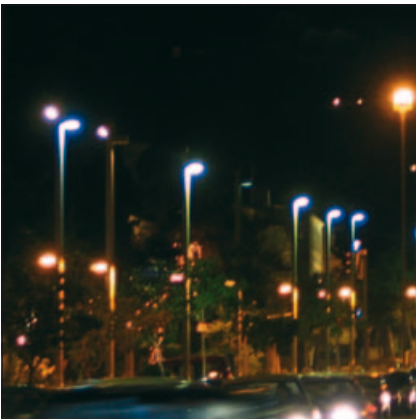




A New Lighting Experience



Constant Wattage Autotransformers

For ANSI Type Discharge Lamps

Vossloh-Schwabe Deutschland GmbH

P.O. Box 2869 · 58478 Lüdenscheid · Germany

Phone (+49-23 51) 101-0 · Fax (+49-23 51) 101-217/-384

www.vossloh-schwabe.com

Constant Wattage Autotransformers

For ANSI Type Metal Halide Lamps

Shape: 108x106 mm

Vacuum impregnated with polyester resin

Screw terminals: 1.5–4 mm²

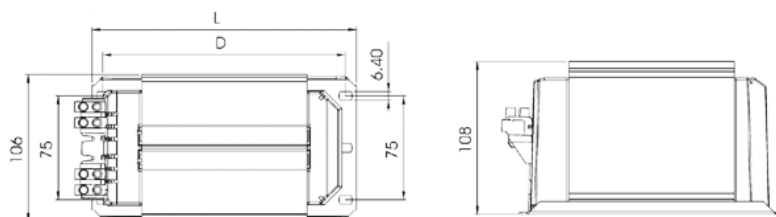
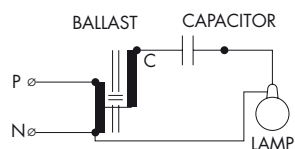
Protection class I

tw 130

Acc. to EN 61347/60923

Capacitor included

The Capacitor is essential for circuit operation

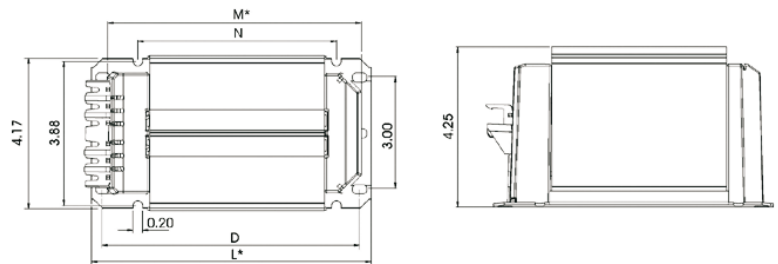
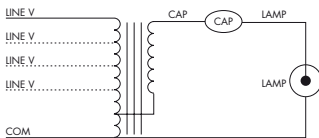
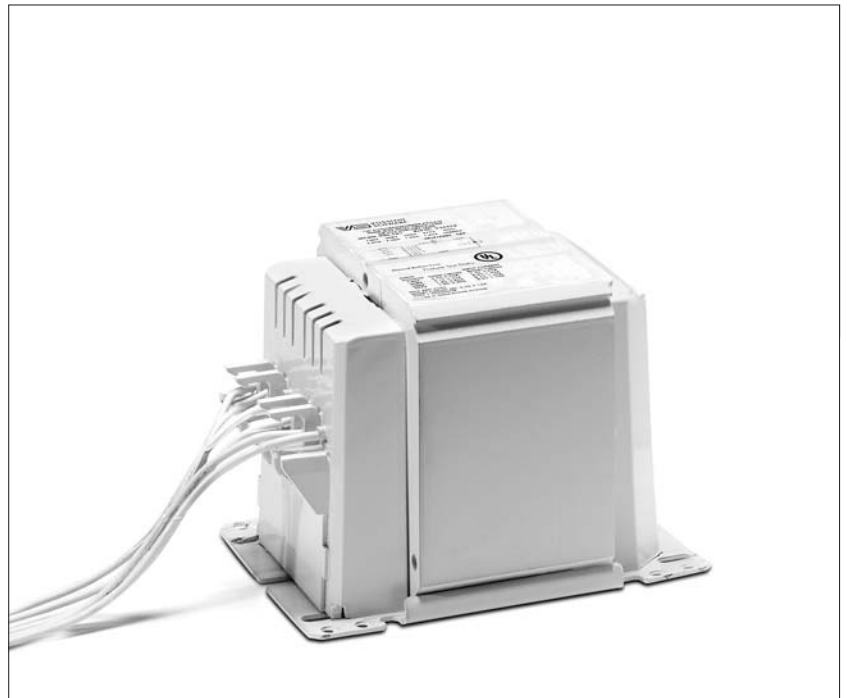


