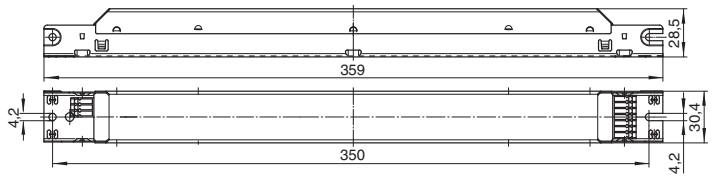
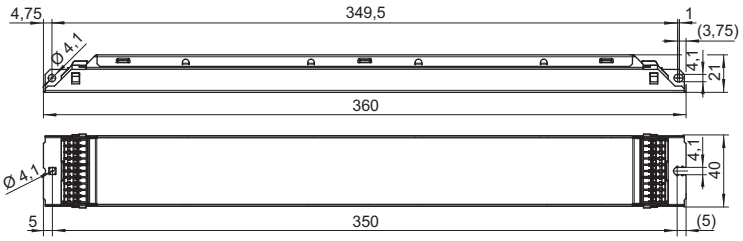
ELXd – Dimmable for TC-F, TC-L Lamps

Electronic built-in ballasts
Casing: metal
Dimming range:
approx. 1–100% of lamp power
Power factor: ≥ 0.95 at 100% operation
DC voltage
for operation: 154–276 V (M22, M23, M24)
for operation: 176–264 V (M9)
for ignition: 198–264 V
Push-in terminals: 0.5–1 mm²
For the automatic luminaire wiring:
IDC terminals for leads H05V-U 0.5
RFI-suppressed
For luminaires of protection class I
Degree of protection: IP20
Fixing holes for screws M4
for lateral or base mounting
For lighting systems with
high switching frequency (> 5/day)
EOL shut down approved acc. to EN 61347 Test 2

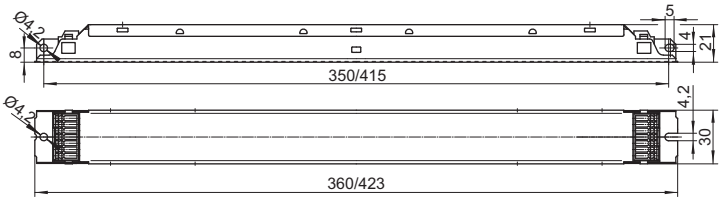
M9



M23



M22/M24



ELXd – Dimmable 1–10 V for TC-F, TC-L lamps

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

○ 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%	Energie efficiency	Ambient temperature t_a (°C)	Casing temperature t_c (°C)	Casing	Output W	Luminous factor %
18	TC-F/-L	2G10/2G11	1 x 16.0	ELXd 118.718	**188873**	220 - 240	EEI=A1	10 to 50	max. 70	M9	18.0	94.0
2x18	TC-F/-L	2G10/2G11	2 x 16.0	ELXd 218.719	**188874**	220 - 240	EEI=A1	10 to 50	max. 70	M9	36.0	90.6
24	TC-F/-L	2G10/2G11	1 x 22.0	ELXd 118.718	**188873**	220 - 240	EEI=A1	10 to 50	max. 70	M9	27.0	96.6
			1 x 23.0	ELXd 124.607	**188336**	220 - 240	A1 BAT	10 to 50	max. 75	M22	26.0	100.0
2x24	TC-F/-L	2G10/2G11	2 x 22.0	ELXd 218.719	**188874**	220 - 240	EEI=A1	10 to 50	max. 70	M9	52.0	100.8
			2 x 23.0	ELXd 224.608	**188337**	220 - 240	A1 BAT	10 to 50	max. 75	M24	49.0	100.0
3x24	TC-F/-L	2G10/2G11	3 x 24.0	ELXd 324.623	**188597**	220 - 240	A1 BAT	10 to 50	max. 75	M23	73.4	100.0
4x24	TC-F/-L	2G10/2G11	4 x 24.0	ELXd 424.624	**188598**	220 - 240	A1 BAT	10 to 50	max. 75	M23	97.6	100.0
36	TC-F/-L	2G10/2G11	1 x 32.0	ELXd 136.720	**188875**	220 - 240	A1 BAT	10 to 50	max. 70	M9	37.3	93.5
2x36	TC-F/-L	2G10/2G11	2 x 32.0	ELXd 236.721	**188876**	220 - 240	EEI=A1	10 to 50	max. 70	M9	72.0	92.6
40	TC-L	2G11	1 x 38.0	ELXd 139.609	**188338**	220 - 240	A1 BAT	10 to 50	max. 75	M22	42.0	100.0
2x40	TC-L	2G11	2 x 38.0	ELXd 239.610	**188339**	220 - 240	A1 BAT	10 to 50	max. 75	M24	82.0	100.0
55	TC-L	2G11	1 x 51.0	ELXd 158.722	**188877**	220 - 240	EEI=A1	10 to 50	max. 70	M9	56.0	92.5
			1 x 54.0	ELXd 154.611	**188340**	220 - 240	A1 BAT	10 to 50	max. 75	M22	59.0	100.0
2x55	TC-L	2G11	2 x 54.0	ELXd 254.612	**188341**	220 - 240	A1 BAT	10 to 50	max. 75	M24	115.0	100.0
80	TC-L	2G11	1 x 80.0	ELXd 180.613	**188342**	220 - 240	A1 BAT	10 to 50	max. 75	M22	88.0	100.0

