



KODIAK TECHNOLOGY, INC. FLUORESCENT BALLAST PRODUCT GUIDE

MODEL	INPUT VOLTAGE	INPUT CURRENT	BALLAST FACTOR	NUMBER OF LAMPS	LAMP TYPE	TYPE OF START	MIN START TEMP	OVERALL DIMENSION S LxWxH INCHES*	AVAILABLE PACKAGES
5 WATT TWIN TUBE									
103	12 VDC	.38 A	1.58	1	CFT5W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
104	12 VDC	.38 A	1.58	1	CFT5W/G23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
203	24 VDC	.23 A	1.58	1	CFT5W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
208	24 VDC	.23 A	1.58	1	CFT5W/G23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
94	24 VAC	.38 A	1.58	1	CFT5W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
7 WATT TWIN TUBE									
103	12 VDC	.59 A	1.58	1	CFT7W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
104	12 VDC	.59 A	1.58	1	CFT7W/G23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
203	24 VDC	.32A	1.58	1	CFT7W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
208	24 VDC	.32 A	1.58	1	CFT7W/G23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
94	24 VAC	.59 A	1.58	1	CFT7W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
9 WATT TWIN TUBE									
103	12 VDC	.76 A	1.58	1	CFT9W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
104	12 VDC	.76 A	1.58	1	CFT9W/G23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
203	24 VDC	.42 A	1.58	1	CFT9W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
208	24 VDC	.42 A	1.58	1	CFT9W/G23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
94	24 VAC	.76 A	1.58	1	CFT9W/2G7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
13 WATT TWIN & QUAD TUBE									
103	12 VDC	1.10 A	0.88	1	CFT13W/GX7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
104	12 VDC	1.10 A	0.88	1	CFT13W/GX23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
105	12 VDC	1.10 A	0.88	1	CFT13W/2GX7	RAPID	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
468	12 VDC	2.20 A	0.88	2	CFT13W/2GX7	INSTANT	-30°F	6X2.1X1.45	AE,IL,N4X
203	24 VDC	.60 A	0.88	1	CFT13W/2GX7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
208	24 VDC	.60 A	0.88	1	CFT13W/GX23	PREHEAT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
94	24 VAC	1.20 A	0.88	1	CFT13W/2GX7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
440	100 VAC	.25 A	0.88	1	CFT13W/2GX7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
440	120 VAC	.25 A	1.06	1	CFT13W/2GX7	INSTANT	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
107	12 VDC	1.16 A	1.00	1	CFQ13W/G24q	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
490	24 VDC	.58 A	1.00	1	CFQ13W/G24q	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
F14T8, F15T8									
102	12 VDC	1.4 A	1.00	1	F14T8, F15T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1,N4X
202	24 VDC	.7 A	1.00	1	F14T8, F15T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1,N4X
441	24VAC	1.9A	1.00	2	F14T8, F15T8	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X,SC3
517	74 VDC	.46 A	1.00	2	F14T8, F15T8	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X,SC3
18W TWIN TUBE									
404	12 VDC	1.56 A	0.77	1	FT18W/2G11	RAPID	-20°F	3.2X2.1X1.25	OP2,IL,N4X
204	24 VDC	.78 A	0.77	1	FT18W/2G11	RAPID	-20°F	3.2X2.1X1.25	OP2,IL,N4X
441	24 VAC	1.08 A	1.08	1	FT18W/2G11	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
24-27W TWIN TUBE									
493	12 VDC	2.25 A	0.90	1	FT24-27W/2G11	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
475	24 VDC	1.13 A	0.90	1	FT24-27W/2G11	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1,N4X
494	24 VDC	1.13 A	0.90	1	FT24-27W/2G11	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
441	24 VAC	1.44 A	1.20	1	FT24-27W/2G11	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X

