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12 2 0 808 01S
03/2002
Printed in Hong Kong

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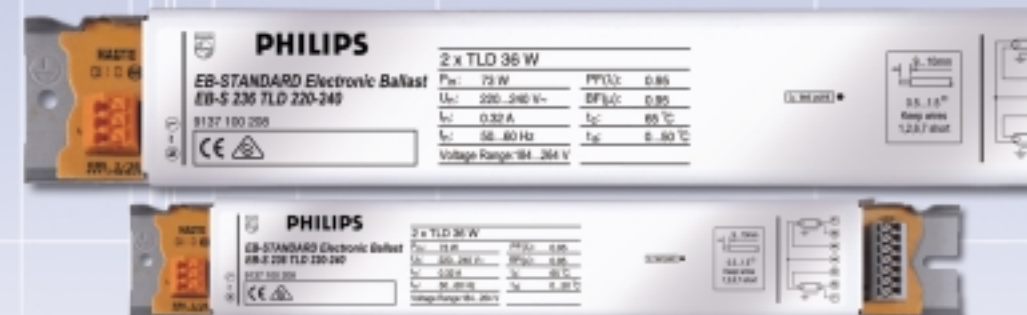
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excellent lighting begins with us



Ballasts
for
fluorescent lamps



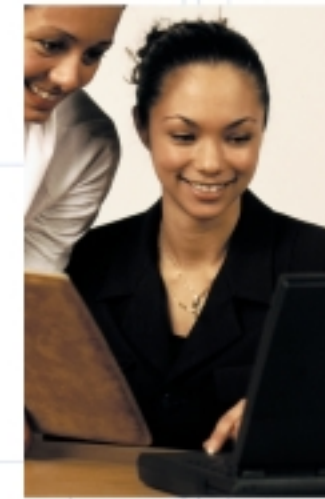
EB-STANDARD



PHILIPS

Let's make things better.

In the Asia Pacific region mains voltage fluctuation can be a daily occurrence affecting the output of fluorescent lamps and impeding ignition. The EB-STANDARD range of electronic ballasts gives you back control over lighting conditions. The range is designed to suit the spectrum of rated mains voltages in the region - from 220-240V, 50 and/or 60Hz - and to handle mains voltage fluctuations from 216-247V without affecting performance. Additionally, the lamps will continue to operate well even if mains voltage drops to 184V or rises to 264V.

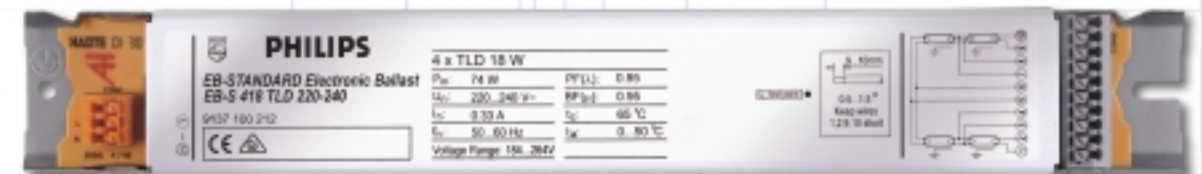


Benefits

Philips EB-STANDARD electronic ballasts start rapidly and operate without noise or flicker, making life better for everyone whose life they illuminate. EB-STANDARD ballasts also lighten the bottom line: they use only 80% of the energy of traditional ballasts and, by preheating lamp filaments, give longer lamp life.

The EB-STANDARD is designed to meet the diverse requirements of projects and the various regional standards in Asia Pacific. It does this by complying with demanding international safety and performance standards, including compliance with the IEC 928 safety standard and IEC 929 performance standard. The versatile EB-STANDARD range works with an extensive combination of different lamp wattages.

The manufacture of the EB-STANDARD in an ISO 9001 environment further guarantees the reliability of the electronic ballast. ISO 14001 certification gives customers the peace of mind that comes from knowing the products they use are manufactured in an environmentally responsible way. Long lamp life and long ballast lifetimes make the EB-STANDARD ideal for situations with frequent switches per day or where demands on the ballast are heavy. The EB-STANDARD is built to meet the varied requirements of projects and regional standards across the Asia-Pacific region.



Product portfolio

Lamp family	Wattage	Quantity of lamps on one ballast
TL'D	18W, 36W, 58W	1, 2, 3 or 4 lamps
PL-L	18W, 36W, 58W	1 or 2 lamps

Energy saving calculation

Step 1	Determine traditional electromagnetic system (T8+ballast+starter)	'TL'D 36W, 45W System power
Step 2	Determine new electronic system (T8+EB-S ballast)	'TL'D 36W, 36W System power
Step 3	Determine average burning hours per year (Typical office building)	4,000 hours
Step 4	Determine cost per KWH (Depending on local supply condition)	US\$0.10

$$\text{Annual cost saving} = (\text{Step 1} - \text{Step 2}) \times \text{Step 3} \times \frac{\text{Step 4}}{1000}$$

Example:

$$\text{Annual cost saving} = (45-36) \times 4000 \times \frac{\text{US\$0.10}}{1000} = \text{US\$3.60}$$
Savings per lamp

* data subject to change

Without compromising comfort, the EB-STANDARD range of electronic ballasts optimised energy use and extends lamp and ballast lifetimes.