

Noblesave T5 SSC

Technical data:

- Defined lamp warm start, start time 1.5s in the case of AC and DC, reduced filament current after lamp start
- Constant luminous flux irrespective of supply voltage fluctuations
- AC voltage range 194-254V
- Power factor around 0.95
- Under-voltage protection (automatic disconnection) <150V AC
- Large temperature range from -15°C to +45°C
- Safety disconnection of defective lamps
- Automatic re-start in case of lamp exchange
- For lamps with 110°, Cut OFF, EOL
- Usable in lamps of safety class SK I and SK II
- Protection category IP 20
- Temperature protection according to EN 61347-2-3 C5e
- Installation: Attachement modules without cabling

Noblesave T5 SSC 220-240 V lamp power 28W

Parameter Figure

Lamp length 1149 mm

Total power 29W

Power factor

cos φ at 230V/50Hz

0.95

Temperature range °C -15°C - +45°C

Noblesave T5 SSC 220-240 V lamp power 35W

Parameter Figure

Lamp length 1449 mm

Total power 36,5W

Power factor

cos φ at 230V/50Hz

0.95

Temperature range °C -15°C - +45°C

Noblesave T5 SSC 220-240 V lamp power 49W

Parameter Figure

Lamp length 1449 mm

Total power 49W

Power factor

cos φ at 230V/50Hz

0.95

Temperature range °C -15°C - +45°C



PFC + Ballast control IC

Features

- PFC, ballast control and 600 V half-bridge driver in one IC
- Critical-conduction mode boost-type PFC
- Programmable half-bridge over-current protection
- Programmable preheat frequency
- Programmable deadtime
- Programmable preheat time
- Programmable run frequency
- RoHS compliant

Description

The IRS2166D is a fully integrated, fully protected 600 V ballast control IC designed to drive all types of fluorescent lamps. The IRS2166D is based on the popular IR2166 control IC with additional improvements to increase ballast performance. PFC circuitry operates in critical conduction mode and provides high PF, low THD, and DC bus regulation. The IRS2166D features include programmable preheat and run frequencies, programmable preheat time, and programmable end-of-life protection. Comprehensive protection features such as protection from failure of a lamp to strike, filament failures, end-of-life protection, DC bus undervoltage reset as well as an automatic restart function, have been included in the design.

- End-of-life window comparator pin
- Internal up/down current-sense fault counter
- DC bus undervoltage reset
- Lamp removal/auto-restart shutdown pin
- Internal bootstrap MOSFET
- Internal 15.6 V zener clamp diode on VCC
- Micropower startup (250 μ A)
- Latch immunity and ESD protection

System Features

- Improved VBUS regulation voltage tolerance
- Increased SD pin shutdown voltage threshold hysteresis
- Changed EOL pin internal 2.0 V bias to a +/-10 μ A OTA
- Internal bootstrap MOSFET



16-Lead PDIP
IRS2166DPbF



16-Lead SOIC
IRS2166DSPbF

Miniature aluminium electrolytic capacitors

KXG series For Ballast, High Ripple Current, Long Life Series

- For electronic ballast circuits and other long life applications
- Endurance with ripple current : 8,000 to 10,000 hours at 105 °C
- Non solvent resistant type
- RoHS Compliant



Packing units

28 W Noblesave T5 SSC are 20 pieces/carton

35 W Noblesave T5 SSC are 20 pieces/carton

49 W Noblesave T5 SSC are 20 pieces/carton



 **Westerlight**
Green and Bright