

# PHILIPS

sense and simplicity



## Product Specification

### TUV 180W/200W XPT Lamp Driver

#### Description:

This is a specification of electronic ballast for driving one low-pressure amalgam lamp. The ballast is capable of driving a Philips TUV 180W/200W XPT HO lamp. The electrical characteristics within this specification are premised on the lamp, mounted within a sleeve, which is installed in a water channel. The ballast converter topology is that of a constant current source.

#### Technical data:

Main input voltage: 110 ~ 277VAC,  $\pm 10\%$   
Main frequency: 50/60Hz  
Input current: 1.9A/0.8A@200W, full power  
Input power: 217W@200W, full power  
Power factor:  $>0.98$  @ 230V, full power  
Efficiency:  $>92\%$  @ 230V, full power

Initial warm-up: Preheating 2.0A  
Lamp current: 2.0A @ full power  
Lamp power: 200W  
Secondary short-circuit current: 2.2A

Dimming range: 50 ~ 100%  
Dimming control: 0 ~10VDC

Ambient temperature: -10 ~50 °C  
Environment humidity: Max.95%.  
Maximum Tc point: 70 °C

Indicator: Max. 24V/100mA.

Approbation: UL, CE  
RoHS conform: Yes

Lifetime 50.000 hrs at Tc max conditions

Weight: 1.9kg

## Protection:

Open circuit protection.

Stop the output, when no lamp loading, or lamp does not work.

EOL protection.

Stop the output, when lamp's life is ended.

Output short-circuit.

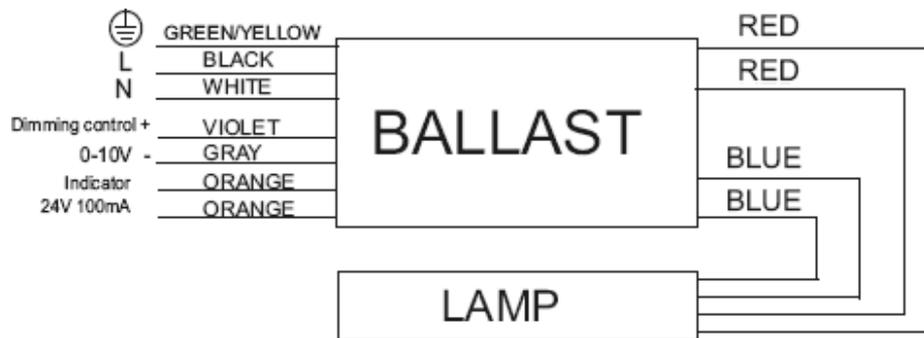
Driver will not damage by output short-circuit.

## Indicator:

Driver running normally: Short-circuit on indicator interface.

Driver stop the running: Open-circuit on indicator interface.

## Connection:



## Terminals and Enclosure:

The driver with flying leads, 254mm (10") in length for all input and output connections, including dimming control interface connections.

### Wire colors

Connection		Length	Color
Input	Line	254 mm	Black
	Neutral	254 mm	White
	Earth	254 mm	Green
	Interface +	254 mm	Violet
	Interface -	254 mm	Gray
	Indicator	254 mm	Orange
Output	Indicator	254 mm	Orange
	Lamp filament 1	254 mm	Red
	Lamp filament 1	254 mm	Red
	Lamp filament 2	254 mm	Blue
	Lamp filament 2	254 mm	Blue

Enclosure:

Dimension:

(267+30) x 73 x 46 mm  
11.75 x 2.88 x 1.78 Inch

