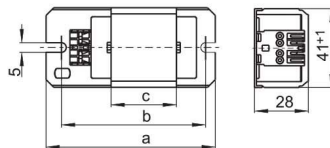


Standard Ballasts
5-16 W, 230/240/220 V

For compact fluorescent lamps
Shape: 28x41 mm

Vacuum-impregnated with polyester resin
Push-in terminal for leads: 0,5–1 mm²
For the automatic luminaire wiring:
IDC terminals for leads H05V-U 0.5
tw 130
Protection class I



Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δt _{an.}	Energy efficiency	C _p	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
230 V, 50 Hz														
5	TC-S	G23	180	L 7/9/11.307*	163694	230, 50	85	75	34	0.32	60/85	B2	2.0	50
2x5	TC-S	G23	180	LN 13.805*	169647	230, 50	85	75	34	0.32	50/85	B1	2.0	70
				LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B2	2.0	70
7	TC-S	G23	175	L 7/9/11.307*	163694	230, 50	85	75	34	0.32	60/85	B2	2.0	50
2x7	TC-S	G23	160	INN 13.044	564190	230, 50	155	140	92	0.80	25/40	A2	2.0	80
				LN 13.805*	169647	230, 50	85	75	34	0.32	50/85	B1	2.0	70
				LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B2	2.0	70
9	TC-S	G23	170	INN 9/11.015	562658	230, 50	155	140	92	0.80	15/40	A2	2.0	60
2x9	TC-S	G23	140	L 7/9/11.307*	163694	230, 50	85	75	34	0.32	60/85	B1	2.0	60
				INN 13.044	564190	230, 50	155	140	92	0.80	25/40	A2	2.0	80
				LN 13.805*	169647	230, 50	85	75	34	0.32	50/85	B1	2.0	70
10	TC-D	G24d-1	190	LN 13.805*	169647	230, 50	85	75	34	0.32	50/85	B1	2.0	70
				LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B2	2.0	70
	TC-DD	GR10q	180	LN 13.805*	169647	230, 50	85	75	34	0.32	50/85	B1	2.0	70
11	TC-S	G23	155	LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B2	2.0	70
				INN 9/11.015	562658	230, 50	155	140	92	0.80	15/40	A2	2.0	60
				L 7/9/11.307*	163694	230, 50	85	75	34	0.32	60/85	B1	2.0	80
13	TC-D/TC-T	G24d-1/GX24d-1	175	INN 13.044	564190	230, 50	155	140	92	0.80	25/40	A2	2.0	80
				LN 13.805*	169647	230, 50	85	75	34	0.32	50/85	B1	2.0	80
				LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B2	2.0	80
16	TC-DD	GR8/GR10q	195	LN 16.316*	163730	230, 50	85	75	34	0.32	60/125	B1	2.0	100
240 V, 50 Hz														
5	TC-S	G23	180	L 7/9/11.411	164335	240, 50	85	75	34	0.32	60/85	B2	2.0	50
2x5	TC-S	G23	180	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B2	2.0	70
7	TC-S	G23	175	L 7/9/11.411	164335	240, 50	85	75	34	0.32	60/85	B2	2.0	50
2x7	TC-S	G23	160	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B2	2.0	70
9	TC-S	G23	170	L 7/9/11.411	164335	240, 50	85	75	34	0.32	60/85	B1	2.0	60
2x9	TC-S	G23	140	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B2	2.0	80
10	TC-D	G24d-1	190	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B2	2.0	70
	TC-DD	GR10q	180	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B2	2.0	70
11	TC-S	G23	155	L 7/9/11.411	164335	240, 50	85	75	34	0.32	60/85	B1	2.0	80
13	TC-D/TC-T	G24d-1/GX24d-1	175	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B1	2.0	80
16	TC-DD	GR8/GR10q	195	LN 16.417	164358	240, 50	85	75	34	0.32	60/130	B1	2.0	100

