 - 475	420 - 475	420 - 475		
Secondary Current Shorted (A)	11.50 - 13.20	11.50 - 13.20	11.50 - 13.20		
Input Open Circuit Current (A)	0.53 - 1.80	0.63 - 2.00	0.64 - 2.20		
Input Short Circuit Current (A)	9.30 - 13.50	9.20 - 13.10	9.10 - 12.80		
High Potential					
Test 1 Minute	2000 V	2000 V	2000 V		
Test 1 Second	2500 V	2500 V	2500 V		
Core and Coil Specifications					
Dimension A	4.38 in	4.38 in	4.38 in		
Dimension B	6.18 in	6.18 in	6.18 in		
Weight	30 lbs	30 lbs	30 lbs		
Lead Lengths (inches)	12-14	12-14	12-14		
Coil Material (Pri. / Sec.)	Cu / Cu	Cu / Cu	Cu / Cu		



Document #:	010-9660-00
Date:	6/30/2006
Status:	Production
Replaces Catalog #:	1135-140R

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