MODEL	INPUT VOLTAGE	INPUT CURRENT	BALLAST FACTOR	NUMBER OF LAMPS	LAMP TYPE	TYPE OF START	MIN START TEMP	OVERALL DIMENSIONS LxWxH INCHES*	AVAILABLE PACKAGES
36-39W TWIN TUBE									
50	12 VDC	3.14 A	0.93	1	FT36-39W/2G11	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
413	24 VDC	1.44 A	0.93	1	FT36-39W/2G11	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
441	24 VAC	2.16 A	0.93	1	FT36-39W/2G11	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
40W TWIN TUBE									
52	12 VDC	3.64 A	0.88	1	FT40/2G11/RS	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
205	24 VDC	1.82 A	0.88	1	FT40/2G11/RS	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
206	24 VAC	2.73 A	0.88	1	FT40/2G11/RS	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
50-55W TWIN TUBE									
50	12 VDC	4.36 A	0.93	1	FT50-55W/2G11/RS	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
413	24 VDC	2.0 A	0.93	1	FT50-55W/2G11/RS	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
441	24 VAC	3.0 A	0.93	1	FT50-55W/2G11/RS	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
26W QUAD; 26W, 32W & 42W TRIPLE									
493	12 VDC	2.30 A	1.00	1	CFQ26W,CFQ26M	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
475	24 VDC	1.24A	0.90	1	CFQ26W,CFQ26M	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1,N4X
494	24 VDC	1.15 A	1.00	1	CFQ26W,CFQ26M	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
480	12 VAC	4.60 A	1.00	1	CFQ26W,CFQ26M	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
497	24 VAC	2.30 A	1.00	1	CFQ26W,CFQ26M	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
495	120 VAC	.46 A	1.00	1	CFQ26W,CFQ26M	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
496	240 VAC	.23 A	1.00	1	CFQ26W,CFQ26M	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
50	12 VDC	3.00 A	0.98	1	CFM32W	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
465	12 VDC	2.68 A	1.00	1	CFM32W	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X
207	24 VDC	1.50 A	0.98	1	CFM32W	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
50	12 VDC	4.00 A	0.98	1	CFM42W	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
465	12 VDC	3.50 A	1.00	1	CFM42W	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X
207	24 VDC	2.00 A	0.98	1	CFM42W	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
T5									
103	12 VDC	1.10 A	1.00	1	F13T5	RAPID	-30°F	2.86X1.35X1.25	OP1,SC1,N4X
110	12 VDC	2.25 A	1.00	1	F24T5/HO	RAPID	-20°F	3.5X1.7X1.3	OP3,SC2,N4X
50	12 VDC	4.36 A	0.93	1	F54T5/HO	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
530	24 VDC	.55A	1.00	1	F13T5	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1,N4X
473	24 VDC	3.50 A	1.00	2	F35T5	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
T8									
108	12 VDC	1.48 A	1.09	1	F17T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
109	24 VDC	.74 A	1.09	1	F17T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
206	24 VAC	1.20 A	0.89	1	F17T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
108	12 VDC	2.25 A	1.09	1	F25T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
109	24 VDC	1.13 A	1.09	1	F25T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
206	24 VAC	1.76 A	0.88	1	F25T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
52	12 VDC	3.00 A	0.88	1	F32T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
200	24 VDC	1.50 A	0.88	1	F32T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
206	24 VAC	2.25 A	0.88	1	F32T8	RAPID	-20°F	2.86X1.35X1.25	OP1,SC1
106	48 VDC	1.25 A	0.88	1 OR 2	F32T8	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X
498	12 VDC	3.35 A	0.88	1	F40T8	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X
498	12 VDC	4.8 A	0.88	1	F96T8	INSTANT	0°F	6X2.1X1.45	AE,IL,N4X
401	120 VAC	1.40 A	1.00	1	F96T8/HO	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X

