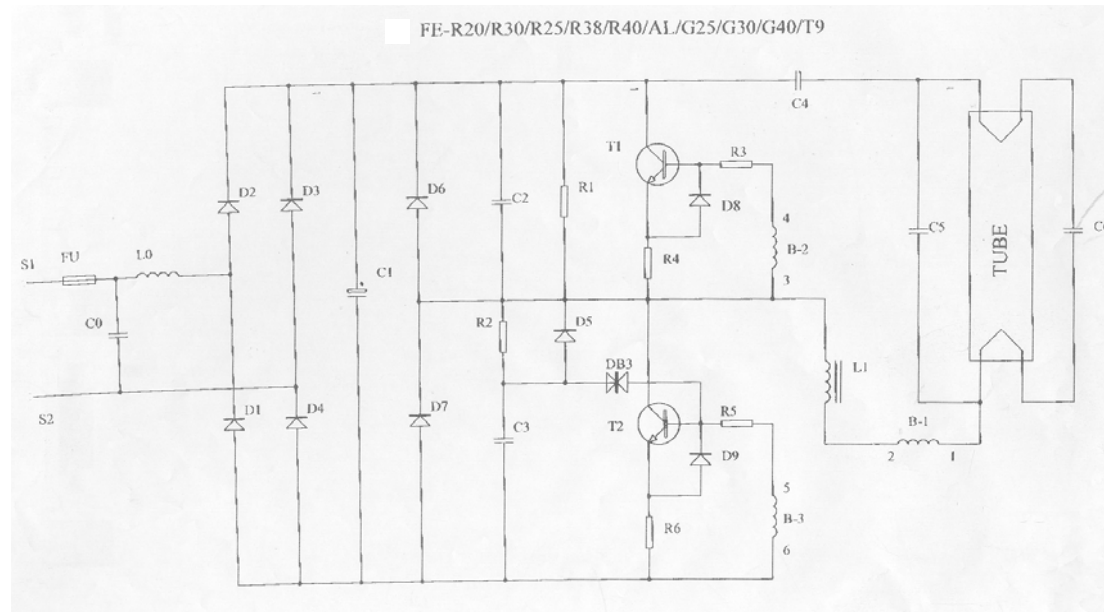


Schematics



APPENDIX

FORM OF COMPONENTS

COMPONENTS			MODEL	RATINGS					
				FE-R20-9W	FE-R20-11W	FE-R25-11W	FE-R25-13W	FE-R30-13W	FE-R30-15W
1		LAMP CAP	E26	E26	E26	E26	E26	E26	E26
2		ELECTRICAL WIRE	UL1569	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG
3		PLASTIC PIECE	PBT /GE 420SEO	Ø52mm	Ø52mm	Ø52mm	Ø52mm	Ø52mm	Ø52mm
4		CRYSTAL REVERBERATOR	REVERBERATOR	H=64.5 Ø63.5mm	H=64.5 Ø63.5mm	H=70.0 Ø80.0mm	H=70.0 Ø80.0mm	H=85.0 Ø93.5mm	H=85.0 Ø93.5mm
5		LAMP TUBE	SPIRAL	9W/Ø10.5	11W/Ø10.5	11W/Ø10.5	13W/Ø10.5	13W/Ø10.5	15W/Ø10.5
6		FILAMENT		Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm
		CASING PIPE							
7		FUSE CASING PIPE		Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm
8	FU	FUSE		1A/250VAC	1A/250VAC	1A/250VAC	1A/250VAC	1A/250VAC	2A/250VAC
9	PCB	PCB BOARD	PCB	LST-RS03	LST-RS03	LST-RS03	LST-RS03	LST-RS03	LST-RS03
10	B	RING MAGNET	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4
11	D1-D4	DIODE	IN4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
12	D5	DIODE	IN4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
13	D6,	DIODE		-----	-----	-----	-----	-----	-----
14	D7	DIODE		-----	-----	-----	-----	-----	-----
15	D8, D9	DIODE		-----	-----	-----	-----	-----	-----

