

PCA ECO for fluorescent lamps

- Digital dimmable ballast for fluorescent lamps, controllable with digital DSI-signals or manually controllable via standard push to make switches without any need of luminaire rewiring.
 - Automatic detection of the connected control signal.
 - Integrated SMART interface for ambient light regulated applications
 - Polarity free digital Interface
 - Manual control (switchDIM) via standard push to make switches.
 - Programmed warm start without any light flash
 - Flicker free dimming operation light level independent and through the complete temperature range
 - Powerless switching through the digital interface (no switching via mains necessary)
 - ON/OFF and dimming commands can be given through the same control wires
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- At the maximum allowed temperature a nominal life time of 50.000h with a nominal failure rate of 0,2% per 1000h can be expected
 - Logarithmic dimming curve that is optimised according to the sensitivity to the eye
 - Safe shutdown of defective lamps (e.g. rectifying effect)
 - Automatic restart after lamp replacement
 - CELMA energy classification EEI=A1
 - Constant light output independent of fluctuating supply voltage
 - Suitable for emergency applications according to VDE 0108
 - Approvals:
ENEC 11, CE, EEI=A1
(EN 55015, EN 55022, EN 60929, EN 61000-3-2,
EN 61347-2-3, EN 61547, installations according to VDE 0108)
 - Product designation:
PCA x/yy XX ECO
XX...lamp type
e.g. PCA 1/14 T5 ECO
PCA 1/26 TCT ECO
PCA 1/55 T5c ECO