This manual is being updated.

THE BIG ORCHARD · PRODUCT MANUAL

Ackworth BEAM Light Table

A1 floor-standing light table: a BEAM LED light box on the fully adjustable Ackworth steel A-frame stand, which folds away for storage or transport. The BEAM-TEC model adds a parallel motion.

Covers models: ABM-A1, ABT-A1

ADJUSTABILITY

Height and angle (A-frame stand)

1. Slacken the knobs on the stand.
2. Set the height and working angle you want. The quadrant rotates with the board.
3. Retighten the knobs.

> For the exact height and angle range of the stand, please contact The Big Orchard on +44 (0)1924 291333 or sales@thebigorchard.com.

Parallel motion (BEAM-TEC model ABT-A1)

The aluminium straight edge has a precision-machined 15 mm transparent acrylic blade, with a rebated underside for ink pens.

> 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

- A1 BEAM LED light box with glass screen
- Integrated dimming control
- Ackworth steel A-frame stand with knobs and quadrant
- Parallel motion (BEAM-TEC only)
- External 24 V desktop power supply

ASSEMBLY AND SETUP

Supplied fully assembled. The stand can be folded away or detached for transport or storage.

Fitting the Ackworth stand to the light box

1. Place the light box screen down on a clean table or floor and unwrap it to give access to the holes in the rear battens.
2. Screw the two quadrants to the battens, with the knobs facing the short sides of the light box.
3. With the top rail towards you and the switch away from you, slacken the knobs slightly and slide the stand on, with the longest tubes towards you.
4. Screw in the two M8 knobs, then tighten all four knobs.
5. Stand the table upright and open the legs out.
6. Slacken the knobs to adjust the working angle.
7. Use the cable ties supplied to attach the power supply where needed.

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.

- Retighten the knobs after every adjustment.

SIZES AND SPECIFICATIONS

Code	Model	Working area	Screen	Light output	Power	Weight
ABM-A1	A1 Ackworth BEAM Light Table	860 x 620mm Edge-To-Edge Screen	Glass Screen	6,398 lumens	3.6 Amp	—
ABT-A1	A1 Ackworth BEAM-TEC Light Table	860 x 620mm Edge-To-Edge Screen	Glass Screen	6,398 lumens	3.6 Amp	19kg

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.