

Magnetic ballasts for compact fluorescent lamps



18 - 36 W 230 V, 50 Hz

- Meets EN 61347-2-8 & EN 60921 requirements
- Low power losses
- 100 % quality controlled
- Double wire terminals without screws
- Low harmonics
- Very low magnetic field
- Small size
- Long lifetime



Lamp				Ballast						Compensation		
Lamp type	Lamp wattage	No. of lamps	Lamp current	Ballast type	EEL	Dimensions	Connection	Net weight	Inductive	Temp. rise	Parallel Ck 230/250V ±10 %	Mains current
	(W)		(A)			(p.49)	(p.49)	(kg)	λ	Δt (°C)	(μ F)	(A)
	18	1	0.37	L18 TL2	B1	2	3	0.83	0.30	35/60	4.5	0.15
	18	1	0.37	L18 TL3	B1	2	3	0.78	0.30	40/70	4.5	0.15
	18	1	0.37	L18 TL4	B2	2	3	0.65	0.30	45/80	4.5	0.15
	18	1	0.37	L18 A-K	B2	1	3	0.61	0.32	55/95	4.5	0.15
	18	1	0.37	L18 A-T	B2	1	3	0.57	0.32	50/95	4.5	0.15
	18	1	0.37	L20 A-P ¹⁾	C	1	3	0.56	0.32	55/95	4.5	0.15
	18	1	0.37	L18 A-L ¹⁾	C	1	3	0.51	0.35	65/90	4.5	0.15
	18	2	0.37	L36 TL2	B1	2	4	0.83	0.45	35/90	4.5	0.23
	18	2	0.37	L36 TL3	B1	2	4	0.78	0.45	40/90	4.5	0.23
	18	2	0.37	L36 TL4	B2	2	4	0.65	0.45	45/110	4.5	0.23
	18	2	0.37	L36 A-K	B2	1	4	0.61	0.50	50/145	4.5	0.23
	18	2	0.37	L36 A-TK	B2	1	4	0.57	0.50	50/140	4.5	0.23
	18	2	0.37	L36 A-T	B2	1	4	0.57	0.50	50/155	4.5	0.23
	18	2	0.37	L40 A-C ¹⁾	C	1	4	0.53	0.53	55/160	4.5	0.23
	18	2	0.37	L40 A-L ¹⁾	D	1	4	0.51	0.55	65/160	4.5	0.23
	24	1	0.345	L18 TL2	B1	2	3	0.83	0.38	35/60	4.0	0.16
	24	1	0.345	L18 TL3	B1	2	3	0.76	0.38	40/70	4.0	0.16
	24	1	0.345	L18 TL4	B1	2	3	0.65	0.41	45/80	4.0	0.16
	24	1	0.345	L18 A-K	B2	1	3	0.61	0.40	55/95	4.0	0.16
	24	1	0.345	L18 A-T	B2	1	3	0.57	0.38	50/95	4.0	0.16
	24	1	0.345	L20 A-P	B2	1	3	0.56	0.42	50/95	4.0	0.16
	24	1	0.345	L26 TS5-100mm	B2	3	3	0.50	0.40	55/100	4.0	0.16
	24	1	0.345	L18 A-L ¹⁾	C	1	3	0.51	0.42	65/90	4.0	0.16
	36	1	0.43	L36 TL2	B1	2	3	0.83	0.43	35/90	4.5	0.23
	36	1	0.43	L36 TL3	B1	2	3	0.78	0.43	40/90	4.5	0.23
	36	1	0.43	L36 TL4	B2	2	3	0.65	0.43	45/110	4.5	0.23
	36	1	0.43	L36 A-K	B2	1	3	0.61	0.45	50/145	4.5	0.23
	36	1	0.43	L36 A-TK	B2	1	3	0.57	0.45	50/140	4.5	0.23
	36	1	0.43	L36 A-T	B2	1	3	0.57	0.45	50/155	4.5	0.23
	36	1	0.37	L40 A-C ¹⁾	C	1	3	0.53	0.50	55/160	4.5	0.23
	36	1	0.43	L40 A-L ¹⁾	D	1	3	0.51	0.50	65/160	4.5	0.23

Note: See page 49 for connection diagrams, dimensions and delivery information.

