Product Specification

TUV 325W 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 325W 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, ±10%
Main frequency:	50/60Hz
Input current:	3.3A/1.3A
Input power:	350W
Power factor:	>0.98 @ 230V, full power
Efficiency:	>93% @ 230V, full power
Initial warm-up:	Preheating 2.0A
Preheat duration:	26 +/- 4 S
Ignition voltage:	1400 – 1750Vpk (open circuit voltage)
Ignition pulse width:	300 – 600 ms (open circuit voltage)
Lamp current:	2.0A @ full power
Lamp power:	325W
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:	75 °C
Indicator:	Max. 24V/100mA.
Approbation:	UL, CE, PSE
RoHS conform:	Yes
Weight:	1.9kg

Protection:

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

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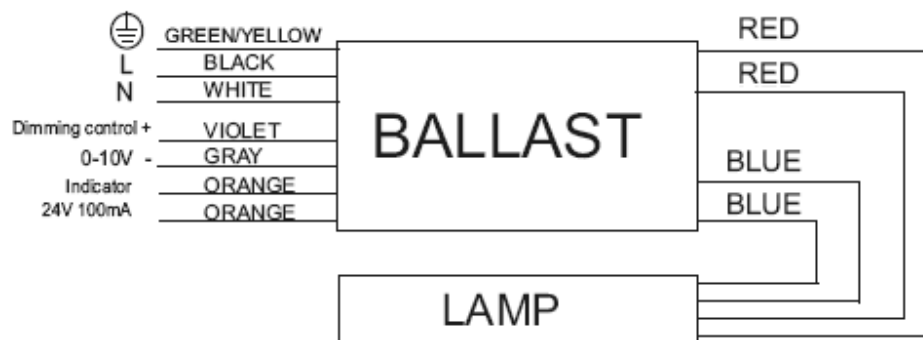   Stop the output, when lamp's life is ended.

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
	Indicator	254 mm	Orange
Output	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

$1^{25}/_{32}$"

$2^{7}/_{8}$"

$11^{9}/_{64}$"

$11^{3}/_{4}$"