* Ballasts without CE marking for replacements or markets outside of the EU

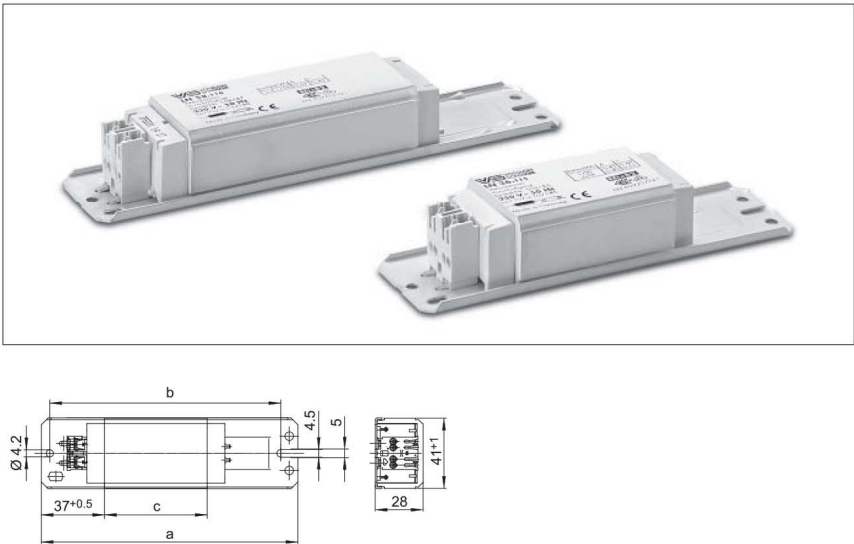
Standard Ballasts 5-16 W, 230/240/220 V

Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
220 V, 60 Hz														
5	TC-S	G23	180	L 7/9/11.207	163305	220, 60	85	75	34	0.32	35/65	—	2.0	70
2x5	TC-S	G23	180	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	90
7	TC-S	G23	175	L 7/9/11.207	163305	220, 60	85	75	34	0.32	35/65	—	2.0	70
2x7	TC-S	G23	160	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	90
9	TC-S	G23	170	L 7/9/11.207	163305	220, 60	85	75	34	0.32	35/65	—	2.0	70
2x9	TC-S	G23	140	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	90
10	TC-D	G24d-1	190	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	80
	TC-DD	GR10q	180	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	80
11	TC-S	G23	155	L 7/9/11.207	163305	220, 60	85	75	34	0.32	35/65	—	2.0	80
13	TC-D/TC-T	G24d-1/GX24d-1	165	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	110

Standard Ballasts
18-58 W
230/240/220 V

For compact fluorescent lamps
Shape: 28x41 mm

Vacuum-impregnated with polyester resin
Push-in terminal for leads: 0.5-1 mm²
For the automatic luminaire wiring:
IDC terminals for leads H05V-U 0.5
tw 130
Protection class I



Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
230 V, 50 Hz														
18	TC-D/TC-T	G24d-2/GX24d-2	220	INN 181.046	564192	230, 50	232.5	220	160	1.35	15/30	A2	2.0	110
				IN 181.940*	508922	230, 50	85	75	34	0.32	50/120	B1	2.0	110
				IN 181.319*	163763	230, 50	85	75	34	0.32	60/140	B1	2.0	110
	TC-F/TC-L	2G10/2G11	370	IN 18.510*	164572	230, 50	155	140	92	0.80	40/65	B1	4.5	120
				IN 18.131*	530941	230, 50	150	140	60	0.55	55/95	B2	4.5	120
				L 18.934*	534621	230, 50	150	140	45	0.43	70/150	—	4.5	120
	T-U	2G13	370	IN 18.131*	530941	230, 50	150	140	60	0.55	55/95	B2	4.5	120
				L 18.934*	534621	230, 50	150	140	45	0.43	70/150	—	4.5	120
2x18	TC-F/TC-L	2G10/2G11	400	INN 2X18.043	564189	230, 50	150	135	60	0.55	40/160	A2	4.0	210
				IN 2x18.135*	532155	230, 50	150	140	45	0.43	65	B1	4.0	210
22	T-R	G10q	400	IN 30.530*	164680	230, 50	155	140	92	0.80	45/65	B2	4.5	200
24	TC-F/TC-L	2G10/2G11	345	IN 24/26.804*	534490	230, 50	150	140	60	0.55	55/110	B2	4.5	150
				L 18.934*	534621	230, 50	150	140	45	0.43	70/150	—	4.5	150

