

ELXc – Warm Start for TC-F, TC-L Lamps

Electronic built-in ballasts

Casing: metal

Power factor: > 0.96

DC voltage

for operation: 176–264 V

for ignition: 198–264 V

(ELXc 180.866, 280.538: DC voltage cannot be reduced to 176 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

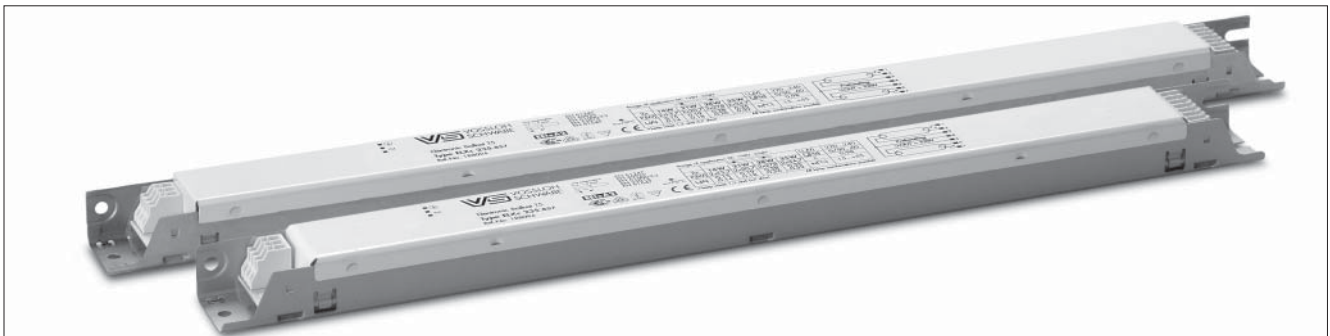
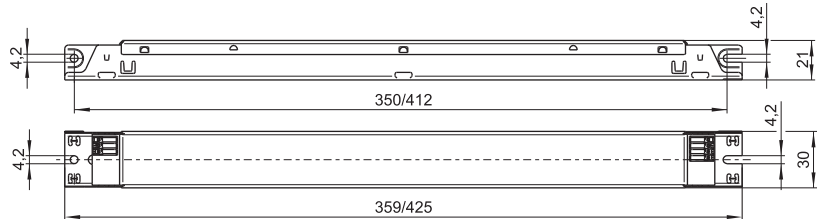
Degree of protection: IP20

For lighting systems with

high switching frequency (> 5/day)

