


Standard electronic ballast for Compact lamps

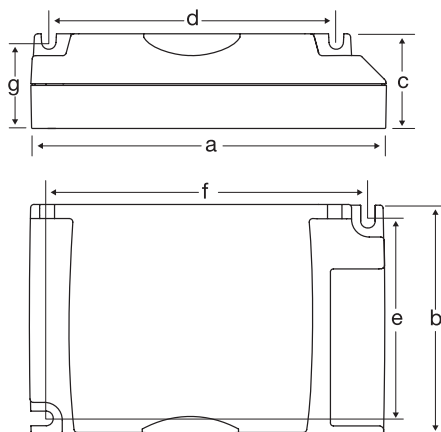
9-42W 220-240V 50-60Hz

-  Optimum Cathode Control
- Slim only 28mm high
- Multilamp operation
- Single and twin lamp operation
- Low power losses
- Suitable for independent use with installation box



Dimensions

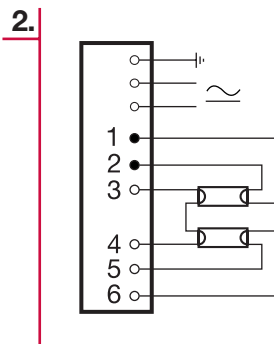
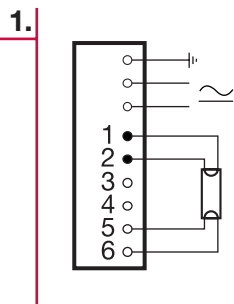
LENGTH 'a' (mm)	103,5
WIDTH 'b' (mm)	67
HEIGHT 'c' (mm)	28
'd' (mm)	83,5
'e' (mm)	57,5
'f' (mm)	93,5
'g' (mm)	25,5



Lamp type	W	No. of lamps	Ballast	EEL	Wiring no.	Weight (g)	Circuit power (W)	Mains current (A)	Power factor	Operating frequency (kHz)	Lamp power (W)
TC-L	18	1	EL1/2x18-42TCs	A2	1	132	17	0.08	0.94	70	14.8
		2	EL1/2x18-42TCs	A2	2	132	32	0.14	0.97	70	14.8
	24	1	EL1/2x18-42TCs	A2	1	132	26	0.12	0.95	70	23
		2	EL1/2x18-42TCs	A2	2	132	48	0.21	0.98	70	22.3
TC-F	18	1	EL1/2x18-42TCs	A2	1	132	17	0.08	0.94	70	14.8
		2	EL1/2x18-42TCs	A2	2	132	32	0.14	0.97	70	14.8
	24	1	EL1/2x18-42TCs	A2	1	132	26	0.12	0.95	70	23
		2	EL1/2x18-42TCs	A2	2	132	48	0.21	0.98	70	22.3
TC-DE	10	1	EL1/2x9-13TCs	A2	1	118	10	0.05	0.9	65	8.9
		2	EL1/2x9-13TCs	A2	2	118	20	0.09	0.97	65	8.9
	13	1	EL1/2x9-13TCs	A2	1	118	15	0.07	0.94	65	13.8
		2	EL1/2x9-13TCs	A2	2	118	28	0.13	0.98	65	13.5
18	1	EL1/2x18TCs	A2	1	120	19	0.09	0.96	67	16.9	
	2	EL1/2x18TCs	A2	2	120	36	0.16	0.98	67	16.9	
26	1	EL1/2x18-42TCs	A2	1	132	27	0.13	0.96	70	24.7	
	2	EL1/2x18-42TCs	A2	2	132	51	0.23	0.98	70	23.8	
TC-TE	13	1	EL1/2x9-13TCs	A2	1	118	15	0.07	0.94	65	13.8
		2	EL1/2x9-13TCs	A2	2	118	28	0.13	0.98	65	13.5
	18	1	EL1/2x18TCs	A2	1	120	19	0.09	0.96	67	16.9
		2	EL1/2x18TCs	A2	2	120	36	0.16	0.98	67	16.9
	26	1	EL1/2x18-42TCs	A2	1	132	27	0.13	0.96	70	24.7
		2	EL1/2x18-42TCs	A2	2	132	51	0.23	0.98	70	23.8
32	1	EL1/2x18-42TCs	A2	1	132	32	0.15	0.97	70	29.4	
	2	EL2x32/42TCs	A2	2	132	64	0.29	0.98	70	28.5	
42	1	EL1/2x18-42TCs	A2	1	132	44	0.2	0.98	70	42.2	
	2	EL2x32/42TCs *	A2	2	132	85	0.38	0.98	70	40.5	
TC-SE	9	1	EL1/2x9-13TCs	A2	1	118	10	0.05	0.9	65	8.5
		2	EL1/2x9-13TCs	A2	2	118	18	0.08	0.96	65	8.5
	11	1	EL1/2x9-13TCs	A2	1	118	14	0.07	0.93	65	12.8
		2	EL1/2x9-13TCs	A2	2	118	27	0.12	0.98	65	12.9
T5c	22	1	EL1/2x18-42TCs	A2	1	132	25	0.12	0.95	70	22.6
		2	EL1/2x18-42TCs	A2	2	132	41	0.19	0.98	70	38.6
	40	1	EL1/2x18-42TCs	A2	1	132	41	0.19	0.98	70	38.6
	22+40	2	EL2x32/42TCs	A2	2	132	64	0.28	0.98	70	21.8 / 38

Connection diagrams

NOTE: All wiring to the connectors marked with a black dot; • (hot wires) should be as short as possible.



Technical characteristics

Max. temperature at tc point	70°C
Ambient temperature range	-20...+50°C *
Storage temperature range	-40...+70°C
Maximum relative humidity	no condensation
Number of starts per lamp, typical	>50 000
Operating voltage AC/DC	190-264V
Battery voltage	176-280 VDC **
Over voltage duration	320VAC / 1h
Maximum working voltage (Uout)	250V ***
Lifetime (90% survival)	50 000h at Tc max
Max length of ballast to lamp wiring 2m	
Ignition time	~1s

Standards

General requirements	EN 61347-1
Safety requirements	EN 61347-2-3
Performance requirements	EN 60929
Lamp life	EN 60901
Mains current harmonics	EN 61000-3-2
Radio Frequency Interference	EN 55015
Immunity standard (EMC)	EN 61547
Vibration test	EN 60068-2-64 test Fh
Bump test	EN 60068-2-29 test Eb
Thermal protection class	EN 61347, B.6.2e
DC use requirements	EN 60925,
	EN 61347-2-4

* Measured with lamps using cold spot technology ** For 2x42W lamp, DC range is 190-280V *** EL2x32/42TCs 300V