* Ballasts without CE marking for replacements or markets outside of the EU

Standard Ballasts 18–58 W, 230/240/220 V

Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
230 V, 50 Hz														
26	TC-D/TC-T	G24d-3/GX24d-3	325	LN 18.131*	530941	230, 50	150	140	60	0.55	55/95	B1	3.5	140
				LN 26.813*	509502	230, 50	110	100	45	0.41	55/145	B2	3.5	140
				L 18.934*	534621	230, 50	150	140	45	0,43	70/150	—	3,5	140
28	TC-DD	GR8/GR10q	320	LN 18.510*	164572	230, 50	155	140	92	0.80	40/65	B1	3.5	150
				LN 18.131*	530941	230, 50	150	140	60	0.55	55/95	B1	3.5	150
				L 18.934*	534621	230, 50	150	140	45	0.43	70/150	—	3.5	150
32	TR	G10q	450	LN 36.570*	169779	230, 50	155	140	92	0.80	35/90	B2	4.0	220
36	TC-F/TC-L	2G10/2G11	430	LN 36.570*	169779	230, 50	155	140	92	0.80	35/90	B1	4.5	210
				LN 36.511*	164590	230, 50	155	140	92	0.80	35/95	B1	4.5	210
				LN 36.130*	527191	230, 50	150	140	60	0.55	50/140	B2	4.5	210
				LN 36.149*	529029	230, 50	150	140	60	0.55	55/150	B2	4.5	210
				L 36.132*	535977	230, 50	150	140	45	0.43	65	—	4.5	210
36/40	T-U/TR	2G13/G10q	430	LN 36.570*	169779	230, 50	150	140	92	0.80	35/90	B1	4.5	210
				LN 36.149*	529029	230, 50	150	140	60	0.55	55/150	B2	4.5	210
				L 36.132*	535977	230, 50	150	140	45	0.43	65	—	4.5	210
38	TC-DD	GR10q	430	LN 36.570*	169779	230, 50	155	140	92	0.80	35/90	B1	4.5	210
				LN 36.149*	529029	230, 50	150	140	60	0.55	55/150	B2	4.5	210
				L 36.132*	535977	230, 50	150	140	45	0.43	65	—	4.5	210
58	T-U	2G13	670	LN 58.568*	169389	230, 50	233	220	160	1.31	35/95	B1	7.0	320
				LN 58.990*	509349	230, 50	190	180	110	0.95	50/130	B2	7.0	320
				LN 58.116*	508186	230, 50	190	180	92	0.80	55/160	B2	7.0	320
240 V, 50 Hz														
18	TC-D/TC-T	G24d-2/GX24d-2	220	LN 18.418	164353	240, 50	85	75	34	0.28	60/130	B1	2.0	110
	TC-F/TC-L	2G10/2G11	370	LN 18.507	164566	240, 50	155	140	92	0.80	35/60	B1	4.5	120
				LN 18.162	533043	240, 50	150	140	60	0.55	60/110	B2	4.5	120
				L 18.936*	534627	240, 50	150	140	45	0.43	70/140	—	4.5	120
	T-U	2G13	370	LN 18.507	164566	240, 50	155	140	92	0.80	35/60	B1	4.5	120
				LN 18.162	533043	240, 50	150	140	60	0.55	60/110	B2	4.5	120
L 18.936*				534627	240, 50	150	140	45	0.43	70/140	—	4.5	120	
2x18	TC-F/TC-L	2G10/2G11	400	LN 2x18.135	535778	240, 50	150	140	45	0.43	65	B1	4.0	210
				LN 36.201	527196	240, 50	150	140	60	0.55	55/140	B1	4.0	210
				LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.0	210
21	TC-DD	GR10q	260	LN 21.293	547145	240, 50	105	95	45	0.41	55	B1	3.0	120
24	TC-F/TC-L	2G10/2G11	345	LN 18.507	164566	240, 50	155	140	92	0.80	35/60	B1	4.5	150
				LN 18.162	533043	240, 50	150	140	60	0.55	60/110	B2	4.5	150
				L 18.936*	534627	240, 50	150	140	45	0.43	70/140	—	4.5	150
26	TC-D/TC-T	G24d-3/GX24d-3	325	LN 18.162	533043	240, 50	150	140	60	0.55	60/110	B1	4.5	150
				LN 26.238	545405	240, 50	105	95	45	0.41	55/145	B2	3.5	140
28	TC-DD	GR8/GR10q	320	LN 18.162	533043	240, 50	150	140	60	0.55	60/110	B1	3.5	150
				L 18.936*	534627	240, 50	150	140	45	0.43	70/140	—	3.5	150
32	TR	G10q	450	LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.0	220
36	TC-F/TC-L	2G10/2G11	430	LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.5	210
				LN 36.201	527196	240, 50	155	140	60	0.55	55/140	B2	4.5	210
				L 36/40.443*	164438	240, 50	150	140	60	0.55	65/155	—	4.5	210
36/40	T-U/TR	2G13/G10q	430	LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.5	210
				LN 36.201	527196	240, 50	150	140	60	0.55	55/140	B2	4.5	210
				L 36/40.443*	164438	240, 50	150	140	60	0.55	65/155	—	4.5	210
38	TC-DD	GR10q	430	LN 36.201	527196	240, 50	150	140	60	0.55	55/140	B2	4.5	210
				L 36/40.443*	164438	240, 50	150	140	60	0.55	65/155	—	4.5	210
58	T-U	2G13	670	LN 58.506	164560	240, 50	233	220	160	1.31	35/85	B1	7.0	320
				LN 58.192	507936	240, 50	190	180	110	0.95	50/150	B2	7.0	320
				LN 58.722	534252	240, 50	190	180	92	0.80	60/180	B2	7.0	320