EOL shut down approved acc. to EN 61347 Test 2

M10/M11

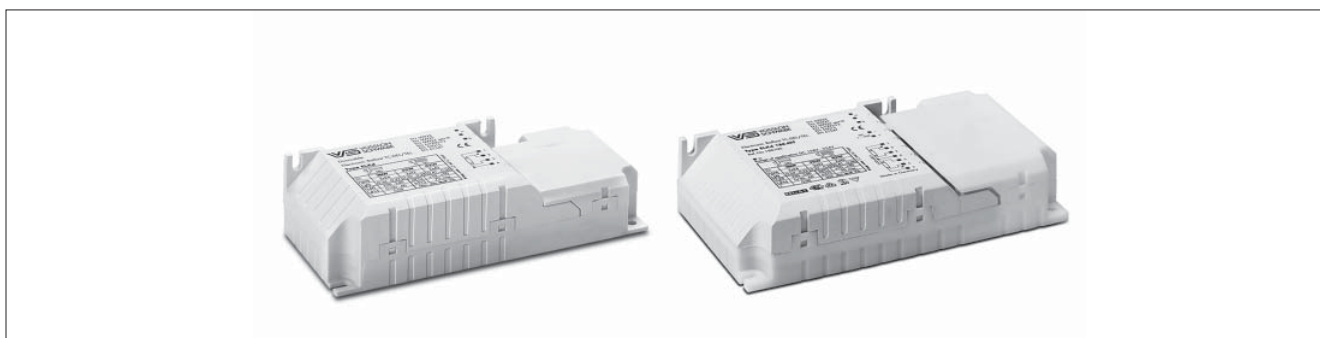


- T5 TC BUILT-IN 1-10 V
 T8 INDEPENDENT DALI/PUSH

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	TCF/L	2G10/2G11	1 x 16.0	ELXc 140.862	188140	220–240	A2	-15 to 55	max. 70	M10	19.0	109.0
2x18	TCF/L	2G10/2G11	2 x 16.0	ELXc 240.863	188616	220–240	A2 BAT	-15 to 55	max. 70	M10	35.0	105.3
24	TCF/L	2G10/2G11	1 x 22.0	ELXc 140.862	188140	220–240	A2	-15 to 55	max. 70	M10	27.0	109.0
2x24	TCF/L	2G10/2G11	2 x 22.0	ELXc 240.863	188616	220–240	A2 BAT	-15 to 55	max. 70	M10	51.0	106.8
36	TCF/L	2G10/2G11	1 x 32.0	ELXc 140.862	188140	220–240	A2	-15 to 55	max. 70	M10	35.0	101.0
2x36	TCF/L	2G10/2G11	2 x 32.0	ELXc 240.863	188616	220–240	A2 BAT	-15 to 55	max. 70	M10	71.0	98.7
40	TC-L	2G11	1 x 40.0	ELXc 140.862	188140	220–240	A2	-15 to 55	max. 70	M10	46.0	104.0
2x40	TC-L	2G11	2 x 40.0	ELXc 240.863	188616	220–240	A2 BAT	-15 to 55	max. 70	M10	89.0	103.6
55	TC-L	2G11	1 x 55.0	ELXc 180.866	188144	220–240	A2 BAT	-15 to 55	max. 70	M10	62.0	107.3
2x55	TC-L	2G11	2 x 50.0	ELXc 254.865	188618	220–240	A2 BAT	-15 to 50	max. 70	M10	112.0	92.9
			2 x 55.0	ELXc 280.538	188619	220–240	A2 BAT	-15 to 50	max. 70	M11	120.0	100.0
80	TC-L	2G11	1 x 80.0	ELXc 180.866	188144	220–240	A2 BAT	-15 to 55	max. 70	M10	87.0	97.6
2x80	TC-L	2G11	2 x 80.0	ELXc 280.538	188619	220–240	A2 BAT	-15 to 50	max. 70	M11	175.0	100.0

Circuit diagrams see pages 220–223

Electronic Ballasts for TC and T Lamps



ELXc – Compact warm start for compact fluorescent lamps – Independent ballasts

ELXc 213.870, 218.871, 142.872,
155.378 have a second earth terminal
to ground the luminaires for example

- 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 %
28	TC-DD	GR10q	1 x 26.0	ELXc 128.869	188590	220-240	A2 BAT	-20 to 50	max. 70	K2	32.0	98.1
32	TC-TEL	GX24q-3	1 x 32.0	ELXc 142.872	188714	220-240	A2 BAT	-20 to 50	max. 65	K2	33.0	102.0
36	TC-F/-L	2G10/2G11	1 x 32.0	ELXc 142.872	188714	220-240	A2 BAT	-20 to 50	max. 65	K2	34.0	105.0
38	TC-DD	GR10q	1 x 36.0	ELXc 142.872	188714	220-240	A2 BAT	-20 to 50	max. 65	K2	38.0	95.0
40	TC-L	2G11	1 x 40.0	ELXc 142.872	188714	220-240	A2 BAT	-20 to 50	max. 65	K2	43.0	99.0
	T-R5	2GX13	1 x 40.0	ELXc 142.872	188714	220-240	A2 BAT	-20 to 50	max. 65	K2	41.0	96.0
42	TC-TEL	GX24q-4	1 x 42.0	ELXc 142.872	188714	220-240	A2 BAT	-20 to 50	max. 65	K2	45.0	99.0
55	TC-L	2G11	1 x 55.6	ELXc 155.378	188681	220-240	A2 BAT	-20 to 50	max. 70	K3	60.0	102.4
	T-R5	2GX13	1 x 55.6	ELXc 155.378	188681	220-240	A2 BAT	-20 to 50	max. 70	K3	60.0	101.2
60	T-R5	2GX13	1 x 60.6	ELXc 155.378	188681	220-240	A2	-20 to 50	max. 70	K3	66.0	109.5
80	TC-L	2G11	1 x 80.5	ELXc 155.378	188681	220-240	A2 BAT	-20 to 50	max. 70	K3	88.0	101.3

Circuit diagrams see pages 220-223