1) Not available for European Union market

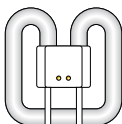
Magnetic ballasts for compact fluorescent lamps



10 - 38 W 230 V, 50 Hz

- Meets EN 61347-2-8 & EN 60921 requirements
- Low power losses
- 100 % quality controlled
- Double wire terminals without screws
- Low harmonics
- Very low magnetic field
- Small size
- Long lifetime



Lamp				Ballast							Compensation	
Lamp type	Lamp wattage	No. of lamps	Lamp current	Ballast type	EEL	Dimensions	Connection	Net weight	Inductive	Temp. rise	Parallel Ck 230/250V ±10 %	Mains current
	(W)		(A)			(p.49)	(p.49)	(kg)	λ	Δt (°C)	(μF)	(A)
 TC-DD³⁾	16	1	0.20	L16 DL	B1	4	8	0.32	0.43	60/150	2.0	0.11
	16	1	0.20	L16 D	B2	4	8	0.32	0.46	65/150	2.0	0.11
	28	1	0.325	L18 TL2	B1	2	8	0.83	0.48	35/60	3.5	0.20
	28	1	0.325	L18 TL3	B1	2	8	0.78	0.48	40/70	3.5	0.20
	28	1	0.325	L18 TL4	B2	2	8	0.65	0.44	45/80	3.5	0.20
	28	1	0.325	L18 A-T	B2	1	8	0.57	0.50	50/95	3.5	0.20
	28	1	0.325	L20 A-P ¹⁾	C	1	8	0.56	0.50	55/95	3.5	0.20
	28	1	0.325	L18 A-L ¹⁾	C	1	8	0.51	0.50	65/90	3.5	0.20
	38	1	0.43	L36 TL2	B1	2	8	0.83	0.45	35/90	4.5	0.24
	38	1	0.43	L36 TL3	B1	2	8	0.78	0.45	40/90	4.5	0.24
	38	1	0.43	L36 TL4	B2	2	8	0.65	0.45	45/110	4.5	0.24
	38	1	0.43	L36 A-K	B2	1	8	0.61	0.48	50/145	4.5	0.24
	38	1	0.43	L36 A-TK	B2	1	8	0.57	0.45	50/140	4.5	0.24
	38	1	0.43	L36 A-T	B2	1	8	0.57	0.45	50/155	4.5	0.24
	38	1	0.43	L40 A-C ¹⁾	C	1	8	0.53	0.48	55/160	4.5	0.24
	38	1	0.43	L40 A-L ¹⁾	D	1	8	0.51	0.48	65/160	4.5	0.24
 T-R ³⁾	22	1	0.40	L30 TL2	B1	2	7	0.82	0.30	40/70	5.0	0.17
	22	1	0.40	L30 A ¹⁾	C	1	7	0.61	0.35	60/110	5.0	0.17
	32	1	0.45	L32 TB2	B2	2	7	0.62	0.40	55/120	5.0	0.21
	10	1	0.19	L13 DL	B2	4	5	0.32	0.35	50/95	2.0	0.08
	10	1	0.19	L13 D	B2	4	5	0.32	0.35	65/120	2.0	0.08
	13	1	0.175	L13 DL	B1	4	5	0.32	0.45	50/95	2.0	0.08
	13	1	0.175	L13 D	B1	4	5	0.32	0.45	65/120	2.0	0.08
	18	1	0.22	L18 TLD-100mm	B1	3	5	0.50	0.45	30/60	2.0	0.12
	18	1	0.22	L18 DL	B1	4	5	0.32	0.45	60/150	2.0	0.12
	18	1	0.22	L18 D	B1	4	5	0.32	0.50	65/155	2.0	0.13
	26	1	0.325	L18 TL2	B1	2	5	0.83	0.43	35/60	3.5	0.18
	26	1	0.325	L18 TL3	B1	2	5	0.78	0.43	40/70	3.5	0.18
	26	1	0.325	L18 TL4	B2	2	5	0.65	0.45	45/80	3.5	0.18
	26	1	0.325	L20 A-P	B2	1	5	0.56	0.45	50/95	3.5	0.18
	26	1	0.325	L18 A-T	B2	1	8	0.57	0.45	50/95	3.5	0.18
	26	1	0.325	L18 A-K	B2	1	5	0.61	0.45	55/95	3.5	0.18
	26	1	0.325	L26 TS5-100mm	B2	3	5	0.50	0.45	50/100	3.5	0.18
	26	1	0.325	L26 S-100mm	B2	5	5	0.44	0.47	60/140	3.5	0.18
	26	1	0.325	L18 A-L ¹⁾	C	1	5	0.51	0.45	75/90	3.5	0.18

Note: See page 49 for connection diagrams, dimensions and delivery information.

