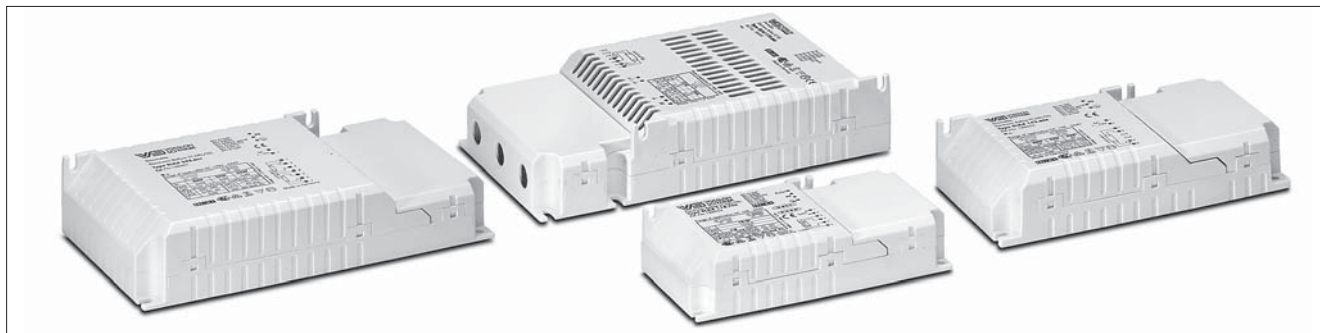
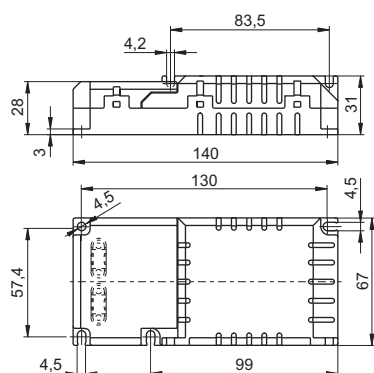


