



Technical Information

LIGHT ECO



Do not use Light Eco in wet or damp conditions.
Do not mount Light Eco upside down

Input: Normal AC voltage² frequency 50 or 60 Hz.

Output: Full power timer; 1 - 5 min. after switching on:
 Set to saving 28% of full power:

Continuously monitors the mains "voltage".
 Switches out of Economy when mains voltage drops by 12.5%

Continuously monitors the "current." Senses load change, switches out of Economy when additional load is added to allow easy lamp striking for the new load.

Soft Switching of the load from mains to economy voltage and vice versa is achieved by our patented microprocessor system.

Environmental Range: Temperature: -15°C to +50°C
 Humidity: 80%

Identification:	LE 2.4	LE 3.8	LE 4.8
Load:	2400VA	3800VA	4800VA
Weight:	5.5kg (14lb)	7kg (15.6lb)	7.5kg (19.5lb)
Dimensions:	305 x 170 x 100 mm (12"x 6.6"x 3.8")		

Suggested load¹ (Max.):			
36W fluorescent	50 tubes	80 tubes	100 tubes
40W fluorescent	46 tubes	74 tubes	92 tubes
58W fluorescent	34 tubes	54 tubes	68 tubes
65W fluorescent	30 tubes	48 tubes	60 tubes

Every circuit MUST be Tong Tested

Safe circuit breaker specification: 10; 16 or 20 Amps

Operating Voltages: 220; 230 or 240 Volts; 50/60 Hz

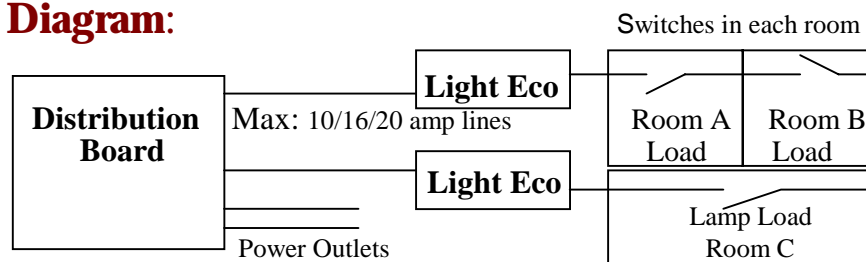
Notes:

- Please note the limiting factors in determining the load for each **Light Eco** unit. The exact quantity of lights depends on the light wattage, the system power factor and the systems condition.
- Standard supply voltages are: Australia, UK 230 volts nominal (204-264V); New Zealand 230 volts nominal (195-253V) and in Europe, India, SE Asia, Africa and parts of South America 220 volts nominal (187-242V). USA, Canada, Japan and parts of South America operate at 115 volts and cannot use Light Eco. With **Light Eco** at 10% reduction, the results from a recent series of light measurements taken at 1.5m from the ground using Philips New Generation TLD lamps were: (240V supply voltage), varied from 481 to 492 lux and (in economy mode) from 436 to 479 lux.

How easy is Light Eco to install?

Light Eco is designed for retrofitting into existing installations; no modification is required to existing light fittings. **Light Eco** is simply wired into the lighting circuit, before or after the light switches and between the power distribution board (DB) and the lighting load. Circuit protection is the DB Circuit Breaker or Fuse. The Installer must ensure the load and circuit wiring complies with the Country's wiring standards. It may be mounted vertically, horizontally or hung from the false ceiling hangers. It should not be mounted upside down as this restricts airflow to the unit. One person can complete an installation within 30 minutes. Interruption to lighting and downtime is a matter of minutes.

Wiring Diagram:



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