1) Not available for European Union market

2) Also GR 10q; external starter required

3) Cap G10q

Magnetic ballasts for compact fluorescent lamps



4 - 13 W 230 V, 50 Hz

- Meets EN 61347-2-8 & EN 60921 requirements
- Low power losses
- 100 % quality controlled
- Double wire terminals without screws
- Low harmonics
- Very low magnetic field
- Small size
- Long lifetime



Lamp				Ballast						Compensation		
Lamp type	Lamp wattage	No. of lamps	Lamp current	Ballast type	EEL	Dimensions	Connection	Net weight	Inductive	Temp. rise	Parallel Ck 230/250V ±10 %	Mains current
	(W)		(A)			(p.49)	(p.49)	(kg)	λ	Δt (°C)	(μF)	(A)
	4	1	0.17	L8 D	B2	4	1	0.32	0.25	65/90	2.0	0.06
	4	2	0.17	L8 D	B2	4	2	0.32	0.35	65/90	2.0	0.06
	6	1	0.16	L8 D	B2	4	1	0.32	0.30	65/90	2.0	0.06
	6	2	0.16	L13 DL	B1	4	2	0.32	0.45	50/95	2.0	0.08
	6	2	0.16	L13 D	B1	4	2	0.32	0.45	65/120	2.0	0.08
	8	1	0.145	L8 D	B2	4	1	0.32	0.33	65/90	2.0	0.06
	8	1	0.145	L11 D	B2	4	1	0.32	0.33	60/85	2.0	0.06
	8	2	0.145	L13 DL	B1	4	2	0.32	0.50	50/95	2.0	0.10
	8	2	0.145	L16 DL	B1	4	2	0.32	0.43	60/150	2.0	0.11
	8	2	0.145	L16 D	B2	4	2	0.32	0.50	65/150	2.0	0.11
	13	1	0.165	L13 DL	B1	4	1	0.32	0.45	50/95	2.0	0.10
	13	1	0.165	L13 D	B1	4	1	0.32	0.45	65/120	2.0	0.10
	5	1	0.18	L11 DL	B2	4	5	0.32	0.28	60/95	2.0	0.07
	5	1	0.18	L11 D	B2	4	5	0.32	0.25	60/85	2.0	0.07
	5	2	0.18	L13 DL	B1	4	6	0.32	0.35	50/95	2.0	0.08
	5	2	0.18	L13 D	B1	4	6	0.32	0.40	65/120	2.0	0.08
	7	1	0.18	L11 DL	B1	4	5	0.32	0.30	60/95	2.0	0.07
	7	1	0.18	L11 D	B2	4	5	0.32	0.28	60/85	2.0	0.07
	7	2	0.18	L13 DL	B1	4	6	0.32	0.45	50/95	2.0	0.09
	7	2	0.18	L13 D	B1	4	6	0.32	0.45	65/120	2.0	0.09
	9	1	0.17	L11 DL	B1	4	5	0.32	0.32	60/95	2.0	0.07
	9	1	0.17	L11 D	B2	4	5	0.32	0.33	60/85	2.0	0.07
	9	2	0.17	L13 DL	B1	4	6	0.32	0.55	50/95	2.0	0.10
	9	2	0.17	L13 D	B1	4	6	0.32	0.55	65/120	2.0	0.10
	11	1	0.155	L11 DL	B1	4	5	0.32	0.43	60/95	2.0	0.08
	11	1	0.155	L11 D	B2	4	5	0.32	0.43	60/85	2.0	0.08

Note: See page 49 for connection diagrams, dimensions and delivery information.

Magnetic ballasts for compact fluorescent lamps



4-36 W 240 V, 50 Hz

- Meets EN 61347-2-8 & EN 60921 requirements
- Low power losses
- 100 % quality controlled
- Double wire terminals without screws
- Low harmonics
- Very low magnetic field
- Small size
- Long lifetime