ELXd – Dimmable for TC-DEL, TC-TEL Lamps

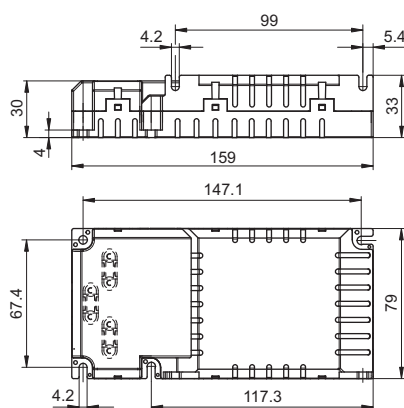


Independent electronic ballasts

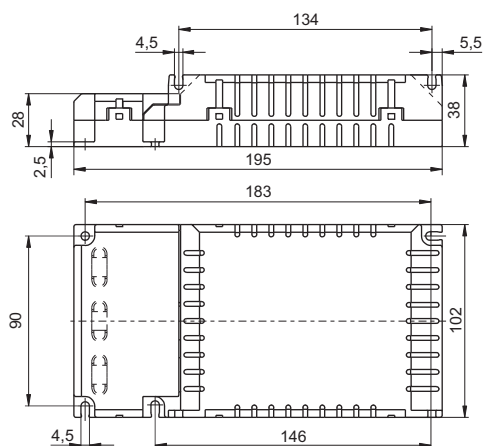
K2 with cord grip



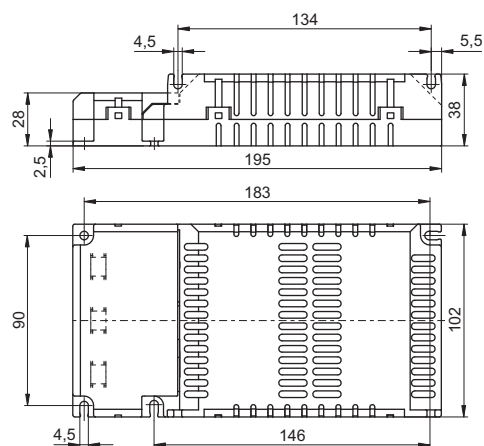
K3 with cord grip



K4 with cord grip



K4+ with cord grip and venting slits



Electronic Ballasts for TC and T Lamps

ELXd – Dimmable 1–10 V for TC-DEL, TC-TEL lamps

Electronic built-in ballasts

Casing: K3, K4 and K4+ with venting slits

Control voltage: DC 1–10 V acc. to

EN 60929 with earth leakage current 0.5 mA

(protected if connected to mains voltage)

For use with open- or closed-loop control units

Power factor: 0.98 at 100% operation

DC voltage

for operation: 176–264 V

for ignition: 198–264 V

☐ T5 ☒ TC ☒ BUILT-IN ☒ 1–10 V
☐ T8 ☐ INDEPENDENT ☐ DALI/PUSH

Lamp				Electronic ballast							System	
Output W	Type	Base	Power consumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V±10%	Energy efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Casing	Output W	Luminous factor %
18	TC-DEL/-TEL	G24q-2/GX24q-2	1 x 16.5	ELXd 118.802	188564	220–240	A1 BAT	5 to 55	max. 70	K3	21.0	100.0
2x18	TC-DEL/-TEL	G24q-2/GX24q-2	2 x 16.5	ELXd 218.803	188549	220–240	A1 BAT	5 to 55	max. 70	K4	38.0	100.0
26	TC-DEL/-TEL	G24q-3/GX24q-3	1 x 24.0	ELXd 142.806	188565	220–240	A1 BAT	10 to 50	max. 70	K3	27.0	100.0
2x26	TC-DEL/-TEL	G24q-3/GX24q-3	2 x 24.0	ELXd 242.807	188550	220–240	A1 BAT	10 to 50	max. 70	K4	53.0	100.0
				ELXd 226.801	188431	220–240	A1 BAT	10 to 50	max. 70	K3	54.0	100.0
32	TC-TEL	GX24q-3	1 x 32.0	ELXd 142.806	188565	220–240	A1 BAT	10 to 50	max. 70	K3	36.0	100.0
2x32	TC-TEL	GX24q-3	2 x 32.0	ELXd 242.807	188550	220–240	A1 BAT	10 to 50	max. 70	K4	71.0	100.0
42	TC-TEL	GX24q-4	1 x 43.0	ELXd 142.806	188565	220–240	A1 BAT	10 to 50	max. 70	K3	46.0	100.0
2x42	TC-TEL	GX24q-4	2 x 43.0	ELXd 242.807	188550	220–240	A1 BAT	10 to 50	max. 70	K4	92.0	100.0
57	TC-TEL	GX24q-5	1 x 57.0	ELXd 170.808	188276	220–240	A1 BAT	10 to 55	max. 60	K4+	62.0	100.0
70	TC-TEL	GX24q-6	1 x 70.0	ELXd 170.808	188276	220–240	A1 BAT	10 to 55	max. 60	K4+	77.0	100.0

Circuit diagrams see pages 255–259

ELXd – Dimmable 1–10 V for TC-DEL, TC-TEL lamps

Independent electronic ballasts

Casing with cord grip: K3, K4 and

K4+ with venting slits

Control voltage: DC 1–10 V acc. to

EN 60929 with earth leakage current 0.5 mA

(protected if connected to mains voltage)

