

MODELS
IL-7EL-AT-Axxx

PRODUCT MANUAL 34431
REV A MAY 2026



CUSTOM

7-ELEVEN MINI TOWER CABINET
FREESTANDING
AMBIENT



WIDTH: 800mm
HINGED FRONT DOORS

CUSTOM

7-ELEVEN MINI TOWER CABINET
FREESTANDING AMBIENT

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Warnings

Operational Safety

This appliance is not intended for use by young children or infirm persons, unless they have been adequately supervised by a responsible person, to ensure that they can use the appliance safely.

Young children should be supervised, to ensure that they do not play with the appliance.

Water

THIS UNIT IS NOT WATERPROOF. DO NOT USE A WATER JET SPRAY TO CLEAN THE INTERIOR OR EXTERIOR OF THIS CABINET.

Caution

Do not store explosive substances, such as aerosol cans with flammable propellant, in this appliance.

Mains Supply Cord

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons, in order to avoid a hazard.

Specialist Disposal

Specialist disposal procedures are required for the safe removal of refrigerant gasses and potentially flammable foam materials.

Pentane, Dimethyl Ether, Isobutene, Butane and Propane may be present.

Hazardous Substances

The cabinet does not contain any of the following, in its construction:

Asbestos

PCBs (Oils containing polychlorinated biphenyl)

Mercury

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INTRODUCTION

Welcome

TOWER SERIES CABINETS - INTRODUCTION

Future Products Group (FPG)

Welcome to the world of FPG! Our products are designed and engineered to give you the optimal performance that you deserve with innovative visual merchandising appeal.

We are confident that you will be delighted with your state of the art inline food service cabinet, and that it will become a valued appliance in your store.

Guidance and Help

Any new appliance can seem very complex and confusing at first glance. To ensure you receive the utmost benefit from your new inline cabinet, there are two things you can do.

- Before operating the cabinet, please read the instruction book carefully and follow its recommendations. The time taken will be well spent. These instructions both general and technical tell you how to install, operate and look after your inline food service cabinet so that you can receive the full benefits that this cabinet has to offer.
 - These instructions cannot, however, cover all eventualities. If you are unsure of any aspect of the installation, instructions or performance of your cabinet, contact your dealer promptly or contact us via email to support@fpgworld.com.
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Warranty

TOWER SERIES CABINETS - INTRODUCTION

Warranty Period

Future Products Group Limited warrants, to the original purchaser of an FPG manufactured food service cabinet, that for TWO YEARS (24 months) from the date of purchase, any defect in workmanship or material resulting in the product malfunctioning while under correct use will be rectified.

For refrigerated cabinets with integral or near-remote refrigeration the warranty is extended to THREE YEARS (36 months), for refrigeration condenser units. Conditions apply, see Liability Exceptions.

Liability under this warranty is limited to replacing or repairing a part, without charge.

Continued on next page

Warranty cont.

TOWER SERIES CABINETS - INTRODUCTION

Liability Exceptions

Liability under this warranty does not include:

- Any loss, damage, or expenses directly or indirectly arising from the use of, or inability to use, the product or from any other cause.
 - Any part of the cabinet which has been subject to misuse, neglect, alteration, incorrect installation, accident, or damage caused by transportation, use of abrasive or caustic chemicals, flood, fire or acts of God.
 - Damage, resulting from failure to have the cabinet regularly serviced by a refrigeration engineer:
 - For cabinets with integral or near-remote refrigeration, every three months. NB: You will be required to provide copies of service records in the event of condenser failure.
 - For cabinets with remote refrigeration, annually.
 - Any damage or malfunction, resulting from the use of non-FPG supplied spare parts.
-

Specific Exclusions

The following are specifically excluded from warranty:

- Breakage of glass or plastic components, or the replacement of LED lighting assemblies or gaskets.
 - Maladjustment of the electronic refrigeration controller, by an unqualified person.
 - For cabinets with integral or near-remote refrigeration, failure resulting from a lack of routine condenser / radiator cleaning.
 - Failure to re-assemble the cabinet correctly after cleaning.
 - Fair wear and tear.
-

Assessment

The liability under this warranty is dependent on an assessment by FPG, to determine the defect in workmanship or materials.

Time Limit

FPG does not guarantee that any service to be performed under this warranty will be carried out within any particular time limit.