COMPONENTS			MODEL	RATINGS					
				FE-R20-9W	FE-R20-11W	FE-R25-11W	FE-R25-13W	FE-R30-13W	FE-R30-15W
16	DB3	TYIGGER DIODE	DB3	DB3	DB3	DB3	DB3	DB3	DB3
17	R1, R2	RESISTOR		220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W
18	R3, R5	RESISTOR		10 Ω 1/4W	10 Ω 1/4W	10 Ω 1/4W	10 Ω 1/4W	10 Ω 1/4W	15 Ω 1/4W
19	R4, R6	RESISTOR		1 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1.5 Ω 1/4W
20	C0	CAPACITOR	CL21	47nF/400V	47nF/400V	47nF/400V	47nF/400V	47nF/400V	47nF/400V
21	C1	CAPACITOR	CD11	10uF/200V	10uF/200V	10uF/200V	10uF/200V	10uF/200V	22uF/200V
22	C2	CAPACITOR	CBB11	0.47nF/1200V	0.47nF/1200V	0.47nF/1200V	0.47nF/1200V	0.47nF/1200V	0.68nF/1200V
23	C3	CAPACITOR	CL11	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V
24	C4	CAPACITOR	CL11	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V
25	C5	CAPACITOR	CBB11	2.7nF/1200V	2.7nF/1200V	2.7nF/1200V	2.7nF/1200V	2.7nF/1200V	3.3nF/1200V
26	C6	CAPACITOR	CBB11	2.2nF/1200V	2.2nF/1200V	2.2nF/1200V	2.7nF/1200V	2.7nF/1200V	2.7nF/1200V
27	L	MAGNETIC		EE16	EE16	EE16	EE16	EE16	EE16
28	L0, 01	INDUCTANCE		$\varnothing$ 6*8mm	$\varnothing$ 6*8mm	$\varnothing$ 6*8mm	$\varnothing$ 8*10mm	$\varnothing$ 8*10mm	$\varnothing$ 8*10mm
		INDUCTANCE							
29	T1, T2	TRANSISTOR		DK42	DK42	DK42	DK42	DK42	13003

COMPONENTS			MODEL	RATINGS					
				FE-R38-16W	FE-R38-20W	FE-R40-16W	FE-R40-20W	FE-G25A-9W	FE-G25A-11W
1		LAMP CAP	E26	E26	E26	E26	E26	E26	E26
2		ELECTRICAL WIRE	UL1569	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG
3		PLASTIC PIECE	PBT /GE 420SEO	Ø52mm	Ø52mm	Ø52mm	Ø52mm	Ø65mm	Ø65mm
4		CRYSTAL REVERBERATOR	REVERBERATOR	H=97.0 Ø119.0mm	H=97.0 Ø119.0mm	H=96.0 Ø120.0mm	H=96.0 Ø120.0mm	H=67.82 Ø80mm	H=67.82 Ø80mm
5		LAMP TUBE	SPIRAL	16W/Ø10.5	20W/Ø10.5	16W/Ø10.5	20W/Ø10.5	9W/Ø10.5	11W/Ø10.5
6		FILAMENT		Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm
		CASING PIPE							
7		FUSE CASING PIPE		Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm
8	FU	FUSE		2A/250VAC	2A/250VAC	2A/250VAC	2A/250VAC	1A/250VAC	1A/250VAC
9	PCB	PCB BOARD	PCB	LST-RS03	LST-RS03	LST-RS03	LST-RS03	LST-G01	LST-G01
10	B	RING MAGNET	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4
11	D1-D4	DIODE	IN4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
12	D5	DIODE	IN4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
13	D6	DIODE		-----	1A/1000V	-----	1A/1000V	-----	-----
14	D7	DIODE		-----	1A/1000V	-----	1A/1000V	-----	-----
15	D8, D9	DIODE		-----	-----	-----	-----	-----	-----

