

## The explanation of Product

### 1.1 Name and Model No.

Name	No.	Model No.	Shape of Glass tube	Rating	Remarks Color temp.
Compact type fluorescent lamp with self-ballaster	1	INNO-F12-027L	Hemisphere	120V 27W	2700°K
	2	INNO-F12-025L		120V 25W	2700°K
	3	INNO-F11-020L		120V 20W	2700°K
	4	INNO-F11-015L		120V 15W	2700°K
	5	INNO-T12-027L	Whirl wind	120V 27W	2700°K
	6	INNO-T12-025L		120V 25W	2700°K
	7	INNO-T12-020L		120V 20W	2700°K
	8	INNO-S10-014L	Double screw	120V 14W	2700°K

### 1.2 Explanation of products

#### **A compact type fluorescent lamp with self-ballaster ( Hereinafter as " lamp" )**

is composed with :

a glass tube spiralled to the shape of hemisphere( F12 and F11), or whirl wind( T-12) or double screw(S-10),

a pair of housing case with upper one for fixing the glass tube, and lower one for installing a base,

and a electronic ballast installed in the housing case.

Each end of glass tube is sealed with a stem mounted a filament .

Inside of glass tube is coated with fluorescent powder, injected very small amount of mercury ( or amalgam ) and argon gas ,

Electronic ballaster composed with a whole wave rectifier converting A.C to D.C, a inverter changing D.C into high frequency pulse wave power , and a circuit preheating the cathode instantaneously.

Base inserted to base holder( Socket ) supplies A.C power(120V 60Hz) to Electronic Ballaster, and then the electronic ballaster supplies the controlled power to glass tube for Lighting

A pair of housing cases is firmly fixing the glass tube and base, installing the electronic ballaster inside and maintaining the insulation performance to protect person from electric shock etc.

### 1.3 Electrical ratings and performance

1) Input votage rated	120V 60Hz
2) Input Power rated	14W~27W
3) Input current rated	
4) Input frequency	60Hz
5) Applying unit	1 Each
6) Insulation Performance	
Insulation Resistance	
Anti high tension	
7) Rising temperature- Normal	
8) Rising temperature- Abnormal	

### 1.4 Expressions of cautions

- Risk of electric shock. Use in dry location only.
- Use with dimmers or photocells without a manual relay can cause premature lamp or ballast failure.
- Not for use in totally enclosed recessed fixtures.
- Use only with ceiling fixtures, Long chain swag lamps or portable lamp that is provided with shade.
- This device is not intended for use with emergency exit fixtures or emergency exit lights.
- Added weight of the device may cause instability of a freestanding portable lamp.
- Use only with portable lamps in which the distance from the bottom of the base to the top of the lampholder does not exceed three(3) times the minimun base width.
- Use only with portable table lamp, which are provided with lamp shades.