Caution

FPG will not be held responsible for any servicing costs incurred prior to FPG's acceptance of a warranty claim.

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OPERATION

Cabinet Layout

TOWER SERIES CABINETS - OPERATION

Tower Series Cabinets

The Tower Series cabinets have hinged glass front doors, and closed backs.



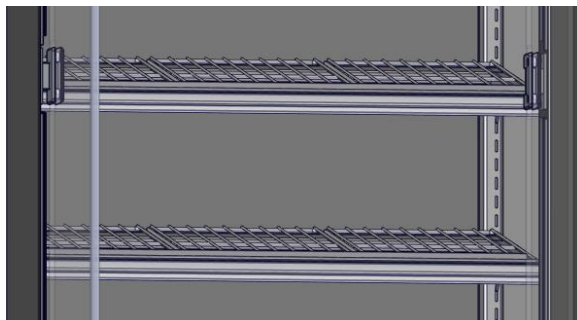
Lighting

All cabinets are fitted with high efficiency LED lights as standard.

Preparation

TOWER SERIES CABINETS - OPERATION

Shelf Location and Ticketing

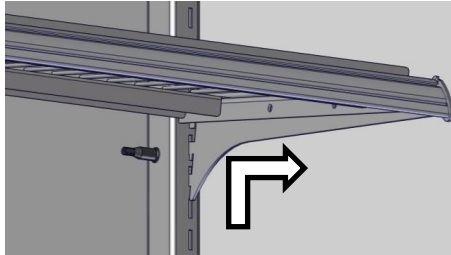


All shelves are adjustable in height and can easily be moved up or down, to match product size.

The permitted movement is restricted to 50mm, because of the electric cables to the lights and air flow considerations.

The front edges of the shelves are profiled to carry ticketing/labels.

Shelf Adjustment



Lift the brackets straight up firmly and then pull the brackets forward, to disengage them from the slots in the support posts.

Insert the brackets into their new position, and push bracket down firmly.

N.B. Make sure brackets are pushed down as far as they can go. Failure to do this may result in shelf collapse, when loaded with product.

Power Supply

Confirm that the local mains supply conforms to that shown on the cabinet serial number label. Connect the power supply lead to a mains socket.

Operating Routines

TOWER SERIES CABINETS - OPERATION

After Hours

If controlled ambient cabinets are not turned off after hours or at night, shut the doors and turn off the lights. The cabinet will then operate on minimum load, and be ready for instant operation when next required.

If cabinets are turned off, to conserve energy, products must be removed and stored at an appropriate temperature.

When turned on again, allow cabinets to run for about half an hour before replacing the products.

Cleaning

Since cabinets need to be switched off during cleaning operations, it is best to clean them at the end of the working day. Cabinets will then have time to recover their normal operating temperature, before replacing the products for the next day's business.

Door Opening

The cabinets are designed to maintain food at the correct temperature with the doors being opened and closed up to 75 times per hour. If the doors are left open for an extended period the temperature will deviate. Once the doors are shut the temperature will take some time to return to the normal operating level. The longer the doors are open the longer the time to restore normal operating temperature.

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CLEANING

Cautions

TOWER SERIES CABINETS - CLEANING

Power **ALWAYS SWITCH THE ELECTRICITY SUPPLY OFF BEFORE CLEANING.**

Water **CABINETS ARE NOT WATERPROOF. DO NOT USE A WATER JET SPRAY TO CLEAN THE INTERIOR OR EXTERIOR OF CABINETS.**

Exterior

TOWER SERIES CABINETS - CLEANING

Metal Surfaces Stainless steel or aluminium surfaces should be cleaned with hot soapy water or a good quality metal cleaning compound. **DO NOT** clean surfaces with abrasive pads or cleaners, as stainless steel and aluminium surfaces will be damaged.

Painted Surfaces Painted surfaces should be cleaned with hot soapy water. Do not use abrasives or strong solvents, because they will damage the surface.

Glass All glass should be cleaned using a good quality glass cleaner and a clean cloth.
DO NOT use abrasive pads or cleaners, because they will damage the surface of the glass.