Circuit diagrams see pages 255–259

ELXd – Dimmable with push key or DALI for TC-F, TC-L lamps

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
standby power consumption: ≤ 0.2 W

○ 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%	Energie efficiency	Ambient temperature t_a (°C)	Casing temperature t_c (°C)	Casing	Output W	Luminous factor %
18	TC-F/-L	2G10/2G11	1 x 16.0	ELXd 118.615	**188344**	220-240	A1 BAT	10 to 50	max. 75	M22	19.0	100.0
2x18	TC-F/-L	2G10/2G11	2 x 16.0	ELXd 218.616	**188345**	220-240	A1 BAT	10 to 50	max. 75	M24	37.0	100.0
24	TC-F/-L	2G10/2G11	1 x 23.0	ELXd 124.600	**188329**	220-240	A1 BAT	10 to 50	max. 75	M22	26.0	100.0
2x24	TC-F/-L	2G10/2G11	2 x 23.0	ELXd 224.601	**188330**	220-240	A1 BAT	10 to 50	max. 75	M24	49.0	100.0
3x24	TC-F/-L	2G10/2G11	3 x 23.0	ELXd 324.626	**188600**	220-240	A1 BAT	10 to 50	max. 75	M23	73.4	100.0
4x24	TC-F/-L	2G10/2G11	4 x 23.0	ELXd 424.628	**188602**	220-240	A1 BAT	10 to 50	max. 75	M23	97.6	100.0
36	TC-F/-L	2G10/2G11	1 x 32.0	ELXd 136.617	**188346**	220-240	A1 BAT	10 to 50	max. 75	M22	36.0	100.0
2x36	TC-F/-L	2G10/2G11	2 x 32.0	ELXd 236.618	**188347**	220-240	A1 BAT	10 to 50	max. 75	M24	69.0	100.0
40	TC-L	2G11	1 x 38.0	ELXd 139.602	**188331**	220-240	A1 BAT	10 to 50	max. 75	M22	42.0	100.0
2x40	TC-L	2G11	2 x 38.0	ELXd 239.621	**188350**	220-240	A1 BAT	10 to 50	max. 75	M24	82.0	100.0
55	TC-L	2G11	1 x 54.0	ELXd 154.603	**188332**	220-240	A1 BAT	10 to 50	max. 75	M22	59.0	100.0
2x55	TC-L	2G11	2 x 54.0	ELXd 254.604	**188333**	220-240	A1 BAT	10 to 50	max. 75	M24	115.0	100.0
80	TC-L	2G11	1 x 80.0	ELXd 180.605	**188334**	220-240	A1 BAT	10 to 50	max. 75	M22	88.0	100.0

Circuit diagrams see pages 255–259