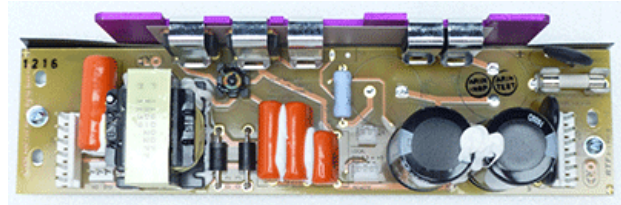


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**6800182** - VG4R Ballast Board

[Click here](#) for VG4R Operation Manual.

[Click here](#) for VG4R Electronic Schematics with test points.

## Overview

**6800182 -VG4R Ballast Board Out of Warranty.** Last date of Mfg July 2014.

Used in 4Bank & 4Bank DMX, Double, Single, Image, Wall-O-Lite series products.

Manufacturing started April 2011.

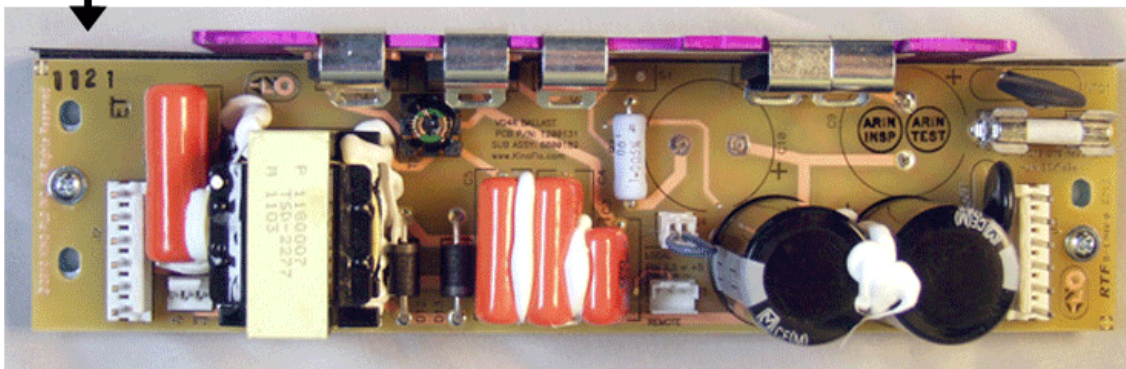
2 Year Warranty - Based on 4 digit date code.

First 2 digits is year of manufacturing, second 2 digits is week of manufacturing.

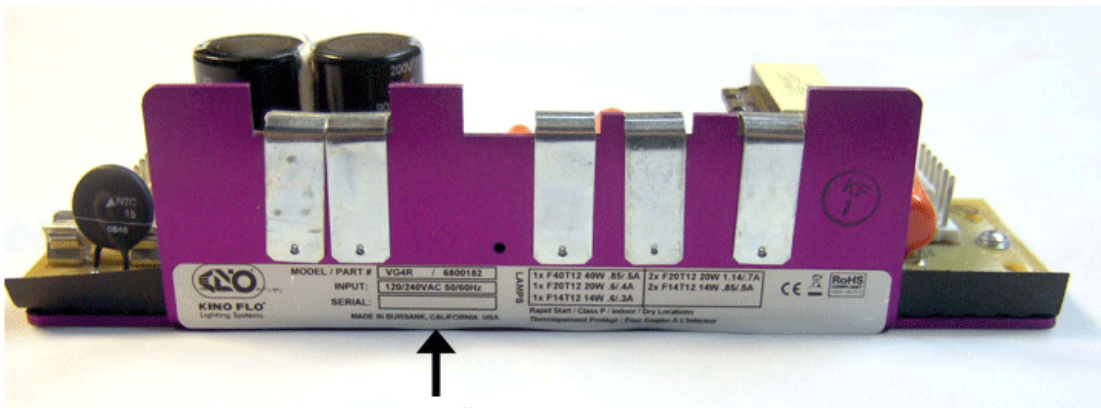
For example, "1120" was manufactured the 20th week of 2011.

Date Code

VG4R Ballast Board (Part # 6800182) Top View



VG4R Ballast Board (Part # 6800182) Side View



Model #

MODEL / PART # VG4R / 6800182  
INPUT: 120/240VAC 50/60Hz  
SERIAL: 1120

1x F40T12 40W .85/5A  
1x F20T12 20W .6/3A  
1x F14T12 14W .6/3A

2x F20T12 20W 1.14/7A  
2x F14T12 14W .85/5A

RoHS  
CE

MADE IN BURBANK, CALIFORNIA, USA

Repeat Start / Class P / Indoor / Dry Locations

Electromagnetic Protection / Power Supplies & Transformers



**HO/Std shorting plug, part # 6350006**, (sold separately), must be used on Non-HO/Std products (DMX or Non-DMX) for proper ballast operation. In most cases, the shorting plug may be removed from the ballast card that is being replaced.



**Shorting plug, part # 6350014** (included with VG4R) is used on all Non-DMX products. Remove shorting plug #6350014 on DMX products with Ho/Std. See VGR4 Operation Manual for more information.

### Electrical Components (VG4R)

Board Location	Kino Flo Part #s	Description	Component Value	UM	Qty/Board
BR1	1040035	Bridge Rectifier (GBU)	8A 1000V PIV	EA	1
C7, C8	1000066	Cap, Electrolytic 105 C	390uf 200V	EA	2
D5	1050063	Diac	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	1050065	Diode - SMT - Fast Recovery	HS2MA 1.5A 1000V	EA	4
TVS1 - TVS6	1050031	Diode TVS SMCJ170A	170V	EA	6
TVS7	1050062	Diode TVS SMB5955	170V	EA	1
F1	1300019	Ceramic Fuse(5x20mm)	3.15A 250V Slo Blo	EA	1
MOV2	1040029	Metal Oxide Varistor	275VAC	EA	1
MOV1	1040026	Metal Oxide Varistor	150VAC	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	Transistor 2SC5354	-	EA	2
R4	1020041	RES Metal Oxide	1 Ohm 3W	EA	1
R19	1020019	Resistor - Metal Oxide	82k Ohm 2W 5%	EA	1
R5	1030012	Resistor - SMT - 1206	12k Ohm 5%	EA	1
R3, 6, 7, 15, 16, 17, 18, 22, 23, 24, 25	1030017	Resistor - SMT - 1206	100k Ohm 5%	EA	11
R2 <b>No longer available</b>	1030024	Resistor - SMT - 1206	10k Ohm 1%	EA	1
R1, 26, 27, 28, 29, 30, 31, 32, 33	1030043	Resistor - SMT - 1206	220k Ohm 5%	EA	9
T1	1180017	Kino Transformer TX-51	-	EA	1
T2	1180007	Kino Transformer TX-10	-	EA	1
HO/STD	6350006	HO/STD Shorting Plug	Image & Wall Only	EA	1
J4	6350014	Local Test Jumper	-	EA	1

### Hardware-Clip (VG4R)

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