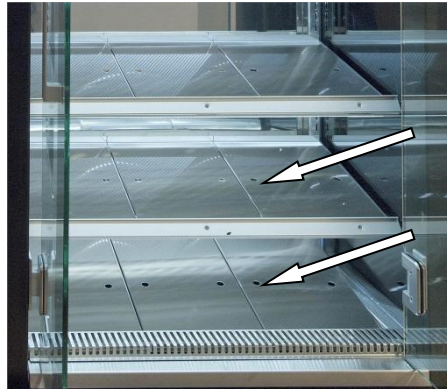
Doors The hinged cabinet doors are not readily removable, and should therefore be cleaned in place.

Louvers Use a vacuum cleaner to remove dust and fluff from all ventilation apertures. This will prevent overheating, and maintain the refrigeration efficiency of controlled ambient cabinets.

Ambient Cabinet Interior

TOWER SERIES CABINETS - CLEANING

Interior of Ambient Cabinet



Using the finger holes, remove the shelf trays and deck trays.

The inside of the cabinet can be cleaned without removing the shelf support brackets.

Clean all brackets and ticketing rails.

Mini Ambient Interior

TOWER SERIES CABINETS - CLEANING

General

In general, cleaning is similar to the Controlled Ambient cabinet, but there is no cooling coil or air circulation fan deck.

Extractor Fan

Keep the extractor fan free of dust and fluff, to ensure correct cabinet operating temperatures.

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TROUBLE SHOOTING

Ambient Cabinets

FAULT	POSSIBLE CAUSE	REMEDY
Cabinet does not operate/start	The mains isolating switch on the wall or circuit breaker are off	Turn isolating switch or circuit breaker on
	Internal fuse has blown	<i>Have wiring checked and replace fuse (5A Slow Blow)</i>
	The main switch on the cabinet is OFF	Switch ON
Cabinet lights not working	The light switch is OFF	Turn light switch ON
	LED power supply has failed	<i>Replace LED power supply</i>
	LED strip has failed	<i>Replace LED assembly</i>
	Fuse has blown	<i>Have wiring checked and replace fuse (5A Slow Blow)</i>

Service Personnel Only The table entries in *italics* indicate actions to be taken only by qualified Service Personnel.

INSTALLATION

Regulations

TOWER SERIES CABINETS - INSTALLATION

Compliance with Local Requirements

It is very important that your inline food cabinet is installed correctly and that the operation is correct before use. Installation must comply with local electrical, health & safety and hygiene requirements.

Setting Up

TOWER SERIES CABINETS - INSTALLATION

Unpacking

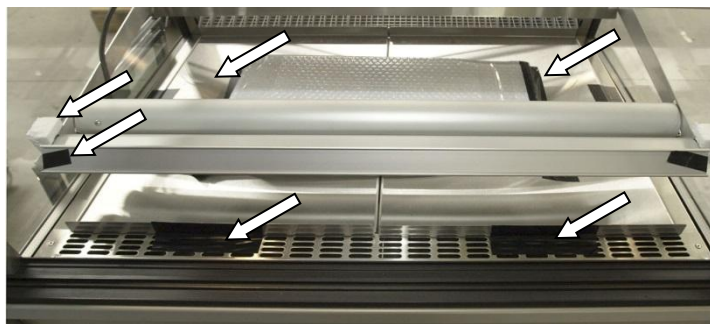
Unpack and check unit for damage and report any damage to the carrier and supplier. Report any deficiencies to your supplier.

The cabinets are supplied fully assembled, with the shelf trays wrapped separately and secured inside the cabinet.

Site Preparation

Position the cabinet in its allocated working position. Use a spirit level to ensure the cabinet is level from side to side and front to back. (If this is not carried out, water may accumulate in the cabinet well of refrigerated cabinets, and uneven temperature distribution could also occur).

Cabinet Preparation



Remove all protective plastic film, tapes, ties and packers, used to prevent movement during transit.

Lift out the deck trays to gain access to the cabinet well. Be sure to replace them correctly.

Shelf Trays

Remove the shelf trays from their packing, peel off any protective plastic coating and assemble them on the support members.

Continued on next page

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Setting Up cont.

TOWER SERIES CABINETS - INSTALLATION

Grounding

WARNING: THIS APPLIANCE MUST BE GROUNDED TO EARTH

The earth lead, in the mains cable, must always be connected to ground.

The earth terminal can also be used to bond the cabinet to a surge grounding conductor or to adjacent equipment.