* Ballasts without CE marking for replacements or markets outside of the EU

Standard Ballasts 18–58 W, 230/240/220 V

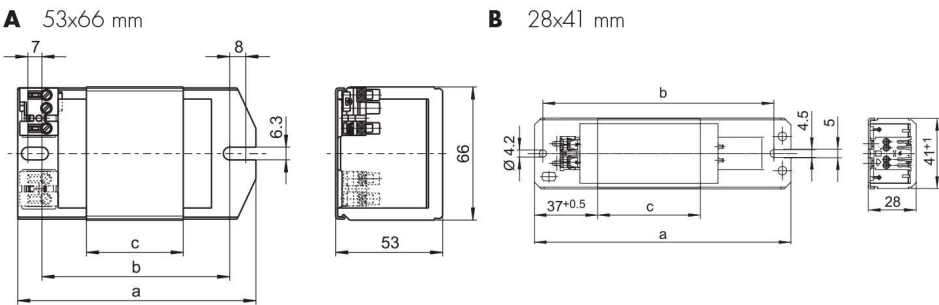
Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
220 V, 50 Hz														
18	TC-F/TC-L	2G10/2G11	370	L18.933	534624	220,50	150	140	45	0.43	70/160	—	4.5	120
	T-U	2G13	370	L18.933	534624	220,50	150	140	45	0.43	70/160	—	4.5	120
2x18	TC-F/TC-L	2G10/2G11	400	L36.158	530252	220,50	150	140	45	0.43	65	—	4.0	210
24	TC-F/TC-L	2G10/2G11	345	L18.933	534624	220,50	150	140	45	0.43	70/160	—	4.5	150
26	TC-D/TC-T	G24d-3/GX24d-3	325	L18.933	534624	220,50	150	140	45	0.43	70/160	—	3.5	140
28	TC-DD	GR8/GR10q	320	L18.933	534624	220,50	150	140	45	0.43	70/160	—	3.5	150
36	TC-F/TC-L	2G10/2G11	430	L36.158	530252	220,50	150	140	45	0.43	65	—	4.5	210
36/40	T-U/T-R	2G13/G10q	430	L36.158	530252	220,50	150	140	45	0.43	65	—	4.5	210
38	TC-DD	GR10q	430	L36.158	530252	220,50	150	140	45	0.43	65	—	4.5	210
58	T-U	2G13	670	L58.625	164828	220,50	190	180	92	0.80	55/155	—	7.0	320
220 V, 60 Hz														
18	TC-D/TC-T	G24d-2/GX24d-2	220	L18.602	164779	220,60	85	75	34	0.32	45/110	—	2.0	110
				L18.121	532149	220,60	110	100	45	0.42	65/145	—	4.0	150
				L18.121	528582	220,60	150	140	45	0.43	65/145	—	4.0	150
	T-U	2G13	370	L18.249	538801	220,60	150	140	34	0.32	75/140	—	4.0	150
				L18.121	532149	220,60	110	100	45	0.42	65/145	—	4.0	150
				L18.121	528582	220,60	150	140	45	0.43	65/145	—	4.0	150
2x18	TC-F/TC-L	2G10/2G11	400	L18.249	538801	220,60	150	140	34	0.32	75/140	—	4.0	150
				L18.121	532149	220,60	110	100	45	0.42	65/145	—	4.0	190
				L18.121	528582	220,60	150	140	45	0.43	65/145	—	4.0	190
24	TC-F/TC-L	2G10/2G11	345	L18.249	538801	220,60	150	140	34	0.32	75/140	—	4.0	190
				L18.121	532149	220,60	110	100	45	0.42	65/145	—	4.0	150
				L18.121	528582	220,60	150	140	45	0.43	65/145	—	4.0	150
26	TC-D/TC-T	G24d-3/GX24d-3	325	L18.121	532149	220,60	110	100	45	0.42	65/145	—	3.0	160
				L18.121	528582	220,60	150	140	45	0.43	65/145	—	3.0	160
				L18.249	538801	220,60	150	140	34	0.32	75/140	—	3.0	160
28	TC-DD	GR8/GR10q	320	L18.121	532149	220,60	110	100	45	0.42	65/145	—	3.0	155
				L18.249	538801	220,60	150	140	34	0.32	75/140	—	3.0	155
36	TC-F/TC-L	2G10/2G11	430	L36.120	509373	220,60	150	140	45	0.43	60/170	—	4.0	210
36/40	T-U/T-R	2G13/G10q	430	L36.120	509373	220,60	150	140	45	0.43	60/170	—	4.0	220
38	TC-DD	GR10q	430	L36.120	509373	220,60	150	140	45	0.43	60/170	—	4.0	220
58	T-U	2G13	670	L58.657	164870	220,60	195	180	92	0.80	55/140	—	6.0	320

