

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, revertive 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 %
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 220–223

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 %
18	TC-DEL/-TEL	G24q-2/GX24q-2	1 x 16.5	ELXd 118.705	188953	220–240	A1BAT	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	A1BAT	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	A1BAT	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	A1BAT	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	A1BAT	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	A1BAT	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	A1BAT	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	A1BAT	10 to 50	max. 70	K3	90.0	99.1

Circuit diagrams see pages 220–223