

EB-Certalume for TL-D lamps

EB-Ci 1-2 36W / 1-4 18W 220-240V 50/60Hz

Affordable, reliable, high-frequency electronic ballast for TL-D fluorescent lamps, ideal alternative to electromagnetic fluorescent systems. The cost-saving and reliable EB-C has energy efficiency class A2, and its robust design meets all necessary international standards for safety and EMC. The ballast is primarily designed for indoor use. For outdoor use, the luminaire should be minimum Class II and be sufficiently protected against water and dust. The installation should also be protected against lightning surges or any other electrical protection deemed necessary in this type of installation and application.

Product data

General Information	
Lamp type	TL-D
Number of lamps	1-4 piece/unit
Suitable for outdoor use	No
Number of products on MCB (16 A type B) (max.)	28
Automatic restart	Yes
Operating and Electrical	
Input voltage	220-240 V
Input frequency	50 or 60 Hz
Operating frequency (nom.)	42-60 kHz
Ignition method	Warm Start
Crest factor (max.)	1.7
Ignition time (nom.)	2.0 s
Mains voltage performance (AC)	-10%~+10%
Mains voltage safety (AC)	198...264V

Earth leakage current (max.)	0.5 mA
Inrush current width	0.35 ms
Ballast factor (nom.)	1
Power factor (max.)	0.98
Power factor (min.)	0.90
Input power (max.)	70.2 W
Input power (min.)	21.3 W
Power losses (max.)	6.2 W
Power losses (nom.)	3.3 W
Inrush current peak (max.)	19 A
Rated lamp power	18-36 W
Wiring	
Connector type input terminals	Insert
Cable capacity output wires mutual (max.)	150 pF
Connector type output terminals	Insert
Cable length hot-wiring	0.75 m

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Wire strip length	7.5-8.5 mm
Input terminal cross section	0.50-1.50 mm ²
Output terminal cross section	0.50-1.50 mm ²
Cable capacity output wires to earth (max.)	150 pF
Connector type	Insert

System characteristics

Rated lamp power on TL-D	18-36 W
System power on TL-D	21.3-68.2 W
Lamp power on TL-D	18.0-31.0 W
Power loss on TL-D	3.3-6.2 W

Temperature

T ambient (max.)	50 °C
T case lifetime (max.)	75 °C
T-Case maximum (max.)	75 °C
T-Ignition (max.)	50 °C
T-Ignition (min.)	-10 °C

Mechanical and Housing

Housing material	Plastic
Housing	L210x30x26mm

Emergency Operation

Battery voltage lamp ignition	165-253 V
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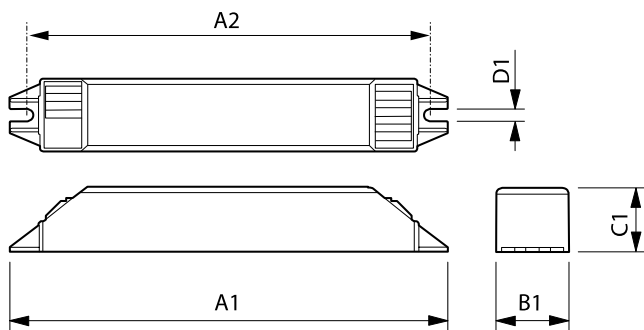
Approval and Application

Energy efficiency index	A2
IP classification	IP 20 [Ingress Protection 20]
EMI 9 kHz... 30 MHz	EN55015
EMI 30 MHz... 1,000 MHz	EN 55015
Environmental standard	ISO 14001
Vibration standard	IEC60068-2-6 F c
Bumps standard	Not specified
Approval marks	CB Certificate CCC certificate TISI marking PSB certification RCM compliance
Temperature marking	Yes
Humming and noise level	< 30 dB(A)

Product Data

Full product code	694793913353600
Order product name	EB-Ci 1-2 36W / 1-4 18W 220-240V 50/60Hz
EAN/UPC – product	6947939133536
Order code	913713043180
Numerator – quantity per pack	1
Numerator – packs per outer box	30
Material no. (12NC)	913713043180
Net weight (piece)	0.080 kg

Dimensional drawing



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Product	A1	A2	B1	C1	D1
EB-Ci 1-2 36W / 1-4 18W 220-240V 50/60Hz	210 mm	200 mm	30 mm	26 mm	4.3 mm

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