DC GOLD

24 VDC ELECTRONIC BALLAST FOR FLUORESCENT LAMPS

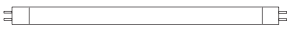
FEATURES

- Special protection circuit from reverse polarity on supply connection.
- Automatic restart after lamp replacement.
- Modified rapid start circuit prolong lamp life.
- Good heat dissipation due to aluminum housing.
- Withstands extreme temperature and vibration.
- Essentially work well with emergency system, solar system and transport.

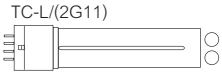
LAMPS

T5/(G5)

T8/T10/T12/(G13)



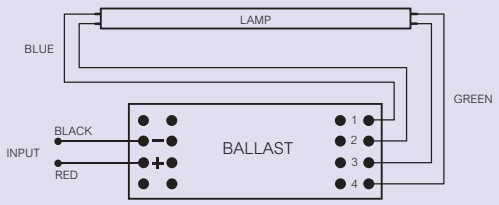
TC-L/(2G11)

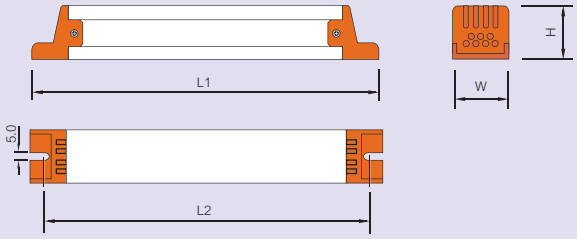


BALLAST SPECIFICATION

Maximum Case Temperature (t_c)	60˚C
Environmental Operating Temperature (t_a)	0 to 40˚C
Environmental Humidify	10%-90%RH non-condensing
Withstanding Voltage	IEC 61347-2-4/-5
Guaranteed Withstanding Voltage	1800 Vac
Insulation Resistance	>2 MΩ
De-activated Lamp Protection	IEC 61347-2-4/-5
Removal of Lamp	IEC 61347-2-4/-5
End of Lamp Life Protection	Automatic Restart
Lamp Fail to Start	IEC 61347-2-4/-5
Supply Polarity Reversal Protection	Automatic Shutdown
Safety	IEC 61347-1, IEC 61347-2-4/-5
Endurance	IEC 60925
Electromagnetic Compatibility (EMC)	CISPR 15, TIS 1955
Lamp Flicker	Flicker Free
Lamp Current Crest Factor	< 1.7
Output Frequency	25 to 60 kHz
Ballast Lumen Factor	0.85
Lamp Starting	Modified Rapid Start
Lamp Cable Length	1.0 m. MAX
Case & Connection	Aluminum & Wires

TECHNICAL DATA AND DIMENSION





DIMENSIONS					
Model	L1 (mm)	L2 (mm)	W (mm)	H (mm)	Weight (Kg.)
DC GOLD12W	158.0	135.0	34.0	34.0	0.35
DC GOLD24W	220	195.0	34.0	34.0	0.14

TECHNICAL DATA									
Model	Product Code	Rated Voltage (V)	Lamp	Nominal Input Power (W)	Nominal Line Current (A)	Safety Input Voltage Range	Operating Input Voltage	Breakdown Voltage	Breakdown Voltage
DC GOLD 12V 1x8W	EBLGOT5 12D08000	12 VDC	T5(Ø16.0mm.)	8.5	0.70	9.6 - 15	10.2 - 13.8	16	12
DC GOLD 12V 1x10W	EBLGOFL 12D11000	12 VDC	T8(Ø26.0mm.)	12.0	1.0	9.6 - 15	10.2 - 13.8	16	12
DC GOLD 12V 1x14W	EBLGOT5 12D11400	12 VDC	T5(Ø16.0mm.)	15.0	1.25	9.6 - 15	10.2 - 13.8	16	12
DC GOLD 12V 1x18W	EBLGOFL 12D11800	12 VDC	T8(Ø26.0mm.)	20.0	1.67	9.6 - 15	10.2 - 13.8	16	12
DC GOLD 12V 1x36W	EBLGOT5 12D13600	12 VDC	T8(Ø26.0mm.)	40.0	3.34	9.6 - 15	10.2 - 13.8	16	12
DC GOLD 24V 1x10W	EBLNAFL 24D11000	24 VDC	T8(Ø26.0mm)	10.8	0.430	16.8 - 28.8	19.2 - 27.6	31.2	24
DC GOLD 24V 1x14W	EBLNAFL 24D11400	24 VDC	T5(Ø16.0mm)	15.0	0.625	16.8 - 28.8	19.2 - 27.6	31.2	24
DC GOLD 24V 1x18W	EBLNAFL 24D11800	24 VDC	T8(Ø26.0mm)	16.0	0.666	16.8 - 28.8	19.2 - 27.6	31.2	24

Note :
1. All tolerances comply with IEC 60929.
2. Ballast lumen factor depends on ballast model and lamp wattage.
3. Do not connect the ballast to AC supply.
4. Lamp starting aid may be required at temperature below 15°C.
5. Low temperature application below 15°C, the lamp should be jacketed or covered to obtain optimum light output.
6. Specifications are subject to change without prior notice.

TIS 1955-2542 RoHS CE EN 55015 ISO 14001 ISO 9001 ISO 14001 : 2004 ISO 9001 : 2000 EL 0025/99