COMPONENTS			MODEL	RATINGS					
				FE-R38-16W	FE-R38-20W	FE-R40-16W	FE-R40-20W	FE-G25A-9W	FE-G25A-11W
16	DB3	TYIGGER DIODE	DB3	DB3	DB3	DB3	DB3	DB3	DB3
17	R1,R2	RESISTOR		220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W
18	R3,R5	RESISTOR		15 Ω 1/4W	15 Ω 1/4W	15 Ω 1/4W	15 Ω 1/4W	10 Ω 1/4W	10 Ω 1/4W
19	R4,R6	RESISTOR		1.5 Ω 1/4W	1 Ω 1/4W	1.5 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W
20	C0	CAPACITOR	CL21	47nF/400V	47nF/400V	47nF/400V	47nF/400V	47nF/400V	47nF/400V
21	C1	CAPACITOR	CD11	22uF/200V	22uF/200V	22uF/200V	22uF/200V	10uF/200V	10uF/200V
22	C2	CAPACITOR	CBB11	0.68nF/1200V	0.68nF/1200V	0.68nF/1200V	0.68nF/1200V	0.47nF/1200V	0.47nF/1200V
23	C3	CAPACITOR	CL11	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V
24	C4	CAPACITOR	CL11	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V
25	C5	CAPACITOR	CBB11	3.3nF/1200V	3.3nF/1200V	3.3nF/1200V	3.3nF/1200V	2.7nF/1200V	2.7nF/1200V
26	C6	CAPACITOR	CBB11	2.7nF/1200V	3.3nF/1200V	2.7nF/1200V	3.3nF/1200V	2.2nF/1200V	2.2nF/1200V
27	L	MAGNETIC		EE16	EE19	EE16	EE19	EE16	EE16
28	L0	INDUCTANCE		Ø8*10mm	Ø8*10mm	Ø8*10mm	Ø8*10mm	Ø6*8mm	Ø6*8mm
		INDUCTANCE							
29	T1, T2	TRANSISTOR		13003	13003	13003	13003	DK42	DK42

COMPONENTS			MODEL	RATINGS					
				FE-G25B-13W	FE-G25B-16W	FE-G30A-15W	FE-G30A-18W	FE-G30B-20W	FE-G30B-23W
1		LAMP CAP	E26	E26	E26	E26	E26	E26	E26
2		ELECTRICAL WIRE	UL1569	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG
3		PLASTIC PIECE	PBT /GE 420SEO	Ø65mm	Ø65mm	Ø65mm	Ø65mm	Ø65mm	Ø65mm
4		CRYSTAL REVERBERATOR	REVERBERATOR	H=67.82 Ø80mm	H=67.82 Ø80mm	H=86.6 Ø95mm	H=86.6 Ø95mm	H=86.6 Ø95mm	H=86.6 Ø95mm
5		LAMP TUBE	SPIRAL	13W/Ø10.5	16W/Ø10.5	15W/Ø10.5	18W/Ø10.5	20W/Ø10.5	23W/Ø10.5
6		FILAMENT		Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm
		CASING PIPE							
7		FUSE CASING PIPE		Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm
8	FU	FUSE		1A/250VAC	2A/250VAC	1A/250VAC	2A/250VAC	2A/250VAC	2A/250VAC
9	PCB	PCB BOARD	PCB	LST-G01	LST-G01	LST-G01	LST-G01	LST-G01	LST-G01
10	B	RING MAGNET	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4
11	D1-D4	DIODE	IN4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
12	D5	DIODE	IN4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
13	D6	DIODE		-----	-----	-----	-----	-----	-----
14	D7	DIODE		-----	-----	-----	-----	-----	-----
15	D8, D9	DIODE		-----	-----	-----	-----	-----	-----

