This manual is being updated.

THE BIG ORCHARD · PRODUCT MANUAL

Priory BEAM Light Box

Desk-top BEAM LED light box on the welded steel Priory frame, adjustable from flat up to 45°. BEAM-TEC models add a parallel motion. A1 and A2. This manual covers every size.

Covers models: PBM-A1, PBM-A2, PBT-A1, PBT-A2

ADJUSTABILITY

Working angle (Priory frame)

The frame sets the light box at a choice of working angles from horizontal up to 45°. When closed, the frame holds shut (retaining magnetic catch) for storage or transport.

> For a demonstration of the angle positions, please contact The Big Orchard on +44 (0)1924 291333 or sales@thebigorchard.com.

Parallel motion (BEAM-TEC models)

A glass screen is recommended with a parallel motion, as it prevents the straight edge from scratching the acrylic over time.

> For adjusting the parallel motion, please contact The Big Orchard on +44 (0)1924 291333 or sales@thebigorchard.com.

Brightness (light box)

Connect the light box to the mains via the power supply provided. When the power is connected correctly, the front-facing switch illuminates.

Short press	Screen on / off (resumes at previous brightness)
Long press, screen on	Brightness changes between 10% and 100% while held. Direction alternates between presses.
Long press, screen off	Brightness increases from 10% while held.
Screen off / on	Switch lit at 50% / 100%
Max / min reached	Switch flashes

If your light box has a separate rotary dimmer dial: a short press of the switch turns the screen on or off, and rotating the dial sets brightness from 0% to 100%.

CARE AND CLEANING

1. Clean regularly with a microfibre cloth to keep the screen and body finish at their best.
2. Use only mild, non-abrasive surface cleaner or alcohol-based cleaning fluid (IPA).
3. If no glass screen or screen protector is fitted, avoid using metal tools on the surface.
4. Avoid scraping the acrylic screen / diffuser.
5. Use only with the power supply provided or an equivalently rated unit.

PARTS OVERVIEW

- BEAM LED light box: HPL chassis, aluminium corners, white finish
- Touch-sensitive stainless steel dimmer with illuminated (blue) bezel
- Welded steel Priory frame (black) with angle adjustment
- Glass or acrylic screen
- Parallel motion (BEAM-TEC only)
- External 24 V desktop power supply

ASSEMBLY AND SETUP

Supplied fully assembled. Open the frame, set your angle and connect the power supply provided.

SAFETY

Indoor use only. Use only with the power supply provided or an equivalently rated unit. Operating temperature −5 °C to 45 °C.

> **White light.** The white light this product can produce is very bright.

Eye protection guidelines

- Set the light box to the minimum brightness needed for the task.
- Mask off unused areas of the illuminated surface to reduce excess exposure.
- Keep a reasonable working distance from the illuminated surface.
- Consider blue-light goggles or sunglasses to help minimise exposure.
- If you have concerns, a hand-held light meter will show how much light your eyes receive in your application.

SIZES AND SPECIFICATIONS

Code	Model	Working area	Screen	Light output	Power	Weight
PBM-A1	A1 Priory BEAM	—	—	—	3.6 Amp	—
PBM-A2	A2 Priory BEAM	—	—	—	1.8 Amp	—
PBT-A1	A1 Priory BEAM-TEC	—	Glass	—	1.8 Amp	—
PBT-A2	A2 Priory BEAM-TEC	—	Glass	—	1.8 Amp	—

DECLARATION OF CONFORMITY

This product bears the CE marking and complies with the Low Voltage Directive 2014/35/EU, the Electromagnetic Compatibility Directive 2014/30/EU and the RoHS Directive 2011/65/EU as amended by Delegated Directive (EU) 2015/863.

Conformity assessment	Internal production control (Module A)
Power supply	External Mean Well desktop power supply, supplied unmodified

A signed copy of the Declaration of Conformity is available on request from sales@thebigorchard.com.

DISPOSAL (WEEE)



The crossed-out wheeled bin symbol means this product must not be disposed of with household waste. Take it to a collection point for the recycling of electrical and electronic equipment, or return it to the manufacturer.

Construction materials: glass (if fitted), acrylic, high pressure laminate (HPL), aluminium, polyethylene, 304 stainless steel, PCB components, copper wiring with PVC sheath.

WARRANTY

Warranty: 7 years from date of delivery (BEAM warranty certificate).

Covered	Manufacturing defects, including anything broken or damaged in transit which renders the light box unusable. Electrical faults which interfere with the normal operation of the light box. Power supply failure if not damaged by overload or misuse.
Not covered	Accidental or intentional damage to the screen, switch or carcase. Defects due to normal wear.
Repairs	If a defect is covered, we will arrange a free-of-charge factory repair or like-for-like replacement at our discretion, and cover any shipping costs.

If you have any issue with your product, get in touch and we will help get you up and running.

CONTACT

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Paper copy of this manual free on request. If you have any issue with your product, get in touch and we will help get you up and running.