MODEL	INPUT VOLTAGE	INPUT CURRENT	BALLAST FACTOR	NUMBER OF LAMPS	LAMP TYPE	TYPE OF START	MIN START TEMP	OVERALL DIMENSION S LxWxH INCHES	AVAILABLE PACKAGES
CIRCLINE									
50	12 VDC	2.8 A	1.00	1	FC12T9	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
413	24 VDC	1.3 A	1.00	1	FC12T9	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
441	24 VAC	1.95 A	1.00	1	FC12T9	RAPID	-20°F	6X2.1X1.45	AE,IL,N4X
UV									
479	12 VDC	1.00 A	1.00	1	CFT9W/UV	INSTANT	32°F	2.9X.8X.8	OP4
477	12 VDC	1.45 A	1.45	1	CFT9W/UV	INSTANT	0°F	2.86X1.35X1.25	OP1,SC1
481	12 VDC	2.45 A	1.00	1	FT18W/2G11 UVA	RAPID	0°F	3.2X2.1X1.25	OP2,IL,N4X
492	12 VDC	3.90 A	1.00	1	FT35W/2G11/HO	RAPID	0°F	6X2.1X1.45	AE,IL,N4X
531	48 VDC	5.90 A	1.00	2	125W UVC	RAPID	32°F	6.9X6.9X2	

AC VOLTAGES ARE 50/60HZ.

*DIMENSIONS ARE FOR OPEN PRINTED CIRCUIT BOARD (OP_) OR AE PACKAGE

ALL MODELS ARE RATED FOR 400,000 HRS. MTTF AT 40°C.

SOME MODELS ARE CAPABLE OF HIGHER TEMPERATURE OPERATION. CONTACT KODIAK ENGINEERING FOR SPECIFICS.

PACKAGES

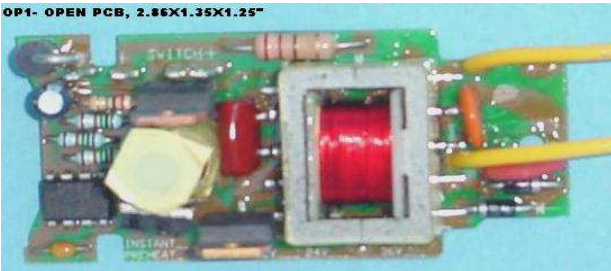
AE - ALUMINUM EXTRUSION 6X2.1X1.45"



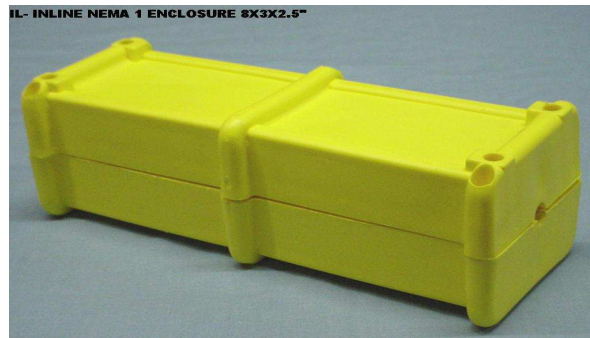
SC1- STEEL CAN 3.125X1.875X1.438"; OAL=4"



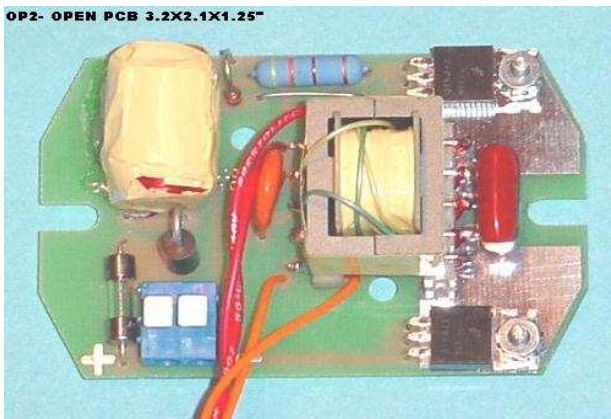
OP1- OPEN PCB, 2.86X1.35X1.25"



IL- INLINE NEMA 1 ENCLOSURE 8X3X2.5"



OP2- OPEN PCB 3.2X2.1X1.25"



N4X- NEMA 4 X ENCLOSURE 7.125X3.125X3.375"



OP3- OPEN PCB 3.5X1.7X1.25"