COMPONENTS			MODEL	RATINGS					
				FE-G25B-13W	FE-G25B-16W	FE-G30A-15W	FE-G30A-18W	FE-G30B-20W	FE-G30B-23W
16	DB3	TYIGGER DIODE	DB3	DB3	DB3	DB3	DB3	DB3	DB3
17	R1, R2	RESISTOR		220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W
18	R3, R5	RESISTOR		10 Ω 1/4W	15 Ω 1/4W	15 Ω 1/4W	20 Ω 1/4W	20 Ω 1/4W	15 Ω 1/4W
19	R4, R6	RESISTOR		1 Ω 1/4W	1.5 Ω 1/4W	1.5 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1.5 Ω 1/4W
20	C0	CAPACITOR	CL21	47nF/400V	47nF/400V	47nF/400V	47nF/400V	100nF/400V	100nF/400V
21	C1	CAPACITOR	CD11	10uF/200V	22uF/200V	22uF/200V	22uF/200V	22uF/200V	33uF/200V
22	C2	CAPACITOR	CBB11	0.47nF/1200V	0.68nF/1200V	0.68nF/1200V	0.47nF/1200V	0.68nF/1200V	1nF/1200V
23	C3	CAPACITOR	CL11	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V
24	C4	CAPACITOR	CL11	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V
25	C5	CAPACITOR	CBB11	2.7nF/1200V	3.3nF/1200V	3.3nF/1200V	3.3nF/1200V	3.3nF/1200V	3.3nF/1200V
26	C6	CAPACITOR	CBB11	2.7nF/1200V	2.7nF/1200V	2.7nF/1200V	2.7nF/1200V	3.3nF/1200V	3.3nF/1200V
27	L	MAGNETIC		EE16	EE16	EE16	EE16	EE19	EE19
28	L0	INDUCTANCE		Ø6*8mm	Ø6*8mm	Ø8*10mm	Ø8*10mm	Ø8*10mm	Ø8*10mm
		INDUCTANCE							
29	T1, T2	TRANSISTOR		DK42	13003	13003	13003	13003	3DD128F

COMPONENTS			MODEL	RATINGS					
				FE-G40-20W	FE-G40-23W	FE-G40-26W	FE-G40-32W	FE-AL-20W	FE-AL-24W
1		LAMP CAP	E26	E26	E26	E26	E26	E26	E26
2		ELECTRICAL WIRE	UL1569	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG	1C*22AWG
3		PLASTIC PIECE	PBT /GE 420SEO	Ø84.5mm	Ø84.5mm	Ø84.5mm	Ø84.5mm	Ø59mm	Ø59mm
4		CRYSTAL REVERBERATOR	GLOBE	H=112.3 Ø125mm	H=112.3 Ø125mm	H=112.3 Ø125mm	H=112.3 Ø125mm	H=107.0 Ø70mm	H=107.0 Ø70mm
5		LAMP TUBE	SPIRAL	20W/Ø12	23W/Ø12	26W/Ø12	32W/Ø12	20W/Ø10.5	24W/Ø10.5
6		FILAMENT		Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm	Ø1.0mm
		CASING PIPE							
7		FUSE CASING PIPE		Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm	Ø4.0mm
8	FU	FUSE		2A/250VAC	2A/250VAC	2A/250VAC	2A/250VAC	2A/250VAC	2A/250VAC
9	PCB	PCB BOARD	PCB	LST-G02	LST-G02	LST-G02	LST-G02	LST-G01	LST-G01
10	B	RING MAGNET	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4	FR-9*5*4
11	D1-D4	DIODE	1N4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
12	D5	DIODE	1N4007	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V	1A/1000V
13	D6,	DIODE	FR104	1A/1000V	1A/1000V	1A/1000V	1A/1000V	-----	1A/1000V
14	D7	DIODE	FR104	1A/1000V	1A/1000V	-----	-----	-----	1A/1000V
15	D8, D9	DIODE	FR104	-----	-----	1A/1000V	1A/1000V	-----	-----

