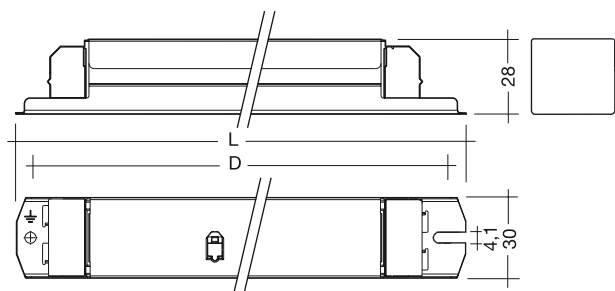


PCA TCL ECO 18–80 W 220–240 V 50/60/0 Hz



- dimming range from 3-100 %
- lamp start at 3 %
- defined lamp warm start within 0.6 s with AC and DC (at 55 W, 80 W, 2x18 W and 2x55 W in 1.5 s with AC)
- switch via the mains or with digital control signal
- dimming which is comfortable to the eye
- disturbance free precise control with a digital DSI signal or switchDIM
- integrated SMART interface
- fully electronic lamp management and digital communication with ASIC and μC

- constant light output independent of fluctuating supply voltage
- DC operation in emergency lighting installations to EN 50172
- automatically triggered 70 % emergency light value for DC and rectified AC voltage (please refer to data sheet)
- safe shutdown of defective lamps
- safe shutdown of lamps at end of life (rectifying effect)
- automatic restart after lamp replacement
- operating frequency ~40-100 kHz

Packaging:
box of 10
58 boxes/pallet
580 pieces/pallet

Wiring:
page 96 figure J
page 97 figure K, L
page 99 figure S

Approvals:
EN 55015
EN 55022
EN 60929
EN 61000-3-2
EN 61347-2-3
EN 61547
suitable for emergency light installations as per EN 50172

Lamp		Ballast										
watt-age W	type	type	article number	length L mm	fixing centres D mm	weight kg	lamp power W ②	circuit power W ②	current at 230V/50Hz A ②	λ at 230V/50Hz	tc point °C	temperature range °C ①
2x18	TC-L	PCA 2/18 TCL ECO	22086856	360	350	0.36	30	42.0	0.165	0.98	80	-25 → +60
2x24	TC-L	PCA 2/24 TCL ECO	22086875	360	350	0.36	44	52.0	0.228	0.99	90	-25 → +60
1x36	TC-L/TC-F	PCA 1/36 TCL ECO	22085507	360	350	0.32	32	37.5	0.165	0.97	75	-25 → +60
2x36	TC-L/TC-F	PCA 2/36 TCL ECO	22085516	360	350	0.36	64	74.0	0.325	0.99	85	-25 → +60
1x40	TC-L	PCA 1/40 TCL ECO	22085522	360	350	0.32	38	43.0	0.190	0.98	75	-25 → +60
2x40	TC-L	PCA 2/40 TCL ECO	22085538	360	350	0.36	76	87.9	0.380	0.99	75	-25 → +60
1x55	TC-L	PCA 1/55 TCL ECO	22085544	360	350	0.32	55	61.5	0.270	0.99	80	-25 → +60
2x55	TC-L	PCA 2/55 TCL ECO	22085550	360	350	0.36	110	117.3	0.490	0.99	90	-25 → +50
1x80	TC-L	PCA 1/80 TCL ECO	22088990	360	350	0.32	80	90.0	0.399	0.98	70	-25 → +50

① 10 °C to t_a max: dimming to 3 %

-25 °C to 10 °C: 100 % start and 100 % operation possible. This applies to AC and DC operation.

② valid at 100 % light output