For use with open- or closed-loop control units

Power factor: 0.98 at 100% operation

DC voltage

for operation: 176–264 V

for ignition: 198–264 V

☐ T5 ☒ TC ☐ BUILT-IN ☒ 1–10 V
☐ T8 ☒ INDEPENDENT ☐ DALI/PUSH

Lamp				Electronic ballast							System	
Output W	Type	Base	Power consumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V±10%	Energy efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Casing	Output W	Luminous factor %
18	TC-DEL/-TEL	G24q-2/GX24q-2	1 x 16.5	ELXd 118.802	188694	220–240	A1 BAT	5 to 55	max. 70	K3	21.0	100.0
2x18	TC-DEL/-TEL	G24q-2/GX24q-2	2 x 16.5	ELXd 218.803	188696	220–240	A1 BAT	5 to 55	max. 70	K4	38.0	100.0
26	TC-DEL/-TEL	G24q-3/GX24q-3	1 x 24.0	ELXd 142.806	188695	220–240	A1 BAT	10 to 50	max. 70	K3	27.0	100.0
2x26	TC-DEL/-TEL	G24q-3/GX24q-3	2 x 24.0	ELXd 242.807	188697	220–240	A1 BAT	10 to 50	max. 70	K4	53.0	100.0
				ELXd 226.801	188490	220–240	A1 BAT	10 to 50	max. 70	K3	54.0	100.0
32	TC-TEL	GX24q-3	1 x 32.0	ELXd 142.806	188695	220–240	A1 BAT	10 to 50	max. 70	K3	36.0	100.0
2x32	TC-TEL	GX24q-3	2 x 32.0	ELXd 242.807	188697	220–240	A1 BAT	10 to 50	max. 70	K4	71.0	100.0
42	TC-TEL	GX24q-4	1 x 43.0	ELXd 142.806	188695	220–240	A1 BAT	10 to 50	max. 70	K3	46.0	100.0
2x42	TC-TEL	GX24q-4	2 x 43.0	ELXd 242.807	188697	220–240	A1 BAT	10 to 50	max. 70	K4	92.0	100.0
57	TC-TEL	GX24q-5	1 x 57.0	ELXd 170.808	188495	220–240	A1 BAT	10 to 55	max. 60	K4+	62.0	100.0
70	TC-TEL	GX24q-6	1 x 70.0	ELXd 170.808	188495	220–240	A1 BAT	10 to 55	max. 60	K4+	77.0	100.0

Circuit diagrams see pages 255–259

Electronic Ballasts for TC and T Lamps

ELXd – Dimmable with push key or DALI for TC-DEL, TC-TEL lamps

Electronic ballasts

PUSH: dimmable with usual push key and sensor

DALI: poles are not polarity sensitive (protected if connected to mains voltage) for use with DALI compatible control units

Automatic restart after lamp has been changed

Power factor: > 0.95 at 100% operation

DC voltage

for operation: 176–264 V

for ignition: 198–264 V

Standby power consumption: ≤ 0.5 W

Complete implementation of the DALI-standard:

addressable, memory store for scenes and groups, reverte information communication, physical and