Super Low-loss
Ballasts
18-65 W, 230 V

For fluorescent lamps
Shape: 28x41 mm / 53x66 mm

Vacuum-impregnated with polyester resin
Push-in terminal for leads: 0.5-1 mm²
tw 130
Protection class I

Energy efficiency: **A2**,
minimum EU energy efficiency
requirements as of 2017

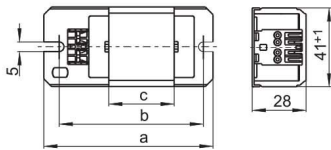


Lamp				Ballast										Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	Draw- ing	a	b	c	Weight	Δt/ΔI _{an}	Energy efficiency	C _p	Current
W			mA			V, Hz		mm	mm	mm	kg	K		μF	mA
230 V, 50 Hz															
2x8	T5 (T16)	G5	155	LNN 13.044	564190	230, 50	B	155	140	92	0.80	25/40	A2	2.0	80
13	T5 (T16)	G5	165	LNN 13.044	564190	230, 50	B	155	140	92	0.80	25/40	A2	2.0	80
2x15	T8 (T26)	G13	340	LNN 30.045	564191	230, 50	B	232.5	220	160	1.35	25/40	A2	4.0	185
18	T8 (T26)/T12 (T38)	G13	370	LNN 18I.046	564192	230, 50	B	232.5	220	160	1.35	15/30	A2	2.0	110
18/20	T8 (T26)/T12 (T38)	G13	370	LNN 18.645	560657	230, 50	A	130	105	64	1.80	10/20	A2	4.5	120
2x18/20	T8 (T26)/T12 (T38)	G13	400	LNN 36.646	560659	230, 50	A	108	90	36	1.10	25/70	A2	4.0	210
				LNN 2X18.043	564189	230, 50	B	150	135	60	0.55	40/160	A2	4.0	210
				LNN 36.648	560664	230, 50	B	232.5	220	160	1.35	25/40	A2	4.5	210
30	T8 (T26)	G13	365	LNN 30.045	564191	230, 50	B	232.5	220	160	1.35	25/40	A2	4.5	180
36/40	T8 (T26)/T12 (T38)	G13	430	LNN 36.646	560659	230, 50	A	108	90	36	1.10	25/70	A2	4.0	120
				LNN 36.648	560664	230, 50	B	232.5	220	160	1.35	25/40	A2	4.5	210
58/65	T8 (T26)/T12 (T38)	G13	670	LNN 58.647	560661	230, 50	A	108	90	36	1.10	30/110	A2	7.0	320
				LNN 58TD.649*	560665	230, 50	B	232.5	220	160	1.35	20/40	A2	7.0	320

