

ELECTRONIC BALLAST FOR T5 FLUORESCENT LAMPS

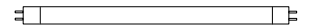


FEATURES

- ➔ Standard, compact and lightweight electronic ballast for T5 fluorescent lamp.
- ➔ Very high lumen and constant light output.
- ➔ Slim aluminium design harmonizes with tiny T5 lamp.
- ➔ 3rd party fully certified EU-LVD and EMC directive approval.
- ➔ Suitable for frequent switching application.
- ➔ Recommended for airports, offices, hospitals, display cabinets and industrial lighting.

LAMP

T5/(G5)



BALLAST SPECIFICATION

Safety Input Voltage Range	154 to 265 Volts
Operating Input Voltage	176 to 255 Volts
Input Voltage for Constant Light Output	198 to 253 Volts
Power Factor	0,99
DC Voltage Operation	175 to 230 Voltage DC
Input Current Harmonics	IEC 61000-3-2/-3
Total Harmonics Distortion (%THDi)	<10%
Maximum Case Temperature (t _c)	90° C
Environmental Operating Temperature (t _a)	-10 to 50° C
Maximum Relative Humidity	90% non - condensing
Safety	IEC 61347-1, IEC 61347-2-3
Withstanding Voltage	IEC 61347-2-3
Guaranteed Withstanding Voltage	2500 Vac
Insulation Resistance	>2 MΩ
Endurance	IEC 60929

De-activated Lamp Protection	Automatic Restart
Removal of Lamp	IEC 60929
Lamp Fail Protection	IEC 60929
End of Lamp Life Protection	Automatic Restart
Electromagnetic Compatibility (EMC)	EN 55015, EN 55022
Immunity	IEC 61547 (EN 61000-4-2/-3/-4/-5/-6/-11)
Main Transient Over Voltage	IEC 60929
Lamp Current Crest Factor	<1,5
Lamp Flicker	Flicker Free
Output Frequency	25 to 70 kHz
Ballast Lumen Factor	0.95
Lamp Starting	Preheat
Lamp Cable Length	1.0 m. MAX
Case & Connection	Aluminum & Terminal Block

TECHNICAL DATA AND DIMENSION

The image shows three wiring diagrams for different ballast configurations: 1x24W, 1x39W, and 1x49W. Each diagram shows the connection between the BALLAST and the LAMP. The dimensions table is as follows:

DIMENSIONS				
L1 (mm)	L2 (mm)	W (mm)	H (mm)	Weight (Kg.)
383.0	375.0	30.0	30.0	0.3

TECHNICAL DATA					
Model	Product Code	Rated Voltage (V)	Lamp	Nominal Input Power (W)	Nominal Line Current (A)
SLIM 1x24W	EBLSLT5 22012400 00000	220	T5(Ø16.0mm.)	27.0	0.124
		230	T5(Ø16.0mm.)	27.0	0.119
SLIM 1x39W	EBLSLT5 22013900 00000	220	T5(Ø16.0mm.)	42.0	0.193
		230	T5(Ø16.0mm.)	42.0	0.185
SLIM 1x49W	EBLSLT5 22014900 00000	220	T5(Ø16.0mm.)	52.0	0.239
		230	T5(Ø16.0mm.)	52.0	0.229
SLIM 1x54W	EBLSLT5 22015400 00000	220	T5(Ø16.0mm.)	57.0	0.262
		230	T5(Ø16.0mm.)	57.0	0.251
SLIM 1x80W	EBLSLT5 22018000 00000	220	T5(Ø16.0mm.)	83.0	0.381
		230	T5(Ø16.0mm.)	83.0	0.365

TECHNICAL DATA					
Model	Product Code	Rated Voltage (V)	Lamp	Nominal Input Power (W)	Nominal Line Current (A)
SLIM 2x24W	EBLSLT5 22022400 00000	220	T5(Ø16.0mm.)	53.0	0.243
		230	T5(Ø16.0mm.)	53.0	0.233
SLIM 2x39W	EBLSLT5 22023900 00000	220	T5(Ø16.0mm.)	83.0	0.381
		230	T5(Ø16.0mm.)	83.0	0.365
SLIM 2x49W	EBLSLT5 22024900 00000	220	T5(Ø16.0mm.)	103.0	0.473
		230	T5(Ø16.0mm.)	103.0	0.453
SLIM 2x54W	EBLSLT5 22025400 00000	220	T5(Ø16.0mm.)	113.0	0.519
		230	T5(Ø16.0mm.)	113.0	0.496
SLIM 4x14W	EBLSLT5 22041400 00000	220	T5(Ø16.0mm.)	62.0	0.285
		230	T5(Ø16.0mm.)	62.0	0.272

Note :

1. All tolerances comply with IEC 60929.
2. Not suitable for leading or trailing edge phase-cut dimmer.
3. Lamp starting aid may be required at temperature below 10°C.
4. Low temperature application below 15°C, the lamp should be jacketed or covered to obtain optimum light output.
5. Specifications are subject to change without prior notice.