

VENTURE LIGHTING®



BALLASTRONIX® TO
VENTURE LIGHTING®
BALLAST REFERENCE GUIDE



VENTURE LIGHTING

INTRODUCTION INFORMATION



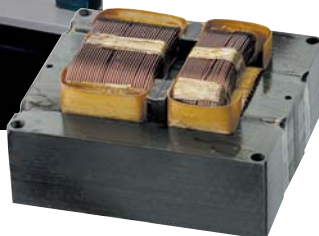
Solon, Ohio, U.S.A.



Streetsboro, Ohio, U.S.A.



Chennai, India



ABOUT VENTURE

Venture Lighting designs and manufactures lighting systems that are energy efficient, require less energy, uses less chemicals, and have extended life. Venture offers products and services across the spectrum of lighting applications focusing on energy management, sustainability, lighting design and controls. Since starting in 1983, we:

- Provide ballasts to the world's HID lighting markets
- Introduced Uni-Form® pulse start with its exclusive formed body arc tube, offering superior performance and energy efficiency
- Offer a full line of magnetic and Ventronic™ high frequency electronic ballasts, specifically designed to optimize lamp performance
- Introduced Super Pulse Start families of lamps for extended Long Life, optimized for Electronics and enhanced Color rendition
- Offer on our pulse start metal halide systems "One Call" extended system warranty

Ballastronix, acquired in 1997 by Venture, is a leading brand of power supplies for HID lighting systems which traces its origins to 1930 and the Sola Electric Company with roots in Nova Scotia, Canada.

À PROPOS DE VENTURE

Venture Lighting conçoit et fabrique des systèmes d'éclairage de haute efficacité, éco énergétiques, écologiques avec moins de produits chimiques et une longue durée de vie. Venture offre des produits et services dans tous les domaines d'applications d'éclairage avec une emphase sur la gestion de l'énergie, principalement sur la conception et le contrôle de l'éclairage. Depuis notre début en 1983, nous avons :

- Fournit mondialement des ballasts aux marchés de l'éclairage HID
- Lancé la lampe Uni-Form® à démarrage à pulsion avec tube à arc de forme exclusive offrant une performance supérieure et une économie d'énergie.
- Offert notre ligne complète de ballasts électroniques et Ventronic™ à haute fréquence spécialement conçue pour une performance optimale.
- Lancé la famille de lampes Super Pulse Start de longues durées, spécialement pour l'électronique et pour une couleur de haute performance.
- Offert sur nos systèmes, à halogénure métallisé à démarrage à pulsion, une garantie "Un appel".

Ballastronix qui fut acquis par Venture en 1997, est un leader dans la fourniture de ballasts pour les systèmes d'éclairage HID, et retrace ses origines à 1930 à la compagnie Sola Electric Company de Nouvelle Écosse, Canada.



Pulse Start Metal Halide

UNI-CRM PULSE START METAL HALIDE LIGHTING SYSTEMS

MAGNETIC BALLASTS 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
50	M110	754015321	V90D5731	120/208/240/277	HX-HPF
50	M110	754315321	V90J5731	120/277/347	HX-HPF
70	M98	754015333	V90D5833	120/208/240/277	HX-HPF
70	M98	754315332	V90J5832	120/277/347	HX-HPF
100	M90	754015342	V90D5932	120/208/240/277	HX-HPF
100	M90	754315342	V90J5932	120/277/347	HX-HPF
125	M150	782315701A	V90Y8811T	480	CWA
125	M150	784015702	V90D8812	120/208/240/277	CWA
125	M150	784315701	V90J8811	120/277/347	CWA
150	M102	78231558A	V90Y7110T	480	CWA
150	M102	78401558	V90D7110	120/208/240/277	CWA
150	M102	75401583	V90D7130	120/208/240/277	HX-HPF
150	M102	78431558	V90J7110	120/277/347	CWA
150	M102	75431583	V90J7130	120/277/347	HX-HPF
175	M152	782315591A	V90Y7211T	480	CWA
175	M152	784015591	V90D7211	120/208/240/277	CWA
175	M152	78431559	V90J7210	120/277/347	CWA
200	M136	782315601A	V90Y7311T	480	CWA
200	M136	782315602A	V90Y7312T	480	CWA
200	M136	75231286A	V90Y7330T	480	HX-HPF
200	M136	784015601	V90D7311	120/208/240/277	CWA
200	M136	784015602	V90D7312	120/208/240/277	CWA
200	M136	75401286	V90D7330	120/208/240/277	HX-HPF
200	M136	78431560	V90J7310	120/277/347	CWA
200	M136	75431286	V90J7330	120/277/347	HX-HPF
250	M153	782315611A	V90Y8411T	480	CWA
250	M153	782315612A	V90Y8412T	480	CWA
250	M153	784015611	V90D8411	120/208/240/277	CWA
250	M153	784015612	V90D8412	120/208/240/277	CWA
250	M153	784315611	V90J8411	120/277/347	CWA
320	M154	782315632A	V90Y7412T	480	CWA
320	M154	75231565T	V90Y7430T	480	HX-HPF
320	M154	784015633	V90D7413	120/208/240/277	CWA
320	M154	75401565	V90D7430	120/208/240/277	HX-HPF
320	M154	784315631	V90J7411	120/277/347	CWA
320	M154	784315633	V90J7413	120/277/347	CWA
320	M154	75431565	V90J7430	120/277/347	HX-HPF