* TD = halfchoke (two ballasts per lamp are necessary)

Standard Ballasts
4-13 W
230/240/220 V

For fluorescent lamps
Shape: 28x41 mm



Vacuum-impregnated with polyester resin
Push-in terminal for leads: 0.5-1 mm²
For the automatic luminaire wiring:
IDC terminals for leads HO5V-U 0.5
tw 130
Protection class I

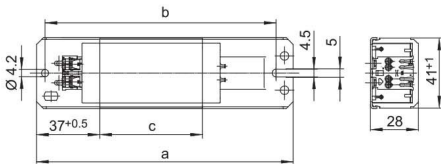
Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
230 V, 50 Hz														
4	T5 (T16)	G5	170	L 4/6/8.304*	163683	230, 50	85	75	34	0.32	55/85	B2	2.0	40
2x4	T5 (T16)	G5	155	L 4/6/8.304*	163683	230, 50	85	75	34	0.32	55/85	B1	2.0	50
6	T5 (T16)	G5	160	L 4/6/8.304*	163683	230, 50	85	75	34	0.32	55/85	B1	2.0	50
2x6	T5 (T16)	G5	175	LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B1	2.0	65
8	T5 (T16)	G5	145	L 4/6/8.304*	163683	230, 50	85	75	34	0.32	55/85	B1	2.0	60
2x8	T5 (T16)	G5	155	INN 13.044	564190	230, 50	155	140	92	0.80	25/40	A2	2.0	80
				LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B1	2.0	85
13	T5 (T16)	G5	165	INN 13.044	564190	230, 50	155	140	92	0.80	25/40	A2	2.0	80
				LN 13.313*	163711	230, 50	85	75	34	0.32	55/80	B1	2.0	80
240 V, 50 Hz														
4	T5 (T16)	G5	170	L 4/6/8.404	164326	240, 50	85	75	34	0.32	55/80	B2	2.0	40
2x4	T5 (T16)	G5	155	L 4/6/8.404	164326	240, 50	85	75	34	0.32	55/80	B1	2.0	50
6	T5 (T16)	G5	160	L 4/6/8.404	164326	240, 50	85	75	34	0.32	55/80	B1	2.0	50
2x6	T5 (T16)	G5	175	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B1	2.0	65
8	T5 (T16)	G5	145	L 4/6/8.404	164326	240, 50	85	75	34	0.32	55/80	B1	2.0	60
2x8	T5 (T16)	G5	155	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B1	2.0	85
13	T5 (T16)	G5	165	LN 13.413	164342	240, 50	85	75	34	0.32	60/90	B1	2.0	80
220 V, 60 Hz														
4	T5 (T16)	G5	170	L 4/6/8.218	532644	220, 60	85	75	34	0.32	60/80	—	2.0	40
2x4	T5 (T16)	G5	155	L 4/6/8.218	532644	220, 60	85	75	34	0.32	60/80	—	2.0	50
6	T5 (T16)	G5	160	L 4/6/8.218	532644	220, 60	85	75	34	0.32	60/80	—	2.0	50
2x6	T5 (T16)	G5	175	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	65
8	T5 (T16)	G5	145	L 4/6/8.218	532644	220, 60	85	75	34	0.32	60/80	—	2.0	60
2x8	T5 (T16)	G5	155	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	85
13	T5 (T16)	G5	165	L 13.210	520992	220, 60	85	75	34	0.32	45/80	—	2.0	80