RND-selection, standardized lamp characteristic

Low-power design ensures very low standby

power consumption

Compatible with IEC 62386

Electronic built-in ballasts

☐ T5 ☒ TC ☒ BUILT-IN ☐ 1–10 V
☐ T8 ☐ INDEPENDENT ☒ DALI/PUSH

Lamp				Electronic ballast							System	
Output W	Type	Base	Power consumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V±10%	Energy efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Casing	Output W	Luminous factor %
14	TC-TEL	GR14q-1	1 x 16.7	ELXd 117.715	188864	220–240	A1 BAT	10 to 50	max. 65	K2	18.0	103.8
2x14	TC-TEL	GR14q-1	2 x 14.0	ELXd 217.717	188866	220–240	A1 BAT	10 to 60	max. 70	K3	33.8	95.9
17	TC-TEL	GR14q-1	1 x 20.0	ELXd 117.715	188864	220–240	A1 BAT	10 to 50	max. 65	K2	22.0	105.3
2x17	TC-TEL	GR14q-1	2 x 17.0	ELXd 217.717	188866	220–240	A1 BAT	10 to 60	max. 70	K3	40.7	95.2
18	TC-DEL/-TEL	G24q-2/GX24q-2	1 x 16.5	ELXd 118.705	188952	220–240	A1 BAT	10 to 50	max. 65	K2	20.2	105.5
2x18	TC-DEL/-TEL	G24q-2/GX24q-2	2 x 18.0	ELXd 218.707	188954	220–240	A1 BAT	10 to 50	max. 70	K3	40.0	100.1
26	TC-DEL/-TEL	G24q-3/GX24q-3	1 x 25.0	ELXd 142.709	188923	220–240	A1 BAT	10 to 50	max. 65	K2	27.5	106.8
2x26	TC-DEL/-TEL	G24q-3/GX24q-3	2 x 24.0	ELXd 242.711	188974	220–240	A1 BAT	10 to 50	max. 70	K3	56.0	97.9
32	TC-TEL	GX24q-3	1 x 32.0	ELXd 142.709	188923	220–240	A1 BAT	10 to 50	max. 65	K2	34.5	106.3
2x32	TC-TEL	GX24q-3	2 x 32.0	ELXd 242.711	188974	220–240	A1 BAT	10 to 50	max. 70	K3	69.0	97.6
42	TC-TEL	GX24q-4	1 x 42.0	ELXd 142.709	188923	220–240	A1 BAT	10 to 50	max. 65	K2	45.0	103.8
2x42	TC-TEL	GX24q-4	2 x 42.0	ELXd 242.711	188974	220–240	A1 BAT	10 to 50	max. 70	K3	90.0	99.1

Circuit diagrams see pages 255–259

Independent electronic ballasts

☐ T5 ☒ TC ☐ BUILT-IN ☐ 1–10 V
☐ T8 ☒ INDEPENDENT ☒ DALI/PUSH

Lamp				Electronic ballast							System	
Output W	Type	Base	Power consumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V±10%	Energy efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Casing	Output W	Luminous factor %
14	TC-TEL	GR14q-1	1 x 16.7	ELXd 117.715	188865	220–240	A1 BAT	10 to 50	max. 65	K2	18.0	103.8
2x14	TC-TEL	GR14q-1	2 x 14.0	ELXd 217.717	188867	220–240	A1 BAT	10 to 60	max. 70	K3	33.8	95.9
17	TC-TEL	GR14q-1	1 x 20.0	ELXd 117.715	188865	220–240	A1 BAT	10 to 50	max. 65	K2	22.0	105.3
2x17	TC-TEL	GR14q-1	2 x 17.0	ELXd 217.717	188867	220–240	A1 BAT	10 to 60	max. 70	K3	40.7	95.2
18	TC-DEL/-TEL	G24q-2/GX24q-2	1 x 16.5	ELXd 118.705	188953	220–240	A1 BAT	10 to 50	max. 65	K2	20.2	105.5
2x18	TC-DEL/-TEL	G24q-2/GX24q-2	2 x 18.0	ELXd 218.707	188955	220–240	A1 BAT	10 to 60	max. 70	K3	40.0	100.1
26	TC-DEL/-TEL	G24q-3/GX24q-3	1 x 25.0	ELXd 142.709	188924	220–240	A1 BAT	10 to 50	max. 65	K2	27.5	106.3
2x26	TC-DEL/-TEL	G24q-3/GX24q-3	2 x 24.0	ELXd 242.711	188975	220–240	A1 BAT	10 to 50	max. 70	K3	56.0	97.9
32	TC-TEL	GX24q-3	1 x 32.0	ELXd 142.709	188924	220–240	A1 BAT	10 to 50	max. 65	K2	34.8	106.3
2x32	TC-TEL	GX24q-3	2 x 32.0	ELXd 242.711	188975	220–240	A1 BAT	10 to 50	max. 70	K3	69.0	97.6
42	TC-TEL	GX24q-4	1 x 42.0	ELXd 142.709	188924	220–240	A1 BAT	10 to 50	max. 65	K2	45.0	103.8
2x42	TC-TEL	GX24q-4	2 x 42.0	ELXd 242.711	188975	220–240	A1 BAT	10 to 50	max. 70	K3	90.0	99.1

Circuit diagrams see pages 255–259