Lamp				Ballast						Compensation		
Lamp type	Lamp wattage	No. of lamps	Lamp current	Ballast type	EEL	Dimensions	Connection	Net weight	Inductive	Temp. rise	Parallel Ck 230/250V ±10 %	Mains current
	(W)		(A)			(p.49)	(p.49)	(kg)	λ	Δt (°C)	(μF)	(A)
T5	4	1	0.17	L 8 D	B2	4	1	0.32	0.25	60/90	2.0	0.05
	4	2	0.17	L 8 D	B2	4	2	0.32	0.35	60/90	2.0	0.06
	6	1	0.16	L 8 D	B2	4	1	0.32	0.30	60/90	2.0	0.05
	6	2	0.16	L 13 D	B2	4	2	0.32	0.45	65/110	2.0	0.08
	8	1	0.145	L 8 D	B2	4	1	0.32	0.33	60/90	2.0	0.06
	8	1	0.145	L 11 D	B2	4	1	0.32	0.33	65/90	2.0	0.06
	8	2	0.145	L 16 D	B2	4	2	0.32	0.45	65/90	2.0	0.10
	13	1	0.165	L 13 D	B2	4	1	0.32	0.45	65/110	2.0	0.08
TC-S	5	1	0.18	L 11 D	B2	4	5	0.32	0.25	65/90	2.0	0.06
	5	2	0.18	L 13 D	B2	4	6	0.32	0.40	65/110	2.0	0.08
	7	1	0.18	L 11 D	B2	4	5	0.32	0.30	65/90	2.0	0.07
	7	2	0.18	L 13 D	B2	4	6	0.32	0.45	65/110	2.0	0.09
	9	1	0.17	L 11 D	B2	4	5	0.32	0.33	65/90	2.0	0.07
	9	2	0.17	L 13 D	B2	4	6	0.32	0.55	65/110	2.0	0.10
	11	1	0.155	L 11 D	B2	4	5	0.32	0.43	65/90	2.0	0.08
TC-D	10	1	0.19	L 13 D	B2	4	5	0.32	0.35	65/110	2.0	0.08
	13	1	0.175	L 13 D	B2	4	5	0.32	0.45	65/110	2.0	0.08
	18	1	0.22	L 18 D	B1	4	5	0.32	0.45	65/155	2.0	0.12
	26	1	0.325	L 18 TL4	B2	2	5	0.65	0.42	45/80	3.5	0.17
	26	1	0.325	L 18 A-K	B2	1	3	0.61	0.43	55/90	3.5	0.17
	26	1	0.325	L 26 TS5-100	B2	3	5	0.50	0.43	50/110	3.5	0.17
	26	1	0.325	L 26 S-100	B2	5	5	0.44	0.45	60/150	3.5	0.17
	26	1	0.325	L 20 A-P ¹⁾	C	1	5	0.56	0.45	60/90	3.0	0.17
TC-L	18	1	0.37	L 18 TL4	B2	2	3	0.65	0.29	45/80	4.0	0.15
	18	1	0.37	L 18 A-K	B2	1	3	0.61	0.32	55/90	4.0	0.15
	18	1	0.37	L 20 A-P ¹⁾	C	1	3	0.56	0.35	60/90	4.0	0.15
	18	2	0.37	L 36 TL2	B1	2	4	0.83	0.44	35/95	4.0	0.21
	18	2	0.37	L 36 A-K	B2	1	4	0.61	0.50	55/155	4.0	0.21
	18	2	0.37	L 36 A-T	B2	1	4	0.57	0.52	55/155	4.0	0.21
	18	2	0.37	L 40 A-P ¹⁾	C	1	4	0.56	0.53	70/160	4.0	0.21
	24	1	0.345	L 18 TL4	B2	2	3	0.65	0.47	45/80	3.5	0.15
	24	1	0.345	L 26 TS5-100	B2	3	3	0.50	0.38	55/110	3.5	0.15
	24	1	0.345	L 20 A-P ¹⁾	C	1	3	0.56	0.42	60/90	3.5	0.15
	36	1	0.43	L 36 TL2	B1	2	3	0.83	0.42	35/95	4.0	0.22
	36	1	0.43	L 36 A-K	B2	1	3	0.61	0.45	55/155	4.0	0.22
	36	1	0.43	L 36 A-T	B2	1	3	0.57	0.47	55/155	4.5	0.22
	36	1	0.43	L 40 A-P ¹⁾	C	1	3	0.56	0.50	70/160	4.0	0.22
TC-DD²⁾	16	1	0.195	L 16 D	B2	4	8	0.32	0.45	65/160	2.0	0.11
	28	1	0.32	L 18 TL4	B2	2	8	0.65	0.47	45/80	3.5	0.17
	28	1	0.32	L 20 A-P ¹⁾	C	1	8	0.56	0.50	60/90	3.0	0.18
TR³⁾	22	1	0.40	L 30 A	B2	1	7	0.51	0.35	60/125	4.5	0.19

Note: See page 49 for connection diagrams, dimensions and delivery information.