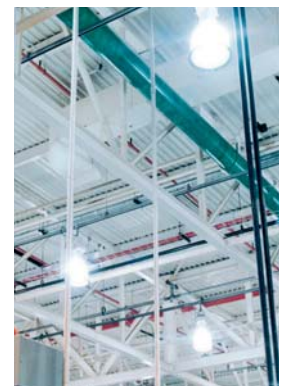
MAGNETIC BALLASTS 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
350	M131	782315643A	V90Y7513T	480	CWA
350	M131	75231557A	V90Y7530T	480	HX-HPF
350	M131	784015643	V90D7513	120/208/240/277	CWA
350	M131	75401557	V90D7530	120/208/240/277	HX-HPF
350	M131	784315642	V90J7512	120/277/347	CWA
350	M131	75431557	V90J7530	120/277/347	HX-HPF
400	M155	782315673A	V90Y7613T	480	CWA
400	M155	784015673	V90D7613	120/208/240/277	CWA
400	M155	784315672	V90J7612	120/277/347	CWA
450	M144	782315682A	V90Y8512T	480	CWA
450	M144	75231584A	V90Y8530T	480	HX-HPF
450	M144	784015682	V90D8512	120/208/240/277	CWA
450	M144	75401584	V90D8530	120/208/240/277	HX-HPF
450	M144	784315681	V90J8511	120/277/347	CWA
450	M144	75431584	V90J8530	120/277/347	HX-HPF
575	M178	78231921A	V90Y5510T	480	CWA
575	M178	75231903A	V90Y5530T	480	HX-HPF
575	M178	78401921	V90D5510	120/208/240/277	CWA
575	M178	75401903	V90D5530	120/208/240/277	HX-HPF
575	M178	78431921	V90J5510	120/277/347	CWA
575	M178	75431903	V90J5530	120/277/347	HX-HPF
750	M149	78231591A	V90Y7910T	480	CWA
750	M149	78401591	V90D7910	120/208/240/277	CWA
750	M149	78431591	V90J7910	120/277/347	CWA
775	M181	78231920A	V90Y9610T	480	CWA
775	M181	78401920	V90D9610	120/208/240/277	CWA
775	M181	78431920	V90J9610	120/277/347	CWA
875	M166	782315752A	V90Y8612T	480	CWA
875	M166	75231594	V90Y8620	480	Reactor
875	M166	784015752	V90D8612	120/208/240/277	CWA
875	M166	784315752	V90J8612	120/277/347	CWA
1000	M141	782315771A	V90Y7811T	480	CWA
1000	M141	784015771	V90D7811	120/208/240/277	CWA
1000	M141	784315771	V90J7811	120/277/347	CWA
2000	M134	78171548	V90V6810	347	CWA
2000	M134	78231548	V90Y6810	480	CWA



Ballast Options

Add Suffix for Options:
C - With Capacitor (Standard)
K - With Mounting Bracket Kit
B - With Welded Bracket, No Capacitor



Standard Probe Start Metal Halide

STANDARD PROBE START METAL HALIDE 60HZ MAGNETIC BALLASTS



MAGNETIC BALLASTS 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
150	M107	78211908	V90B5010	120	CWA
150	M107	78401908	V90D5010	120/208/240/277	CWA
150	M107	78431908	V90J5010	120/277/347	CWA
175	M57	782113852	V90B6112	120	CWA
175	M57	78151465A	V90P6150T	208	CWI
175	M57	782313851A	V90Y6111T	480	CWA
175	M57	78181465	V90Z6150	600	CWI
175	M57	78101465	V90E6150	120/240	CWI
175	M57	784013852	V90D6112	120/208/240/277	CWA
175	M57	784313852	V90J6112	120/277/347	CWA
250	M58	78151381A	V90P6250T	208	CWI
250	M58	782315221	V90Y6211	480	CWA
250	M58	78231585A	V90Y6212T	480	CWA
250	M58	78181381	V90Z6250	600	CWI
250	M58	78101381	V90E6250	120/240	CWI
250	M58	784015221	V90D6211	120/208/240/277	CWA
250	M58	784015851	V90D6215	120/208/240/277	CWA
250	M58	784315221	V90J6211	120/277/347	CWA
250	M58	784315851	V90J6215	120/277/347	CWA