Isolation

If a plug and socket are used, they should still be accessible after the cabinet is installed.

Location

TOWER SERIES CABINETS - INSTALLATION

Access

The cabinet should be positioned so the operating controls are accessible. The shelves must also be easily reached, for loading and unloading.

SERVICING

Control Gear

TOWER SERIES CABINETS - SERVICING

Location The electrical control gear for the Ambient cabinets is located in the top of the cabinet, and is reached by removing an access panel.
Here will be found a mains fuse and the power supplies for the LED lights.

Lighting

TOWER SERIES CABINETS - SERVICING

LED Strip Replacement

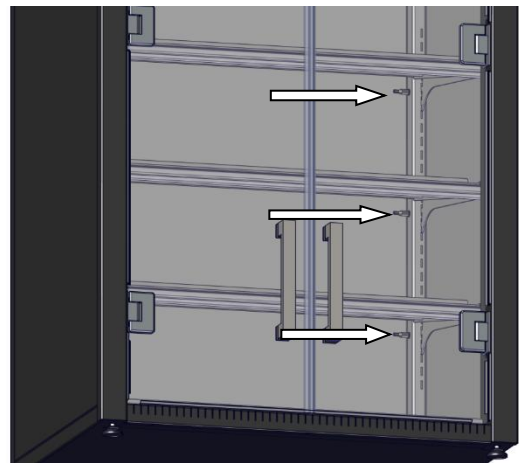
The replacement LED kit consists of an aluminium extrusion with a mounted LED strip and connecting lead, with plug.

Simply unplug the faulty unit, cut the cable ties and replace with the new one.

Secure the LED cable to the support arm and replace the plastic cover.

Note: The top light is hard wired.

Remove the top plate of the cabinet to reveal the supply connection.

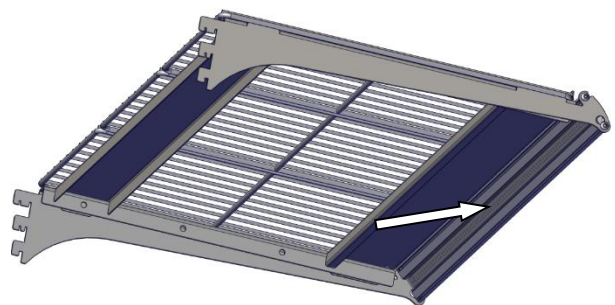


Access to LED Strips

The LED strips are protected with plastic covers. These clip into grooves in the aluminium extrusion.

Remove the plastic cover to access the LED strip.

The top light assembly is similar to the shelf lights, but the correct replacement unit must be used.



LED Strip Replacement

The LED strip cannot be replaced. A complete light unit must be used.

Connection is made with a plug and socket. Unplug the plug from the post and then plug in the replacement unit.

Replace the plastic cover.

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SPECIFICATIONS

Mechanical

TOWER SERIES CABINETS - SPECIFICATIONS

	CABINET MODEL	
	IL-7EL-AT-Axxx	
Height mm	1095	
Width mm	800	
Depth mm	600	
Dry Weight kg	153kg	
Cabinet Well Material	Stainless Steel	
Cabinet Colour	To customer requirements	
Lighting	LED strip	N/A
Glass Type	Toughened	N/A
Doors	Hinged	Drawers
Number of Shelves	3	
Display Area m ²	0.9	
Refrigerant	N/A	
Refrigerant Charge	N/A	
Condensate capacity	N/A	

Electrical

TOWER SERIES CABINETS - SPECIFICATIONS

	CABINET MODEL	
	IL-7EL-AT-Axxx	
Voltage	220-240V 1Φ	
Power	245W	
Current	1.1A	
Connection	3 core cable and plug	
Operating Temp.	Store ambient	
Max. Temp. Range	N/A	
LED lights	4 x strips	

Compliance

TOWER SERIES CABINETS - SPECIFICATIONS

Standards FPG heated, refrigerated, controlled ambient and ambient food display cabinets are designed to meet and exceed:

- International safety standards for electrical appliances: IEC 60335-1, IEC 60335-2-49/89, and the equivalent country-specific standards including AS/NZS, BS EN and UL 471.
- International standards for electromagnetic compatibility/emissions: CISPR 14-1, and the equivalent county-specific standards including AS/NZS CISPR and BS EN 55014-1.
- Essential safety requirements: AS/NZS 3820 and AS/NZS 4417
- Energy efficiency for refrigerated appliances: MEPS (Australia/New Zealand)

Please contact FPG to discuss your requirements for meeting country-specific standards.