MH Lamp			Ballast							Capacitor		Line	
Type ANSI CODE	Rated Power W	Rated Current A	Type	Ref No.	V, Hz	Power Losses W	Δt °C	Weight kg	Dimensions L mm	D mm	$\mu F \pm 2.5\%/V$	Current A	Power Factor
M58	250	2.15	JCWA 250.004	532470	220, 50	40	70	5.3	152	137	18/450	1.35	0.98
M58	250	2.15	MCWA 250.005	532471	230, 50	40	70	5.3	152	137	18/450	1.26	0.99
M59	400	3.25	MCWA 400.011	532472	110, 60	55	75	6.8	152	137	24/450	2.20	0.99
M59	400	3.25	JCWA 400.004	532473	220, 50	48	75	6.8	152	137	30/450	2.10	0.99
M59	400	3.25	MCWA 400.008	532474	220, 60	55	75	6.8	152	137	24/450	2.20	0.99
M59	400	3.25	MCWA 400.005	532475	230, 50	55	70	6.8	152	137	30/450	1.90	0.99
M59	400	3.25	MCWA 400.006	532476	240, 50	55	75	6.8	152	137	30/450	2.10	0.99
M47	1000	4.10	JCWA 1000.004	532477	220, 50	60	70	10.5	192	173	34/500	4.80	0.98
M47	1000	4.10	MCWA 1000.012	532478	220/230/240, 50	65	70	10.5	192	173	34/450	4.70	0.99
M47	1000	4.10	MCWA 1000.005	532479	230, 50	60	70	10.5	192	173	34/450	4.70	0.99
M47	1000	4.10	MCWA 1000.006	532480	240, 50	60	70	10.5	192	173	34/450	4.50	0.99

Constant Wattage Autotransformers with Lead Wires

For ANSI Type Metal Halide Lamps For the North American Market

- Cross section: 4.25"x4.17"
- Vacuum-pressure impregnated core and coil
- Low noise
- Closed end caps
- Compatible mounting hole spacing
- All holes cleared for # 10 thru-bolts
- Power factor: ≥ 0.95
- Acc. to EN 61347/60923
- Capacitor included
- Class H insulation system (180°)
- The Capacitor is essential for circuit operation



MH Lamp			Ballast 120/208/240/277 V – 60 Hz*							Capacitor	Line	UL	
Type	Rated Power	Rated Current	Type	Ref. No.	Weight	Dimensions				$\mu\text{F} \pm 2.5\% / \text{V}$	Power	Current 120/208/240/277 V	Benchtop Temp. Rise Code
ANSI CODE	W	A			lbs.	L inch	D inch	N inch	M inch				
M57	175	1.5	MCWA 175.710	532466	7.9	5.98	5.38	3.50	3.98	10/450	200	1.73/1.00/0.86/0.75	A/A/A/A
M58	250	2.15	MCWA 250.711	532467	11.0	5.98	5.38	3.50	4.57	15/450	288	2.50/1.45/1.25/1.10	A/A/A/A
M59	400	3.25	MCWA 400.701	532313	15.6	5.98	5.38	4.38	5.36	24/450	450	3.84/2.22/1.92/1.67	B/B/B/B
M47	1000	4.10	MCWA 1000.712	532468	23.8	7.71	6.81	5.37	7.13	26/450	1060	9.10/5.20/4.50/3.90	A/A/A/A
M48	1500	6.20	MCWA 1500.713	532469	27.6	8.50	7.72	5.94	7.72	38/500	1585	13.60/8.00/6.90/6.00	C/C/C/C

* Other voltages and frequencies available.

