

Ensure the mains supply has been isolated before maintenance.

These ballasts are to be installed by a fully qualified electrician.

Ensure the correct lamp is used with the ballast as any deviation may result in serious damage to the ballast.

The incorrect use of lamps will negate any product warranty implied or given.

The High Frequency ballast will monitor the condition of the lamp. Should a lamp fail the ballast will automatically shut down the lamp, therefore replace the lamp (ensuring the supply has been switched off to the ballast before hand) before replacing the ballast.

For TWIN ballast configuration, the same applies as above except the ballast will switch off both lamps even if only one lamp has failed. We recommend both lamps are changed at the same time.

The Electronic ballasts used are ENEC certified and meet all relevant standards relating to safety, operation and electromagnetic compatibility (EMC).

The ballast comes complete with mains lead, lamp leads, loose end caps, tube clips and a 3 way terminal block for mains connection and looping facility.

Benefits of Electronic ballasts:

- Lamp operating at >40 KHz
- No starter switches to fail and replace
- Power Factor >0.96 therefore no need of power factor correction capacitors.
- High Frequency increases the luminous flux of fluorescent lamps approx. 10% (or for the same luminous flux approx 10% less power consumed).
- Electronic ballasts have a low power loss of less than 10% of light output.
- Lamp warm start within 1.5 seconds.
- High Frequency extends the lamp life approx 5000 hrs. compared to magnetic gear.
- Constant light output regardless of mains voltage fluctuations.
- Safe cut-off of defective lamps.
- Automatic re-start after lamp replacement.
- Reduces maintenance costs and extends maintenance periods.

The ballast has been tested to IP67 thus allowing the ballast to function safely in harsh or severe conditions and locations. Copy of report available upon request.

IP67 TECHNICAL DATA



Product code	Description	
118IP67	1 x 18w 600mm	T8 28mm
130IP67	1 x 30w 900mm	T8 28mm
136IP67	1 x 36w 1200mm	T8 28mm
158IP67	1 x 58w 1500mm	T8 28mm
170IP67	1 x 70w 1800mm	T8 28mm
114IP67	1 x 14w 563mm	T5 16mm
121IP67	1 x 21w 863mm	T5 16mm
124IP67	1 x 24w 563mm	T5 16mm
128IP67	1 x 28w 1163mm	T5 16mm
135IP67	1 x 35w 1463mm	T5 16mm
139IP67	1 x 39w 863mm	T5 16mm
149IP67	1 x 49w 1463mm	T5 16mm
154IP67	1 x 54w 1163mm	T5 16mm
180IP67	1 x 80w 1463mm	T5 16mm

Product code	Description	
218IP67	2 x 18w 600mm	T8 28mm
230IP67	2 x 30w 900mm	T8 28mm
236IP67	2 x 36w 1200mm	T8 28mm
258IP67	2 x 58w 1500mm	T8 28mm
270IP67	2 x 70w 1800mm	T8 28mm
214IP67	2 x 14w 563mm	T5 16mm
221IP67	2 x 21w 863mm	T5 16mm
224IP67	2 x 24w 563mm	T5 16mm
228IP67	2 x 28w 1163mm	T5 16mm
235IP67	2 x 35w 1463mm	T5 16mm
239IP67	2 x 39w 863mm	T5 16mm
249IP67	2 x 49w 1463mm	T5 16mm
254IP67	2 x 54w 1163mm	T5 16mm
280IP67	2 x 80w 1463mm	T5 16mm

Electrical Data		Circuit Watts	Current factor	Power	Electrical Data		Circuit Watts	Current factor	Power
1 x 18w	600mm T8 *	18.0W	0.08A	0.98	2 x 18w	600mm T8 *	36.0W	0.16A	0.97
1 x 30w	900mm T8 *	28.0W	0.12A	0.96	2 x 30w	900mm T8 *	56.0W	0.24A	0.96
1 x 36w	1200mm T8 *	35.0W	0.15A	0.98	2 x 36w	1200mm T8 *	70.0W	0.29A	0.98
1 x 58w	1500mm T8 *	54.0W	0.24A	0.98	2 x 58w	1500mm T8 *	107.0W	0.45A	0.99
1 x 70w	1800mm T8 *	68.0W	0.29A	0.97	2 x 70w	1800mm T8 #	130.0W	0.55A	0.98
1 x 14w	563mm T5 #	16.0W	0.07A	0.96	2 x 14w	563mm T5 #	31.0W	0.14A	0.96
1 x 21w	863mm T5 #	22.5W	0.10A	0.96	2 x 21w	863mm T5 #	45.5W	0.20A	0.97
1 x 24w	563mm T5 #	26.0W	0.11A	0.96	2 x 24w	563mm T5 #	48.5W	0.21A	0.96
1 x 28w	1163mm T5 #	30.5W	0.13A	0.96	2 x 28w	1163mm T5 #	61.0W	0.26A	0.97
1 x 35w	1463mm T5 #	38.5W	0.17A	0.96	2 x 35w	1463mm T5 #	76.5W	0.33A	0.97
1 x 39w	863mm T5 #	41.0W	0.18A	0.97	2 x 39w	863mm T5 #	84.0W	0.36A	0.97
1 x 49w	1463mm T5 #	52.5W	0.23A	0.97	2 x 49w	1463mm T5 #	107.0W	0.46A	0.97
1 x 54w	1163mm T5 #	57.5W	0.25A	0.97	2 x 54w	1163mm T5 #	114.5W	0.49A	0.97
1 x 80w	1463mm T5 #	86.0W	0.37A	0.96	2 x 80w	1463mm T5 #	175.0W	0.74A	0.98

AC Voltage Range: 198-264volts DC Voltage Range: 176-280volts Operating Frequency: >40 KHz

Dimensions: Ballast *: 305mm (L) x 48.5mm (W) x 46mm (H)
 Ballast #: 430mm (L) x 48.5mm (W) x 46mm (H)

Tested by BSI Services to BS EN 60529:1992. Degree of protection IP67