

PCA ECO Ip for T5 (16mm) fluorescent lamps

- Digital dimmable ballast for T5 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. Dimming speed adjustable.
 - Memory function for the last operation mode in case of mains failures. E.g. standby mode
 - Programmed warm start within 0,5 seconds without any light flash
 - Flicker free dimming operation light level independent and through the complete temperature range
 - Intelligent Voltage Guard to protect the ballast against miss wiring (over voltage indication and under voltage protection (safe shut down))
 - 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
 - Low profile ballast cross section 21x30mm
 - 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 T5 ECO Ip
x...number of lamps
yy...lamp power