L* Maximum overall length using standard Flexi-Mount base plate. Reduced Size (RS) base plate is available on request. See dimension M.

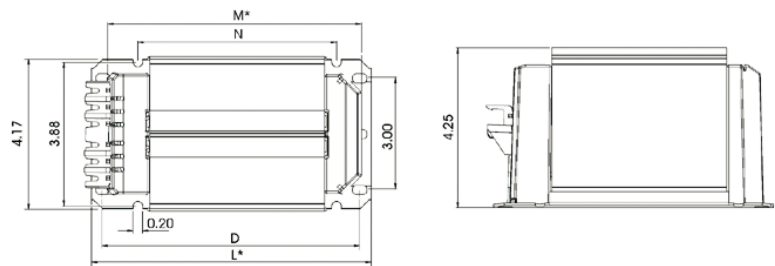
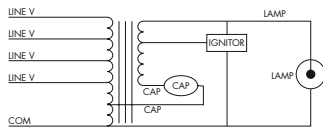
M* Minimum ballast length dimension using RS base plate. Specify RS base plate when ordering.

Constant Wattage Autotransformers with Lead Wires

For ANSI Type Pulse Start Metal Halide Lamps

For the North American Market

- Cross section: 4.25"x4.17"
- Vacuum-pressure impregnated core and coil
- Low noise
- Closed end caps
- Compatible mounting hole spacing
- All holes cleared for # 10 thru-bolts
- Power factor: ≥ 0.95
- Acc. to EN 61347/60923
- Capacitor included
- Class H insulation system (180°)
- The capacitor and ignitor are essential for circuit operation



MH Lamp			Ballast 120/208/240/277 V – 60 Hz*							Capacitor	Line		UL Benchtop Temp. Rise Code	Ignitor
Type ANSI CODE	Rated Power W	Rated Current A	Type	Ref. No.	Weight lbs.	L inch	D inch	N inch	M inch	$\mu\text{F} \pm 2.5\%/V$	Power W	Current 120/208/240/277 V		
M136	200	1.60	PCWA 200.705	532461	7.9	5.98	5.38	3.50	3.98	16/300	230	1.95/1.13/0.98/0.85	A/A/A/A	ESCWA 400
M138/153	250	2.10	PCWA 250.706	532462	11.0	5.98	5.38	3.50	4.57	15/450	290	2.45/1.41/1.22/1.06	A/A/A/A	ESCWA 400
M132/154	320	2.65	PCWA 320.707	532463	11.0	5.98	5.38	3.50	4.57	22/350	360	3.10/1.80/3.10/1.80	B/A/A/A	ESCWA 400
M131	350	2.80	PCWA 350.708	532464	11.0	5.98	5.38	3.50	4.57	24/450	395	3.35/1.95/1.70/1.45	B/B/B/B	ESCWA 400
M128/135/155	400	3.25	PCWA 400.709	532465	15.6	5.98	5.38	4.38	5.36	24/450	450	3.85/2.20/1.90/1.65	B/B/A/A	ESCWA 400

* Other voltages and frequencies available.

L* Maximum overall length using standard Flexi-Mount base plate. Reduced Size (RS) base plate is available on request. See dimension M.

M* Minimum ballast length dimension using RS base plate. Specify RS base plate when ordering.

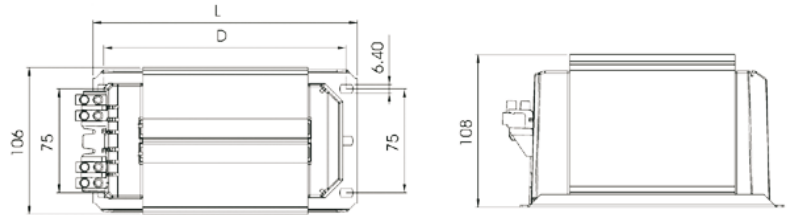
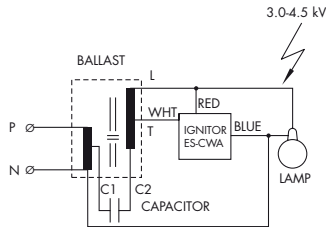
Constant Wattage Autotransformers