Performance Aspects

	Cabinet Operating Temperature	Test Conditions
<i>Heated Cabinet</i>	>65°C	23°C Ambient with 60% RH

Improvements

TOWER SERIES CABINETS - SPECIFICATIONS

On-going Development FPG reserves the right to change specifications and construction, as part of on-going product improvement.

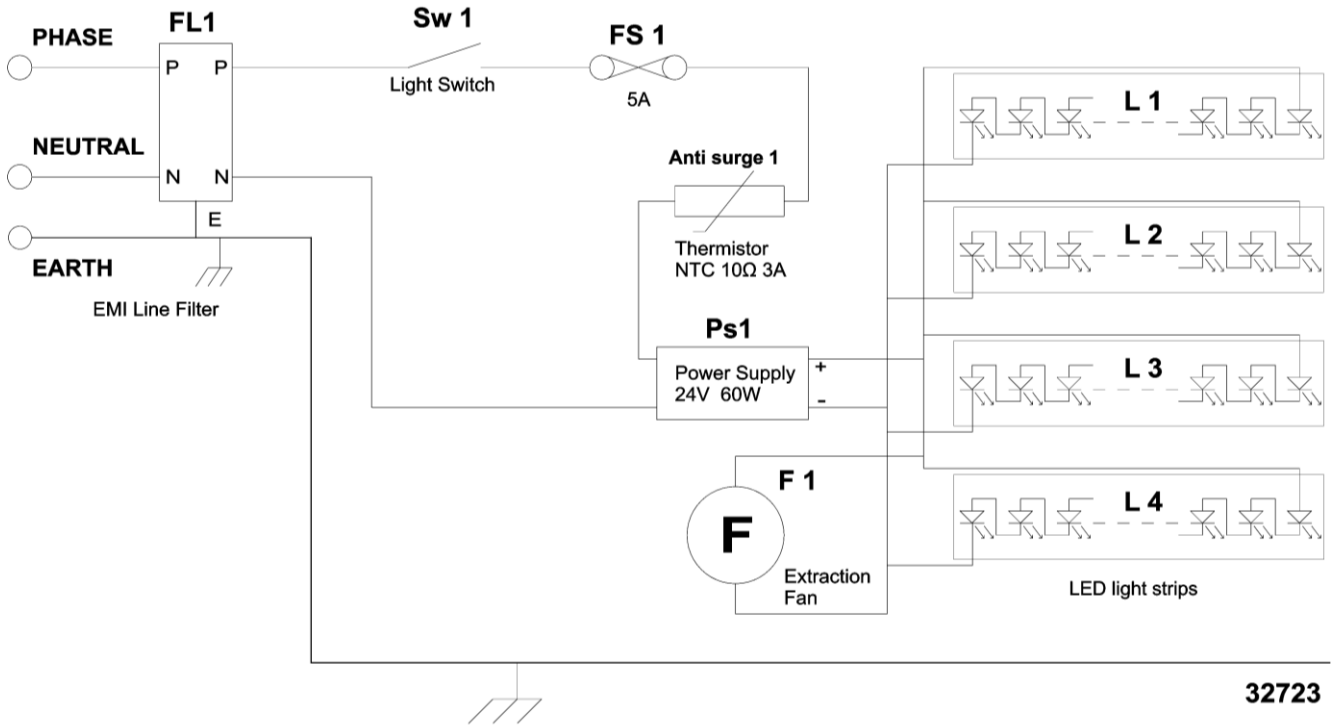
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ELECTRICAL CIRCUIT DIAGRAM

MODEL: IL-7EL-AT-Axxx

Tower Series, 800mm Mini Ambient Cabinet



32723

SPARE PARTS

Cabinet Serial Number

When ordering spare parts, it is important to quote the Serial Number printed on the label fixed to the control panel. This will enable FPG to trace details of the build specification of your particular cabinet, and hence ensure that spare parts are fully compatible.

To satisfy warranty conditions, and ensure optimum performance, use only FPG supplied spare parts.

