

# PHILIPS

## Lighting

# EB-T Electronic ballasts for TL5 lamps (India)

## EBT 228 TL5 240

Slim, lightweight, high-frequency electronic ballasts for TL5 lamps

### Product data

General Information	
Lamp Type	TL5
Number of Lamps	1 piece/unit
Number of Products on MCB (16A Type B) (Nom)	28
Automatic Restart	Yes

Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Operating Frequency (Min)	42 kHz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Power Factor 100% Load (Nom)	0.98
Ignition Time (Max)	1.5 s
Mains Voltage Performance (AC)	221-254V
Mains Voltage Safety (AC)	216-264V
Earth Leakage Current (Nom)	0.7 mA
Inrush Current Width	250 ms
Constant Wattage Deviation	Not specified
Power Losses (Nom)	4 W

Inrush Current Peak (Max)	24 A
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Wiring	
Connector Type Input Terminals	WAGO 251 universal connector [ Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Cable Capacity Output Wires Mutual (Nom)	150 pF
Connector Type Output Terminals	WAGO 251 universal connector [ Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Wire Striplength	9.0-10.0 mm
Input Terminal Cross Section	0.50-1.50 mm <sup>2</sup>
Output Terminal Cross Section	0.50-1.50 mm <sup>2</sup>
Cable Capacity Output Wires to Earth (Nom)	75 pF

System characteristics	
Rated Ballast-Lamp Power	28 W

Temperature	
T-Ambient (Max)	50 °C
T-Ambient (Min)	0 °C

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T-Storage (Max)	85 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Max)	75 °C
T-Ignition (Min)	0 °C

### Emergency Operation

Battery Voltage Lamp Ignition	198-254 V
Battery Voltage Lamp Operation	176-254

### Approval and Application

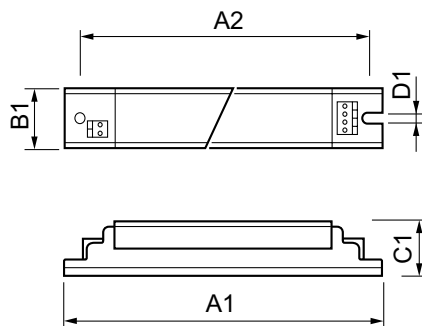
Energy Efficiency Index	A3
EMI 9 kHz ... 30 MHz	EN 55015 edition 7.1
EMI 30 MHz ... 1000 MHz	EN 55022
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Harmonic Current Emission Standard	IEC 61000-3-2
EMC Immunity Standard	IEC 61547
Vibration Standard	IEC68-2-6 F c

Bumps Standard	IEC 68-2-29 Eb
Humidity Standard	EN 61347-2-3 clause 11
Approval Marks	CE marking S Mark
Temperature Marking	Not specified
Hum And Noise Level	Inaudible

### Product Data

Full product code	872790091032200
Order product name	EBT 228 TL5 240
EAN/UPC - Product	8711500999566
Order code	913702249232
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	913702249232
Net Weight (Piece)	0.210 kg

### Dimensional drawing



Product	D1	C1	A1	A2	B1
EBT 228 TL5 240	4.2 mm	29.0 mm	258.0 mm	244.0 mm	30.0 mm

EB-T 228 TL5 220-240V 50/60Hz

