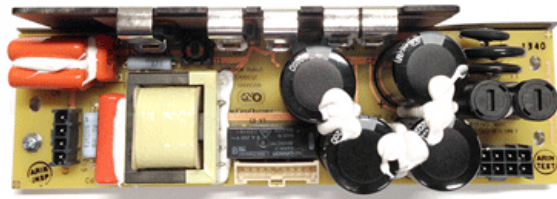




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6800509 - VB2 Ballast Board

[Click here](#) for VB2 Electronic Schematics with test points.

Overview

Used in Vista Single model # **BAL-125** and VistaBeam series, model #'s **VIS-610** & **VIS-310**.

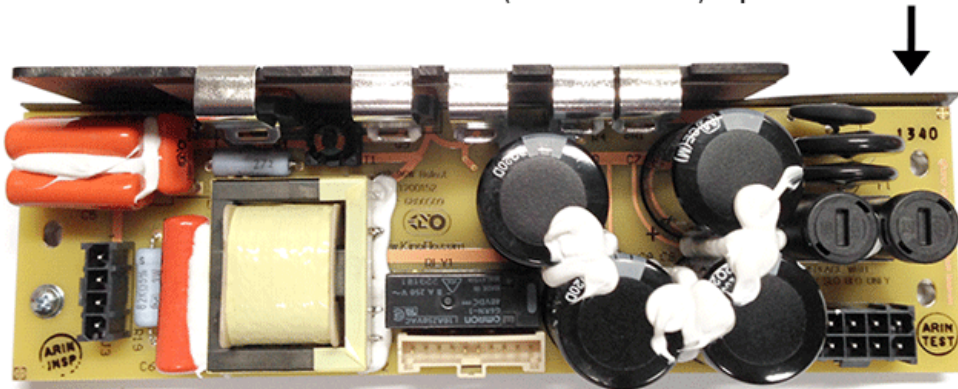
6800509 – VB2 VistaBeam 310/610, Vista Single Ballast Board Out of Warranty – Last date of Mfg October 2014.

Replaces **VB1 (Part #6800146)** Ballast Board.

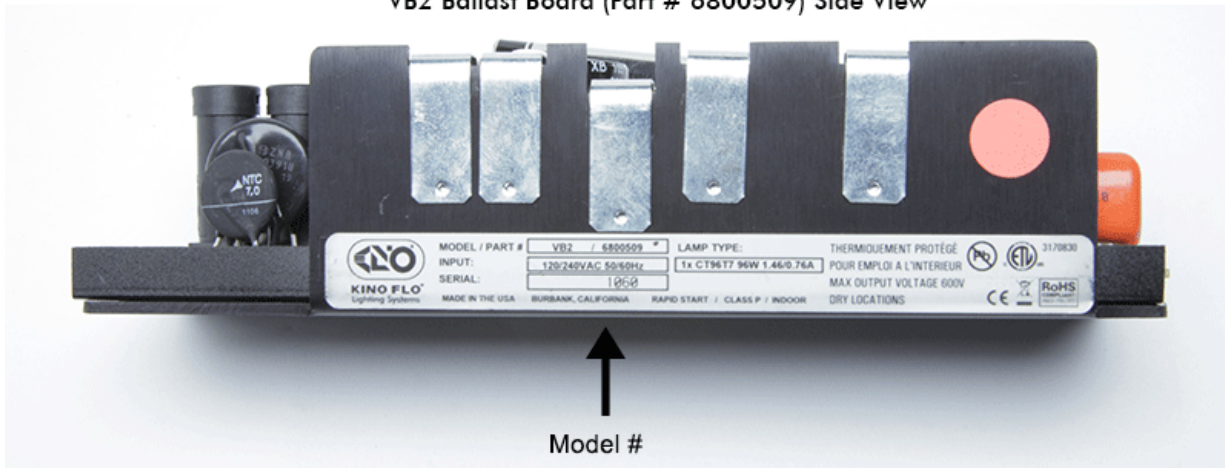
Manufacturing started April 2013.
 2 Year Warranty – Based on 4 digit date code.

First 2 digits is year of manufacturing, second 2 digits is week of manufacturing.
 For example, "1120" was manufactured the 20th week of 2011.

VB2 Ballast Board (Part # 6800509) Top View Date Code



VB2 Ballast Board (Part # 6800509) Side View



Electrical Components (VB2)

Board Location	Kino Flo Part #s	Description	Component Value	UM	Qty/Board
BR1	1040035	Bridge Rectifier (GBU)	8A 1000V PIV	EA	1
C7, C8, C9, C10 add #5490053 Insulator per Cap	1000066	Cap, Electrolytic 105	390uf 200V	EA	4
D5	1050063	Diac-ST32	32V		1
D2	1050007	Zener Diode - SMT - SOT-23	BZX84C15 (15V)	EA	1
D1	1050008	Zener Diode - SMT - SOT-23	BZX84C18 (18V)	EA	1
D4, 8, 9, 10	1050056	Diode - SMT - Fast Recovery	US1M (1A, 1000V)	EA	4
TVS1 - TVS6	1050031	Diode TVS SMCJ170A	170V	EA	6
TVS7	1050062	Diode TVS 1SMB5955	180V	EA	1
F1, F2	1300020	Ceramic Fuse(5x20mm)	4A 250V Slo Blo	EA	2
MOV2	1040047	Metal Oxide Varistor	200VAC 20mm	EA	1
MOV1 No longer available	1040050	Metal Oxide Varistor	150VAC 20mm	EA	1
Q1	1090001	Transistor - SMT - General Purpose	MMBT3904	EA	1
Q2	1090002	Transistor - SMT - General Purpose	MMBT3906	EA	1
Q3	1080023	N Channel Mosfet	20A 600V 190mOhm	EA	1
Q4, Q5	1080026	2SC5354	-	EA	2
R4	1020041	RES Metal Oxide	1 Ohm 5% 3W	EA	1
R5 No longer available	1030196	Resistor - SMT - 0805	12.1k Ohm 1%	EA	1
R7 No longer available	1030253	Resistor - SMT - 0805	100k Ohm 5%	EA	1
R8, 9, 15, 16, 17, 18, 22, 23, 24, 25	1030017	Resistor - SMT - 1206	100k Ohm 5%	EA	10
R1 No longer available	1030252	Resistor - SMT - 0805	220k Ohm 5%	EA	1
R2, R45 No longer available	1030195	Resistor - SMT - 0805	10k Ohm 1%	EA	2
R26, 28, 29, 30, 32, 34, 36	1030043	Resistor - SMT - 1206	220k Ohm 5%	EA	7
T1	1180017	Kino Transformer TX-51	-	EA	1
T2 No longer available	1180039	Transformer	Output 96Watt	EA	1

Hardware-Clip (VB2)

Board Location	Kino Flo Part #s	Description	Component Value	UM	Qty/Board
Q3, Q4, Q5, BR1, S1	5550004	Snap-On Clip	-	EA	5

Part Number PRT-TC Sold as 50pk

2021-07-14