ORCHARD

BEAM · PRODUCT MANUAL

# A1 BEAM LED Light Box

Model: BBA1-WW

Paper copy free on request: sales@thebigorchard.com

## SETUP

1. Connect your light box or table to the mains via the power supply provided.
2. When the power is connected correctly, the front-facing switch will illuminate.
3. Press the front switch to light the screen. Unless your product has a separate rotary dimmer dial, the front switch also controls brightness.

| Operation (without rotary dimmer) | |
|---|---|
| **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** | Switch lit at 50% |
| **Screen on** | Switch lit at 100% |
| **Max / min reached** | Switch flashes |

| Operation (with rotary dimmer) | |
|---|---|
| **Short press** | Screen on / off (resumes at previous brightness) |
| **Rotate dimmer dial** | Set brightness from 0% to 100% |

## SAFETY

Indoor use only; use only with the supplied power supply and do not look directly at the screen at full brightness for long periods.

> **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.

### Use conditions

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

## SPECIFICATIONS

| | |
|---|---|
| **Product** | A1 BEAM LED Light Box |
| **Model** | BBA1-WW |
| **Rated input** | To be confirmed |
| **Power supply** | External Mean Well desktop power supply, supplied unmodified |
| **Size (unboxed)** | 860 x 620 x 62 mm |
| **Weight (unboxed)** | 8.4 kg |
| **Product page** | www.thebigorchard.com/shop/beam-box/a1-beam-box/ |
| **Use** | Indoor, −5 °C to 45 °C. Industrial light box / light table for inspection and assembly. |
| **Materials** | Glass (if fitted), acrylic, high pressure laminate (HPL), aluminium, polyethylene, 304 stainless steel, PCB components, copper wiring with PVC sheath |
| **Serial number** | Engraved on the rating label |

## CLEANING & CARE

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. Welds are continuous and ground smooth where practical, with minimal dirt traps. Suitable for wipe-clean and light washdown use; sealed against normal dust and water spray in industrial environments.

## 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.

## DECLARATION OF CONFORMITY / DOWNLOADS

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) |
| **Manufacturer** | The Big Orchard Ltd, 1 Union Square, Wakefield, West Yorkshire WF1 1TT, United Kingdom<br>www.thebigorchard.com |

The downloadable PDF manual includes the signed Declaration of Conformity on its last page. Paper copies, and the power supply manufacturer's documentation, are available on request from sales@thebigorchard.com.

## CONTACT

**Paper copy free on request:** sales@thebigorchard.com

| | |
|---|---|
| **Manufacturer** | The Big Orchard Ltd, 1 Union Square, Wakefield, West Yorkshire WF1 1TT, United Kingdom |
| **Email** | sales@thebigorchard.com |
| **Phone** | +44 (0)1924 291333 |
| **Web** | www.thebigorchard.com |

Warranty: 7 years from date of delivery (BEAM warranty certificate). If you have any issue with your product, get in touch and we will help get you up and running.

The Big Orchard Ltd, 1 Union Square, Wakefield, West Yorkshire WF1 1TT, United Kingdom · www.thebigorchard.com · sales@thebigorchard.com

# CE DECLARATION OF CONFORMITY

Manufacturer: The Big Orchard Ltd, 1 Union Square, Wakefield, West Yorkshire, WF1 1TT, United Kingdom
Product: BEAM Light Box or BEAM Light Table
Type / size: A4, A3, A2, A1, A0, 2A0, 3m x 2m, custom size
Serial number: **1350 - 2175 and 33500/* onwards**
Year of manufacture: 2018 onwards

**Intended use:**
Industrial light box for inspection / assembly.

**Power supply:**
External Mean Well desktop PSU supplied unmodified with the product light box.

**Relevant statutory requirements:**
1. Low Voltage Directive 2014/35/EU
2. EMC Directive 2014/30/EU
3. RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863

**Conformity assessment:**
Conformity assessment: Conformity assessed by internal design review and testing against the essential requirements of the above directives.

**Declaration:**
We declare under our sole responsibility that the product described above is in conformity with the relevant provisions of the above EU directives.

**Matthew Tindall**
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Managing Director
The Big Orchard Ltd

16th June 2026
Wakefield