COMPONENTS			MODEL	RATINGS					
				FE-G40-20W	FE-G40-23W	FE-G40-26W	FE-G40-32W	FE-AL-20W	FE-AL-24W
16	DB3	TYIGGER DIODE	DB3	DB3	DB3	DB3	DB3	DB3	DB3
17	R1,R2	RESISTOR		220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W	220K Ω 1/4W
18	R3,R5	RESISTOR		15 Ω 1/4W	15 Ω 1/4W	15 Ω 1/4W	15 Ω 1/4W	20 Ω 1/4W	15 Ω 1/4W
19	R4,R6	RESISTOR		1.5 Ω 1/4W	1.5 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W	1 Ω 1/4W
20	C0	CAPACITOR	CL21	100nF/400V	100nF/400V	100nF/400V	100nF/400V	47nF/400V	47nF/400V
21	C1	CAPACITOR	CD11	22uF/200V	33uF/200V	33uF/200V	47uF/200V	22uF/200V	33uF/200V
22	C2	CAPACITOR	CBB11	1nF/1200V	1nF/1200V	0.68nF/1200V	0.68nF/1200V	0.68nF/1200V	1nF/1200V
23	C3	CAPACITOR	CL11	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V	22nF/100V
24	C4	CAPACITOR	CL11	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V	47nF/250V
25	C5	CAPACITOR	CBB11	4nF/1200V	4nF/1200V	4nF/1200V	4.7nF/1200V	3.3nF/1200V	3.3nF/1200V
26	C6	CAPACITOR	CBB11	3.3nF/1200V	4nF/1200V	4nF/1200V	4nF/1200V	2.7nF/1200V	3.3nF/1200V
27	L	MAGNETIC		EE19	EE19	EE19	EE19	EE19	EE19
28	L0	INDUCTANCE		Ø8*10mm	Ø8*10mm	Ø8*10mm	Ø8*10mm	Ø8*10mm	Ø8*10mm
		INDUCTANCE							
29	T1, T2	TRANSISTOR		13003	3DD128F	3DD128F	3DD128F	13003	3DD128F

COMPONENTS			MODEL	RATINGS	
				FE-T9-22W	FE-T9-32W
1		LAMP CAP	E26	E26	E26
2		ELECTRICAL WIRE	UL1569	1C*22AWG	1C*22AWG
				1C*20AWG	1C*20AWG
3		PLASTIC PIECE (TOP)		Ø69mm	Ø69mm
		PLASTIC PIECE (BOTTOM)		H=33.0mm L=131.0mm	H=33.0mm L=131.0mm
		THE SPRING		L=35 mm Ø=14mm	L=35 mm Ø=14mm
		THE RACK		L=62.58mm	L=108.2mm
4		PLASTIC SOCKET (4 HOLE)	PBT /GE 420SEO	18mm*15mm	18mm*15mm
5		LAMP TUBE	ANNULARITY	22W/Ø30	32W/Ø30
6		FILAMENT		Ø1.0mm	Ø1.0mm
		CASING PIPE			
7		FUSE CASING PIPE	PBT /GE 420SEO	Ø4.0mm	Ø4.0mm
8	FU	FUSE	ANNULARITY	2A/250VAC	2A/250VAC
9	PCB	PCB BOARD	PCB	LST-G01	LST-G01
10	B	RING MAGNET	FR-9*5*4	FR-9*5*4	FR-9*5*4
11	D1-D4	DIODE	IN4007	IN4007	IN4007
12	D5	DIODE	IN4007	IN4007	IN4007

COMPONENTS			MODEL	RATINGS	
				FE-T9-22W	FE-T9-32W
13	D6,	DIODE	FR104	FR104	FR104
14	D7	DIODE	FR104	FR104	FR104
15	D8, D9	DIODE		-----	-----
16	DB3	TYIGGER DIODE	DB3	DB3	DB3
17	R1, R2	RESISTOR		220K Ω 1/4W	220K Ω 1/4W
18	R3, R5	RESISTOR		10 Ω 1/4W	10 Ω 1/4W
19	R4, R6	RESISTOR		1 Ω 1/4W	1 Ω 1/4W
20	C0	CAPACITOR	CL21	100nF/400V	100nF/400V
21	C1	CAPACITOR	CD11	33uF/200V	22uF/200V
22	C2	CAPACITOR	CBB11	1nF/1200V	1nF/1200V
23	C3	CAPACITOR	CL11	22nF/100V	22nF/100V
24	C4	CAPACITOR	CL11	100nF/250V	47nF/250V
25	C5	CAPACITOR	CBB11	6.8nF/1200V	5.6nF/1200V
26	C6	CAPACITOR	CBB11	6.8nF/1200V	5.6nF/1200V
27	L	MAGNETIC		EE19	EE19
28	L0	INDUCTANCE		Ø10*12mm	Ø8*10mm
		INDUCTANCE			
29	T1, T2	TRANSISTOR		3DD128F	13003