* Ballasts without CE marking for replacements or markets outside of the EU

Standard Ballasts
14-65 W, 230 V

For fluorescent lamps
Shape: 28x41 mm

Vacuum-impregnated with polyester resin
Push-in terminal for leads: 0,5-1 mm²
For the automatic luminaire wiring:
IDC terminals for leads H05V-U 0.5
tw 130
Protection class I



Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
230 V, 50 Hz														
14	T8 (T26)	G13	395	LN 18.510*	164572	230, 50	155	140	92	0.80	40/65	B2	4.5	150
15	T8 (T26)	G13	310	LN 15.329*	163861	230, 50	150	140	60	0.55	50/80	B2	3.5	120
2x15	T8 (T26)	G13	340	INN 30.045	564191	230, 50	232.5	220	160	1.35	25/40	A2	4.0	185
				LN 30.801*	169645	230, 50	150	140	60	0.55	55/110	B2	4.0	185
				L 30.347*	164033	230, 50	150	140	60	0.55	60/150	—	4.0	185
16	T8 (T26)	G13	200	LN 16.316*	163730	230, 50	85	75	34	0.32	60/125	B1	2.0	90
18/20	T8 (T26)/T12 (T38)	G13	370	LN 18.510*	164572	230, 50	155	140	92	0.80	40/65	B1	4.5	120
				LN 18.131*	530941	230, 50	150	140	60	0.55	55/95	B2	4.5	120
				L 18.934*	534621	230, 50	150	140	45	0.43	70/150	—	4.5	120
2x18/20	T8 (T26)/T12 (T38)	G13	400	INN 2X18.043	564189	230, 50	150	135	60	0.55	40/160	A2	4.0	210
				LN 2x18.135*	532155	230, 50	150	140	45	0.43	65	B1	4.0	210
25	T12 (T38)	G13	290	L 25.346*	164013	230, 50	150	140	60	0.55	45/80	B1	3.5	130
30	T8 (T26)	G13	365	INN 30.045	564191	230, 50	232.5	220	160	1.35	25/40	A2	4.5	180
				LN 30.801*	169645	230, 50	150	140	60	0.55	55/110	B2	4.5	180
36-1	T8 (T26)	G13	556	L 36.342*	538072	230, 50	195	180	110	0.87	50/120	B2	6.5	250
36/40	T8 (T26)/T12 (T38)	G13	430	LN 36.570*	169779	230, 50	155	140	92	0.80	35/90	B1	4.5	210
				LN 36.511*	164590	230, 50	155	140	92	0.80	35/95	B1	4.5	210
				LN 36.130*	527191	230, 50	150	140	60	0.55	50/140	B2	4.5	210
				LN 36.149*	529029	230, 50	150	140	60	0.55	55/150	B2	4.5	210
				L 36.132*	535977	230, 50	150	140	45	0.43	65	—	4.5	210
38	T8 (T26)	G13	430	LN 36.570*	169779	230, 50	155	140	92	0.80	35/90	B1	4.5	210
				LN 36.511*	164590	230, 50	155	140	92	0.80	35/95	B1	4.5	210
				LN 36.149*	529029	230, 50	150	140	60	0.55	55/150	B2	4.5	210
				L 36.132*	535977	230, 50	150	140	45	0.43	65	—	4.5	210
58/65	T8 (T26)/T12 (T38)	G13	670	LN 58.568*	169389	230, 50	233	220	160	1.31	35/95	B1	7.0	320
				LN 58.990*	509349	230, 50	190	180	110	0.95	50/130	B2	7.0	320
				LN 58.116*	508186	230, 50	190	180	92	0.80	55/160	B2	7.0	320
				L 58.718*	169658	230, 50	190	180	92	0.80	60/170	—	7.0	320