MAGNETIC BALLASTS 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
400	M59	78151383A	V90P6450T	208	CWI
400	M59	782315163A	V90Y6413T	480	CWA
400	M59	78131383	V90Y6450	480	CWI
400	M59	78181383A	V90Z6450T	600	CWI
400	M59	78101383	V90E6450	120/240	CWI
400	M59	784015164	V90D6414	120/208/240/277	CWA
400	M59	784315164	V90J6414	120/277/347	CWA
2x400	M59	78181382	V90Z6350	600	CWI
2x400	M59	78101382	V90E6350	120/240	CWI
1000	M47	78211917	V90B6516	120	CWA
1000	M47	782115981	V90B6517	120	CWA
1000	M47	78151384A	V90P6550T	208	CWI
1000	M47	782315981A	V90Y6517T	480/120T	CWA
1000	M47	78131384	V90Y6550	480	CWI
1000	M47	78181384	V90Z6550	600	CWI
1000	M47	78101384	V90E6550	120/240	CWI
1000	M47	78401917	V90D6516	120/208/240/277	CWA
1000	M47	784015981	V90D6517	120/208/240/277	CWA
1000	M47	784315981	V90J6517	120/277/347	CWA
1500	M48	782313242A	V90Y6612T	480	CWA
1500	M48	784013242	V90D6612	120/208/240/277	CWA
1650	M112	78541581	V90AA6910	277/347/480	CWA
1650	M112	78531581	V90C6910	120/208/240	CWA

Ballast Options

Add Suffix for Options:

- C - With Capacitor (Standard)
- K - With Mounting Bracket Kit
- B - With Welded Bracket, No Capacitor



High Pressure Sodium

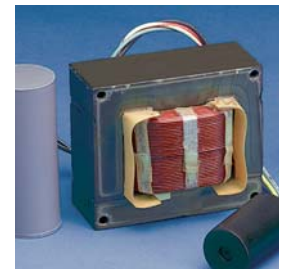
HIGH PRESSURE SODIUM SYSTEMS

MAGNETIC BALLASTS 60Hz

Lamp Watts	ANSI Code	Ballast Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
35	S76	75141456NP	V90B1020	120	Reactor
35	S76	751714641	V90V1030	347	HX-HPF
35	S76	752414641	V90E1030	120/240	HX-HPF
50	S68	75141457NP	V90B1120	120	Reactor
50	S68	751714511	V90V1131	347	HX-HPF
50	S68	781014671	V90E1151	120/240	CWI
50	S68	752414511	V90E1131	120/240	HX-HPF
50	S68	754514512	V90H1132	120/277	HX-HPF
70	S62	75141458NP2	V90B1222	120	Reactor
70	S62	781513942	V90P1252	208	CWI
70	S62	781813942	V90Z1252	600	CWI
70	S62	78101545	V90E1250	120/240	CWI
70	S62	781013942	V90E1252	120/240	CWI
70	S62	754014493	V90D1233	120/208/240/277	HX-HPF
70	S62	754314492	V90J1232	120/277/347	HX-HPF
100	S54	75141459NP2	V90B1322	120	Reactor
100	S54	781813952	V90Z1352	600	CWI
100	S54	78101535	V90E1350	120/240	CWI
100	S54	754014483	V90D1333	120/208/240/277	HX-HPF
100	S54	785313953	V90C1353	TRI	CWI
100	S54	754314482	V90J1332	120/277/347	HX-HPF
150	S55	75141460NP2	V90B1422	120	Reactor
150	S55	781713964A	V90V1454T	347	CWI
150	S55	781313964	V90Y1454	480	CWI
150	S55	781813964A	V90Z1454T	600	CWI
150	S55	754013705	V90D1435	120/208/240/277	HX-HPF
150	S55	785313964	V90C1454	120/208/240	CWI
150	S55	754313704	V90J1434	120/277/347	HX-HPF

