

## ELECTRONIC BALLAST FOR T5 FLUORESCENT LAMPS



### FEATURES

- ➔ Slim look with poly carbonate case for better environmental friendly.
- ➔ Provide parallel output with constant light feature.
- ➔ Suitable for frequent switching application.
- ➔ 3<sup>rd</sup> party fully certified EU-LVD and EMC directive approval.
- ➔ Recommended for new design T5 luminaire.

### LAMP

T5/(G5)



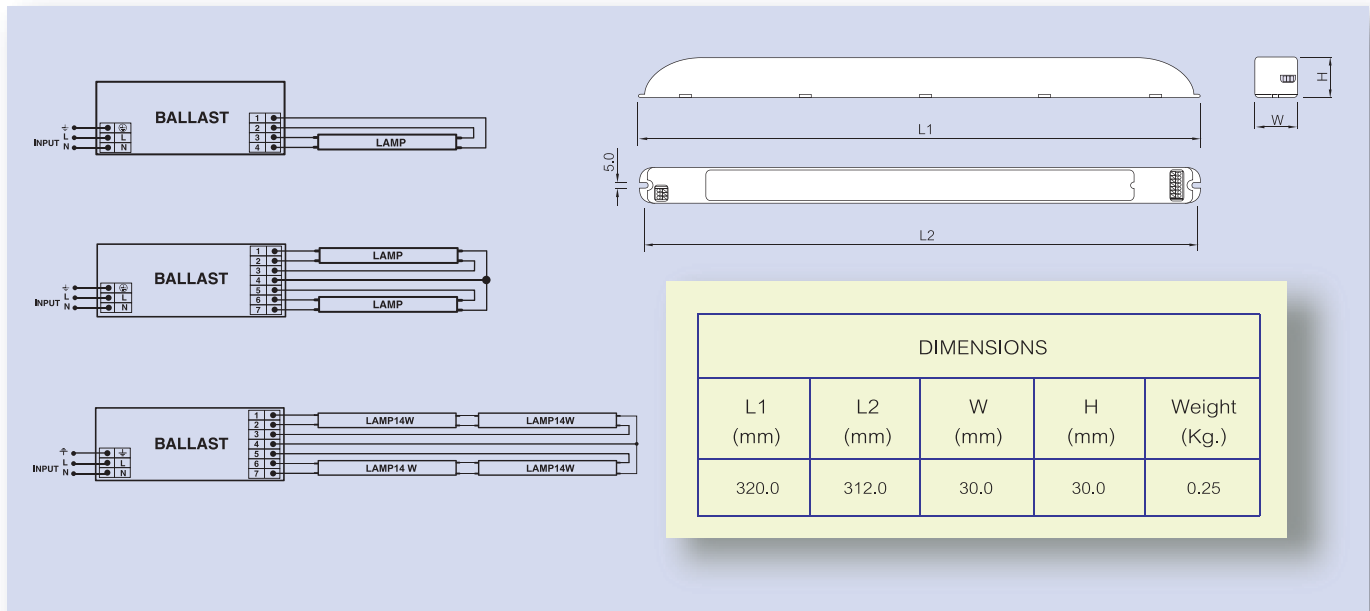
### BALLAST SPECIFICATION

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 <sub>c</sub> )	90° C
Environmental Operating Temperature (t <sub>a</sub> )	-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
Under Voltage Protection	Electronic Shutdown
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
Energy Efficiency	EEL=A2 (CELMA), No.5 (EGAT)
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	1.5 m, MAX
Case & Connection	PC & Terminal Block
Life Time	300,000 Hours (t <sub>a</sub> =25° C)
Life Time	200,000 Hours (t <sub>a</sub> =35° C)



## TECHNICAL DATA AND DIMENSION



TECHNICAL DATA					
Model	Product Code	Rated Voltage (V)	Lamp	Nominal Input Power (W)	Nominal Line Current (A)
SLIM 1x14W	EBLSLT5 22011400 00000	220	T5(Ø16.0mm.)	17.0	0.078
		230	T5(Ø16.0mm.)	17.0	0.075
SLIM 1x21W	EBLSLT5 22012100 00000	220	T5(Ø16.0mm.)	24.0	0.110
		230	T5(Ø16.0mm.)	24.0	0.105
SLIM 1x28W	EBLSLT5 22012800 00000	220	T5(Ø16.0mm.)	31.0	0.142
		230	T5(Ø16.0mm.)	31.0	0.136
SLIM 1x35W	EBLSLT5 22013500 00000	220	T5(Ø16.0mm.)	38.0	0.174
		230	T5(Ø16.0mm.)	38.0	0.171

TECHNICAL DATA					
Model	Product Code	Rated Voltage (V)	Lamp	Nominal Input Power (W)	Nominal Line Current (A)
SLIM 2x14W	EBLSLT5 22021400 00000	220	T5(Ø16.0mm.)	33.0	0.152
		230	T5(Ø16.0mm.)	33.0	0.145
SLIM 2x21W	EBLSLT5 22022100 00000	220	T5(Ø16.0mm.)	47.0	0.217
		230	T5(Ø16.0mm.)	47.0	0.207
SLIM 2x28W	EBLSLT5 22022800 00000	220	T5(Ø16.0mm.)	61.0	0.280
		230	T5(Ø16.0mm.)	61.0	0.268
SLIM 2x35W	EBLSLT5 22023500 00000	220	T5(Ø16.0mm.)	76.0	0.289
		230	T5(Ø16.0mm.)	76.0	0.277

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.

