

PREMIUM/HF

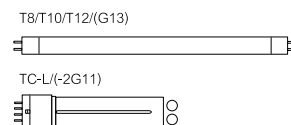
ELECTRONIC BALLAST FOR T8/TC-L FLUORESCENT LAMPS



FEATURES

- 3rd party certified EU-LVD and EMC directive by ETS-PS
- Constant output power during the changing of the voltage supply.
- Very low input current harmonics between 5% and 10%.
- Full protection of electronic circuit and safety shutdown for defective lamps.
- Various lamp powers from 10W to 110W.
- Fully complied to IEC 60929.
- Recommended for airports, hospitals, computer rooms and highly sensitive neutral current stability areas.

LAMPS



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 240 Volts DC
Input Current Harmonics	IEC 61000-3-2/-3
Total Harmonics Distortion (%THDi)	< 5% (1x55W), <10%
Maximum Case Temperature (t _c)	90°C
Environmental Operating Temperature (t _a)	0 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
Under Voltage Protection	Electronic Shutdown
Electromagnetic Compatibility (EMC)	EN 55015, EN 55022
Immunity	IEC 61547 (IEC 61000-4-2/-3/-4/-5/-6)
Main Transient Over Voltage	IEC 60929
Energy Efficiency	EEL=A2 (CELMA)
Sinusoidal Vibration Test	IEC 60068-2-6 FC
Lamp Current Crest Factor	<1,5
Lamp Flicker	Flicker Free
Output Frequency	25 to 60 kHz
Ballast Lumen Factor	0.95
Lamp Starting	Preheat
Lamp Cable Length	1.5 m. MAX
Case & Connection	Aluminum & Terminal Block



TECHNICAL DATA AND DIMENSION

The image shows three wiring diagrams for different ballast configurations: 1x18W, 2x18W, and 1x55W TC-L with 1x58W T8 lamps. To the right, dimension drawings show the length (L1, L2), width (W), and height (H) of the ballast. A note indicates a 5.0mm offset for the L2 dimension.

DIMENSIONS				
L1 (mm)	L2 (mm)	W (mm)	H (mm)	Weight (Kg.)
323.0	315.0	30.0	30.0	0.26

TECHNICAL DATA					
Model	Product Code	Rated Voltage (V)	Lamps	Nominal Input Power (W)	Nominal Line Current (A)
PREMIUM 1x18W	EBLSLT8 22011800 00004	220	T8(Ø26.0mm.)	19.0	0.086
		230	T8(Ø26.0mm.)	19.0	0.083
HF1x32W	EBLSLT8 22013200 00004	220	T8(Ø26.0mm.)	35.0	0.156
		230	T8(Ø26.0mm.) Preheat	35.0	0.149
PREMIUM 1x36W	EBLSLT8 22013600 00004	220	T8(Ø26.0mm.)	36.0	0.163
		230	T8(Ø26.0mm.)	36.0	0.156
PREMIUM 1x55W TC-L 1x58W T8	EBLSLT8 22015800 00004	220	TC-L	56.0	0.252
		230	TC-L	56.0	0.241
		220	T8(Ø26.0mm.)	58.0	0.266
		230	T8(Ø26.0mm.)	58.0	0.254

TECHNICAL DATA					
Model	Product Code	Rated Voltage (V)	Lamps	Nominal Input Power (W)	Nominal Line Current (A)
PREMIUM 2x18W	EBLSLT8 22021800 00004	220	T8(Ø26.0mm.)	38.0	0.168
		230	T8(Ø26.0mm.)	38.0	0.161
HF2x32W	EBLSLT8 22023200 00004	220	T8(Ø26.0mm.)	66.0	0.312
		230	T8(Ø26.0mm.) Preheat	66.0	0.299
PREMIUM 2x36W	EBLSLT8 22023600 00004	220	T8(Ø26.0mm.)	72.0	0.327
		230	T8(Ø26.0mm.)	72.0	0.313
PREMIUM 2x55W TC-L 2x58W T8	EBLSLT8 22025800 00004	220	TC-L	110.0	0.505
		230	TC-L	110.0	0.483
		220	T8(Ø26.0mm.)	116.0	0.532
		230	T8(Ø26.0mm.)	116.0	0.509
PREMIUM 4x18W	EBLSLT8 22041800 00001	220	T8(Ø26.0mm.)	74.0	0.330
		230	T8(Ø26.0mm.)	74.0	0.316

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.