* Ballasts without CE marking for replacements or markets outside of the EU

Standard Ballasts
15-75 W, 240/220 V

For fluorescent lamps
Shape: 28x41 mm

Lamp				Ballast									Capacitor	
Output	Type	Base	Current	Type	Ref. No.	Voltage	a	b	c	Weight	Δt/Δtan.	Energy efficiency	Cp	Current
W			mA			V, Hz	mm	mm	mm	kg	K		μF	mA
240 V, 50 Hz														
2x15	T8 (T26)	G13	340	LN 30.806	533067	240, 50	150	140	60	0.55	55/130	B2	4.0	185
16	T8 (T26)	G13	200	LN 16.417	164358	240, 50	85	75	34	0.32	60/130	B1	2.0	90
18/20	T8 (T26)/T12 (T38)	G13	370	LN 18.507	164566	240, 50	155	140	92	0.80	35/60	B1	4.5	120
				LN 18.162	533043	240, 50	150	140	60	0.55	60/110	B2	4.5	120
				L 18.936*	534627	240, 50	150	140	45	0.43	70/140	—	4.5	120
2x18/20	T8 (T26)/T12 (T38)	G13	400	LN 2x18.135	535778	240, 50	150	140	45	0.43	65	B1	4.0	210
				LN 36.201	527196	240, 50	150	140	60	0.55	55/140	B1	4.0	210
				LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.0	210
30	T8 (T26)	G13	365	LN 30.806	533067	240, 50	150	140	60	0.55	55/130	B2	4.5	180
36/40	T8 (T26)/T12 (T38)	G13	430	LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.5	210
				LN 36.201	527196	240, 50	150	140	60	0.55	55/140	B2	4.5	210
				L 36/40.443*	164438	240, 50	150	140	60	0.55	65/155	—	4.5	210
38	T8 (T26)	G13	430	LN 36.505	164555	240, 50	155	140	92	0.80	40/95	B1	4.5	210
				LN 36.201	527196	240, 50	150	140	60	0.55	55/140	B2	4.5	210
				L 36/40.443*	164438	240, 50	150	140	60	0.55	65/155	—	4.5	210
58/65	T8 (T26)/T12 (T38)	G13	670	LN 58.506	164560	240, 50	233	220	160	1.31	35/85	B1	7.0	320
				LN 58.192	507936	240, 50	190	180	110	0.95	50/150	B2	7.0	320
				LN 58.722	534252	240, 50	190	180	92	0.80	60/180	B2	7.0	320
70/75	T8 (T26)/T12 (T38)	G13	670	LN 75.170	533650	240, 50	190	180	110	0.95	50/150	B2	6.0	320
220 V, 50 Hz														
18/20	T8 (T26)/T12 (T38)	G13	370	L 18.933	534624	220, 50	150	140	45	0.43	70/160	—	4.5	120
2x18/20	T8 (T26)/T12 (T38)	G13	430	L 36.158	530252	220, 50	150	140	45	0.43	65	—	4.0	210
36/40	T8 (T26)/T12 (T38)	G13	430	L 36.158	530252	220, 50	150	140	45	0.43	65	—	4.5	210
38	T8 (T26)	G13	430	L 36.158	530252	220, 50	150	140	45	0.43	65	—	4.5	210
58/65	T8 (T26)/T12 (T38)	G13	670	L 58.625	164828	220, 50	190	180	92	0.80	55/155	—	7.0	320
220 V, 60 Hz														
15	T8 (T26)	G13	310	L 15.007	537744	220, 60	150	140	45	0.43	55/80	—	3.0	120
2x15	T8 (T26)	G13	350	L 30.006	537750	220, 60	150	140	45	0.43	60/120	—	4.0	185
18/20	T8 (T26)/T12 (T38)	G13	370	L 18.121	532149	220, 60	110	100	45	0.42	65/145	—	4.0	190
				L 18.121	528582	220, 60	150	140	45	0.43	65/145	—	4.0	190
				L 18.149	538801	220, 60	150	140	34	0.32	75/140	—	4.0	190
2x18/20	T8 (T26)/T12 (T38)	G13	430	L 36.120	509373	220, 60	150	140	45	0.43	60/170	—	4.0	220
30	T8 (T26)	G13	365	L 30.006	537750	220, 60	150	140	45	0.43	60/120	—	4.0	180
36/40	T8 (T26)/T12 (T38)	G13	430	L 36.120	509373	220, 60	150	140	45	0.43	60/170	—	4.0	220
38	T8 (T26)	G13	430	L 36.120	509373	220, 60	150	140	45	0.43	60/170	—	4.0	230
58/65	T8 (T26)/T12 (T38)	G13	670	L 58.657	164870	220, 60	195	180	92	0.80	55/140	—	6.0	320

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