For ANSI Type HPS Lamps Type A S52 1000W

Shape: 108x106 mm
 Vacuum impregnated with polyester resin
 Screw terminals: 1.5–4 mm²

Protection class I

tw 130
 Acc. to EN 61347/60923
 Capacitor and ignitor included
 The capacitor and ignitor are essential for circuit operation



HPS Lamp			Ballast								Capacitor	Line		Ignitor
Type ANSI CODE	Rated Power W	Rated Current A	Type	Ref. No.	V, Hz	Power Losses W	Δt °C	Weight kg	Dimensions L mm D mm		μF±2.5%/V	Current A	Power Factor	
S52	1000	4.70	SCWA 1000.004	532458	220, 50	95	80	12.5	216	196	36/450	5.60	0.99	ES-CWA 1000
S52	1000	4.70	SCWA 1000.005	532459	230, 50	95	80	12.5	216	196	36/540	5.41	0.99	ES-CWA 1000
S52	1000	4.70	SCWA 1000.006	532460	240, 50	95	80	12.5	216	196	36/540	5.20	0.99	ES-CWA 1000

* Other voltages and frequencies available

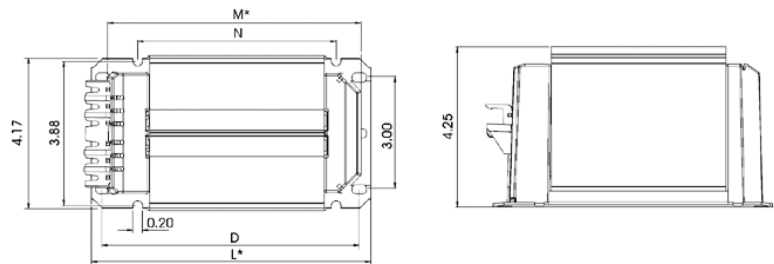
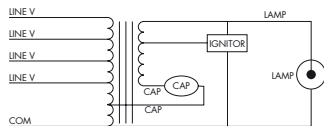
Constant Wattage Autotransformers with Lead Wires

For ANSI Type HPS Lamps For the North American Market

- Cross section: 4.25"x4.17"
- Vacuum-pressure impregnated core and coil
- Low noise
- Closed end caps
- Compatible mounting hole spacing
- All holes cleared for # 10 thru-bolts
- Power factor: ≥ 0.95
- Acc. to EN 61347/60923
- Capacitor included
- Class H insulation system (180°)
- The capacitor and ignitor are essential for circuit operation



Cover photo: photocase.com



HPS Lamp			Ballast 120/208/240/277 V – 60 Hz*							Capacitor	Line		UL	Ignitor
Type ANSI CODE	Rated Power W	Rated Current A	Type	Ref. No.	Weight lbs.	Dimensions				$\mu\text{F} \pm 2.5\% / \text{V}$	Power W	Current 120/208/ 240/277 V	Benchtop Temp. Rise Code	
						L inch	D inch	N inch	M inch					
S50	250	3.0	SCWA 250.702	532454	11.0	5.98	5.38	3.50	4.57	35/300	295	2.60/1.50/ 1.30/1.15	C/A/A/A	ES-CWA 400
S51	400	4.6	SCWA 400.703	532456	15.6	5.98	5.38	4.38	5.36	55/300	450	4.00/2.30/ 2.00/1.70	D/C/C/C	ES-CWA 400
S106	600	6.2	SCWA 600.704	532457	23.8	7.71	6.81	5.37	7.13	72/300	665	6.00/3.50/ 3.00/2.60	C/A/A/A	ES-CWA 400
S52	1000	4.7	SCWA 1000.700	532312	27.6	8.50	7.72	5.94	7.72	30/500	1090	9.50/5.40/ 4.70/4.10	E/D/D/D	ES-CWA 1000

* Other voltages and frequencies available
L* Maximum overall length using standard Flexi-Mount base plate. Reduced Size (RS) base plate is available on request. See dimension M.
M* Minimum ballast length dimension using RS base plate. Specify RS base plate when ordering.