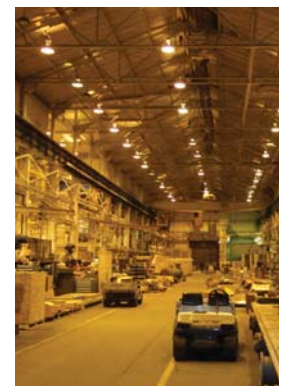
MAGNETIC BALLASTS 60Hz

Lamp Watts	ANSI Code	Ballast Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
200	S66	78171398	V90V1650	347	CWI
200	S66	78101398	V90E1650	120/240	CWI
200	S66	78401507	V90D1610	120/208/240/277	CWA
250	S50	782315081A	V90Y1711T	480	CWA
250	S50	78581371	V90AS1750	DUAL	CWI
250	S50	78101371	V90E1750	120/240	CWI
250	S50	784015081	V90D1711	120/208/240/277	CWA
250	S50	784315081	V90J1711	120/277/347	CWA
400	S51	78151372A	V90P1950T	208	CWI
400	S51	782314972A	V90Y1912T	480	CWA
400	S51	78131372	V90Y1950	480	CWI
400	S51	78181372	V90Z1950	600	CWI
400	S51	78581372	V90AS1950	DUAL	CWI
400	S51	78101372	V90E1950	120/240	CWI
400	S51	784014972	V90D1912	120/208/240/277	CWA
400	S51	784314971	V90J1911	120/277/347	CWA
430/400	S51	78531541	V90C2050	120/208/240	CWI
600	S106	784015861	V90D2111	120/208/240/277	CWA
1000	S52	782315431A	V90Y2311T	480/120T	CWA
1000	S52	781313733	V90Y2353	480	CWI
1000	S52	781813733	V90Z2353	600	CWI
1000	S52	781013733	V90E2353	120/240	CWI
1000	S52	784015435	V90D2315	120/208/240/277	CWA
1000	S52	78431543	V90J2310	120/277/347	CWA



Ballast Options

Add Suffix for Options:
C - With Capacitor (Standard)
K - With Mounting Bracket Kit
B - With Welded Bracket, No Capacitor



Potted Indoor and Outdoor

POTTED METAL HALIDE AND HIGH PRESSURE SODIUM BALLASTS



HPS Potted OUTDOOR Ballasts 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
400	S51	77101378	V94E1950	120/240	CWI
400	S51	77181378	V94Z1950	600	CWI
1000	S52	77181379	V94Z2353	600	CWI

MH Potted OUTDOOR Ballasts 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
175	M57	77101426	V94E6150	120/240	CWI
250	M58	77101388	V94E6250	120/240	CWI
400	M59	77101389	V94E6450	120/240	CWI
400	M59	77181389	V94Z6450	600	CWI
2x400	M59	77101402	V94E6351	120/240	CWI
1000	M47	77101405	V94E6550	120/240	CWI
1000	M47	77181405	V94Z6550	600	CWI
1500	M48	77241325	V94E6610	480/120	CWA



MH Potted INDOOR Ballasts 60Hz

Lamp Watts	ANSI Code	Ballastronix Product No.	Venture Lighting Product No.	Input Voltage	Circuit Type
175	M57	74431385	V93J6110	120/277/347	CWA
2x250	M58	78171424	V93V9050	347	CWI
400	M59	78181387	V93Z6450	600	CWI
400	M59	744315161	V93J6411	120/277/347	CWA
2x400	M59	78171254	V93V6311	347	CWA
2x400	M59	78241254	V93E6311	120/240	CWA
2x400	M59	781014011	V93E6350	120/240	CWI
2x400	M59	781314011	V93Y6350	480	CWI
2x400	M59	781514011	V93P6350	208	CWI
2x400	M59	781714011	V93V6350	347	CWI
2x400	M59	781814011	V93Z6350	600	CWI
2x400	M59	78101400	V93E6351	120/240	CWI
2x400	M59	78181400	V93Z6351	600	CWI
1000	M47	74401523	V93D6511	120/208/240/277	CWA
1000	M47	74431523	V93J6511	120/277/347	CWA
1000	M47	78181404	V93Z6550	600	CWI
2x1000	M47	78101406	V93E9150	120/240	CWI
2x1000	M47	78171339	V93V9110	347	CWA
2x1000	M47	78181406	V93Z9150	600	CWI

Ballast Options

Add Suffix for Options:

- C - With Capacitor (Standard)
- K - With Mounting Bracket Kit
- B - With Welded Bracket, No Capacitor



Warranty - Garantie

WARRANTY INFO

Limited Warranty on Ballasts:

Venture® ballast products are warranted free from manufacturing and workmanship defects for a period of two years from the date of shipment. During this period, Venture will, at its option, repair or replace ballast products which prove to be defective or out of specification. This warranty is granted by Venture only to the original purchaser or first end-user of such ballast products.