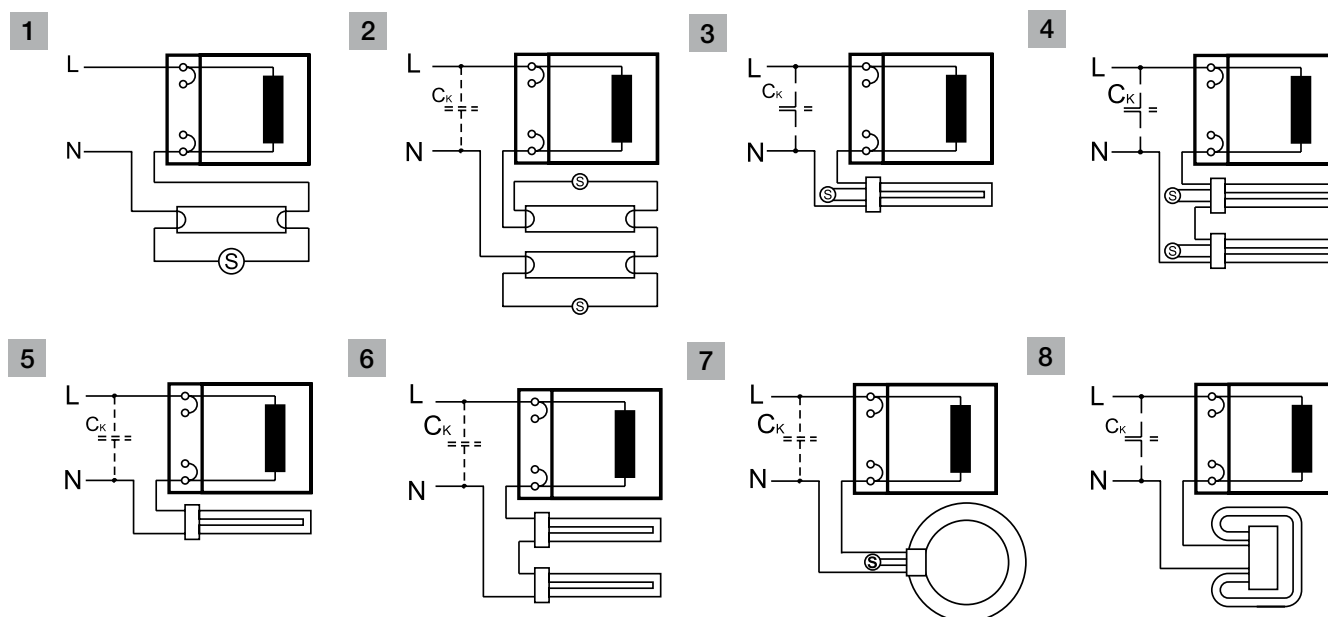
1) Not available for European Union market

2) Cap GR8, also GR 10q; external starter required

3) Cap G10q

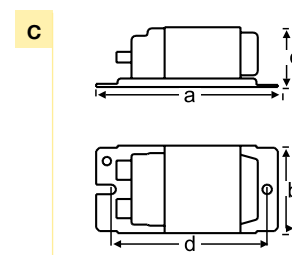
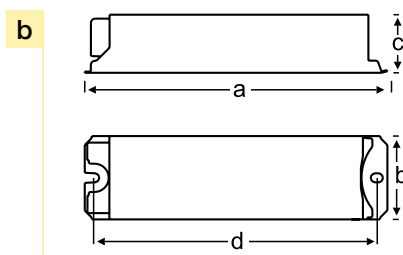
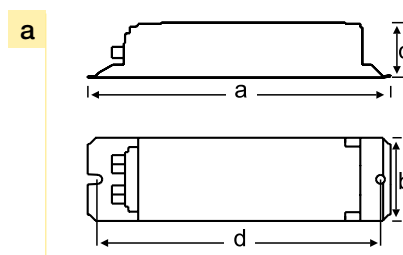
Connection diagrams

L-A... / L-T... / L-D



Dimensions

No.	1	2	3	4	5
Drawing	A	B	B	C	D
Length 'a' (mm)	150	150	110	85	110
Width 'b' (mm)	42	42	42	41.5	42
Height 'c' (mm)	28	28.8	28.8	28	26
'd' (mm)	140	140	100	73	100



Delivery information

Delivery information									
Ballast	Unit package			Transportation package					
	Minimum delivery amount	Plastic binding strip	Carton box	Eur pallet 1200 x 820 (pcs.)	One-way pallet			Pallet weight (kg)	Pallet height (cm)
					1080 x 770 (pcs.)	730 x 650 (pcs.)	1120 x 730 (pcs.)		
L 18 - 36TL	10	X		1250	1400	840	-	720-1190	53
L...TS / TLD, L 21TL	10	X		2100	1500	-	-	1010-1159	63
L 15 - 40 A...	10	X		2000 1000	2000	960	-	A/AK 602-1256 AP/AT 545-1135	68 68
L...D / DL	30		X	1800	-	-	1800	612	40
L 26 S-100mm	8	X		2016	-	-	-	925	46