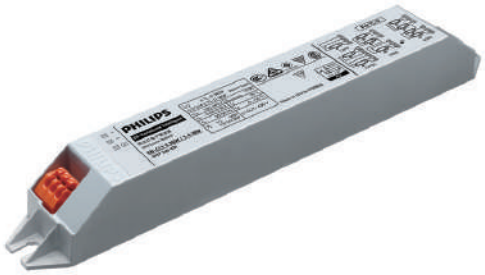
PHILIPS

Lighting



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 systemsThe 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 application. For outdoor application, the luminaire should be minimum ClassIand need to be sufficiently protected against water & dust. The installation should also be guard against any lightening surge or any other necessary electrical protection as deemed in such typical installation & 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 (16A 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
Crestfactor (Max)	1.7
Ignition Time (Nom)	1.0 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
Wire Striplength	7.5-8.5 mm

EB-Certalume for TL-D lamps

Input Terminal Cross Section	0.50-1.50 mm²
Output Terminal Cross Section	0.50-1.50 mm²
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

Approval and Application

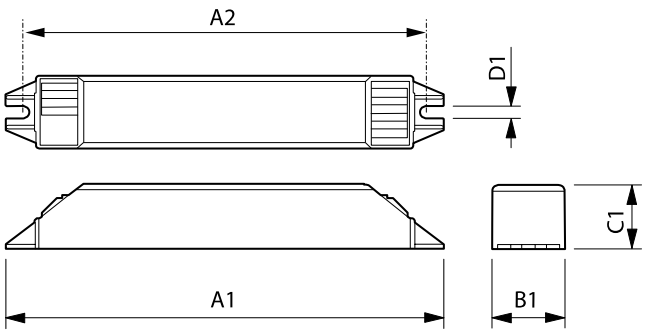
Energy Efficiency Index	A2

IP Classification	IP 20 [Ingress Protection 20]
EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	EN 55015
Safety Standard	IEC 61347-2-3,IEC 61347-1
Quality Standard	ISO 9001
Environmental Standard	ISO 14001
EMC Immunity Standard	EN 55015
Vibration Standard	IEC60068-2-6 F c
Bumps Standard	Not specified
Approval Marks	CB Certificate CCC certificate TISI marking PSB certification RCM compliance CS Compliance IRAM Compliance SNI Certificate
Temperature Marking	Yes
Hum 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 Nr. (12NC)	913713043180
Net Weight (Piece)	0.080 kg

Dimensional drawing



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

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



© 2018 Philips Lighting Holding B.V. All rights reserved. Philips Lighting reserves the right to make changes in specifications and/or to discontinue any product at any timewithout notice or obligation and will not be liable for any consequences resulting from the use of this publication.

www.lighting.philips.com
2018, May 8 - data subject to change