This warranty is conditional upon installation, maintenance and operation in accordance with Venture's instructions and specifications set forth in the purchase order or contract at the time of order and in accordance with the standards of The National Electric Code (NEC), Underwriters' Laboratory, Inc. (UL) and the American National Standards Institute (ANSI) and, in Canada, with the standards of the Canadian Standards Association (CSA). Damage by misuse or abnormal conditions of storage, installation, maintenance or operation, including, but not limited to, excessive temperatures or evidence of partial or complete disassembly beyond normal maintenance or expansion procedure void this warranty in its entirety. The conditions of any tests performed concerning any ballast product claimed to be defective in accordance with the terms of this warranty shall be mutually agreed upon in writing between the original purchaser or first end-user and Venture and Venture may be represented at any such test.

No implied statutory warranty of merchantability or fitness for a particular purpose shall apply beyond the afore-mentioned warranty period. This warranty excludes other warranties, expressed or implied and is the exclusive remedy of the claimant. Venture shall not be liable for any special, indirect or consequential damages. Venture's liability on any claim of any kind, nature or description arising out of, resulting from or concerning any aspect of this warranty agreement or from the product or services furnished hereunder shall not exceed the price of the specific ballast or ballasts which give rise to the claim. For warranty service or repair, the buyer shall prepay all shipping charges to Venture and Venture shall pay shipping charges to return the repaired or replaced item to the buyer. However, the buyer shall pay all shipping charges, duties and taxes for products returned to Venture from a country other than that of the United States of America.

Product replacement/liability limits

The foregoing warranty shall be the sole and exclusive remedy of the purchaser and Venture's sole and exclusive remedy to the purchaser. NO WARRANTY OF FITNESS FOR ANY SPECIFIC OR PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. NO OTHER WARRANTY APPLIES. Venture will not, under any circumstance, whether as a result of breach of contract, warranty tort or otherwise, be liable for any costs or damages, including lost profits or revenues, incidental, special or consequential damages.

Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state and province to province. No distributor, salesperson, dealer, retailer or other representative has the authority to change or modify this warranty, either orally or in writing, in any respect.

INFORMATION SUR LA GARANTIE

Garantie limitée sur les ballasts:

Les ballasts de Venture® sont garantis contre tout défaut de fabrication pour une période de deux ans de la date d'expédition. Venture® se réserve le droit soit de réparer ou de remplacer le ballast défectueux ou hors spécifications. LA garantie de Venture® est octroyée à l'acheteur original ou à l'utilisateur final du produit.

Cette garantie est conditionnelle si l'installation, l'entretien et l'opération se font conformément aux instructions de Venture® et selon les spécifications formulées dans le bon de commande ou contrat au moment de l'achat et selon les exigences des normes du National Electric Code (NEC), Underwriters' Laboratory Inc (UL) et le American National Standards Institute (ANSI) et, au Canada selon les normes de la Canadian Standards Association (CSA). Des dommages causés par une utilisation abusive ou de mauvaises conditions d'entreposage, d'installation, d'entretien ou d'opération incluant, sans se limiter à des températures excessives ou évidences de démontage partiel ou complet hors des procédures d'entretien normales annulent cette garantie dans sa totalité. Tout essai devant être fait sur un produit présumé défectueux selon les termes de cette garantie devra être fixé par une entente mutuelle, par document écrit entre l'acheteur original ou le premier utilisateur final et Venture, de plus Venture peut-être témoin de ces essais. Aucune autre garantie ne sera prévue ni aucune valeur marchande ou contribution particulière s'appliquera en dehors de la période mentionnée ci-dessus. Cette garantie, excluant toute autre garantie exprimée ou sous entendue, est la seule solution pour le requérant. Venture ne sera pas tenue responsable pour dommages directs ou indirects.

La responsabilité de Venture sur tout type de réclamation, de caractère ou descriptive émanant de, résultant de ou concernant un ou plusieurs aspects des ententes de cette garantie ou du produit ou services fournis ci-dessous ne sera pas supérieure au prix du ou des ballasts en question. Pour les services de garantie et de réparations, l'acheteur sera responsable des frais de transport chez Venture et Venture payera les frais de transport des pièces réparées ou remplacées à l'acheteur. Cependant, l'acheteur devra payer tous les frais de transport, de douanes, et les taxes pour les produits renvoyés à Venture d'un pays autre que les États-Unis d'Amérique.

Remplacement des produits / Limites des responsabilités

La garantie précédente sera la seule et unique solution pour l'acheteur et pour Venture la seule et unique solution à l'acheteur.

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