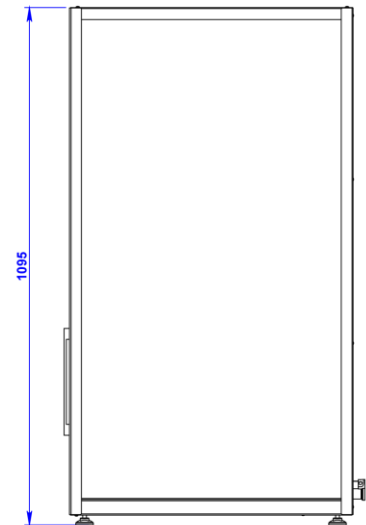
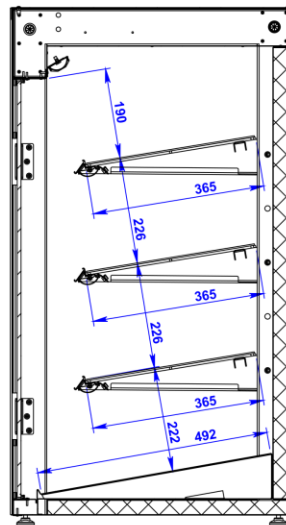
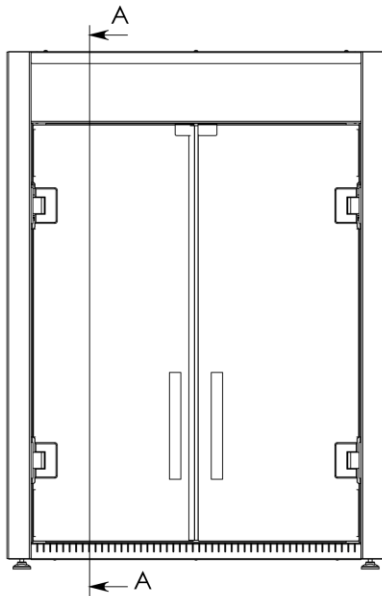
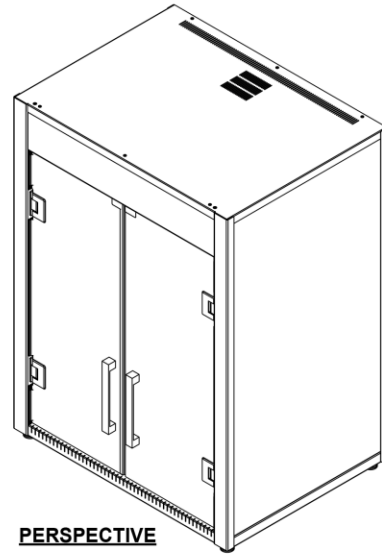
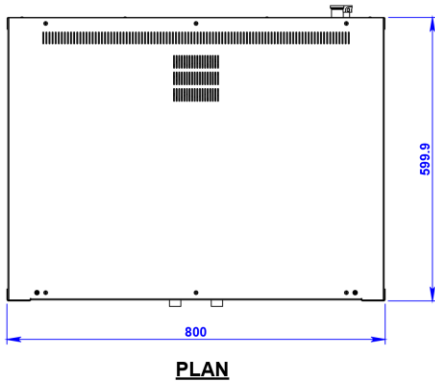
Part Description	FPG Part No.
Light Switch SPST 10A 250V	15811
Polycarbonate Light Cover 660mm	65721
Polycarbonate Light Cover 720mm	29404
24V 100W LED power supply	30086
Anti-surge thermistor 10 Ohm 3A	22354
Top/Shelf Light Replacement Kit, Ref/Amb	69492
Extraction Fan 24V dc 119mm	30172
Left front door, mini ambient cabinet	66344
Right front door, mini ambient cabinet	66345
Magnetic door-catch keeper plate	13383
Door handle	30512
Door hinge	29516
10mm plastic fin seal for 8mm glass doors	29513
Product Manual for Ambient Tower Series Display Cabinets	34431

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MECHANICAL DRAWINGS

IL-7EL-AT-Axxx



Revision History

Revision Level	Date of Change	Change Details
A	20/05/26	Created new manual

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In line with our policy to continually develop, improve and support our products, Future Products Group Ltd reserves the right to change specifications and design without notice.

Have a question? Please email us at: sales@fpgworld.com or visit www.fpgworld.com for full contact details for your region.

Worldwide
contact
details:

