

B BLAST PRO

USER MANUAL



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THE B BLAST PRO USER MANUAL

Introduction

Thank you for purchasing this Luxibel B BLAST PRO.

Flexibility is at the heart of Luxibel's philosophy. Luxibel specializes in creating innovative lighting fixtures for the entertainment industry. Typically, these fixtures are versatile, suitable for multiple applications including rigging and transport. This versatility ensures that customers who invest in Luxibel products receive high-performing luminaires and an optimal return on investment. The 'X' in Luxibel symbolizes this flexibility.

This user manual (hereinafter referred to as "Manual") is intended to be used as work of reference for professional, well trained and authorized users to be able to safely install, use, maintain and repair the product mentioned on the cover of this document (hereinafter referred to as the "Product"). The observation of the Manual does not dispense the user from the observance of the local safety instructions and regulations other than provided by the Manual. Such safety instructions and regulations must be observed at all time.

For information about specific adjustments, maintenance or repair jobs which are not dealt within this manual, please contact your Product supplier or Luxibel. If you suspect that the Product is damaged or detect a potential or actual danger when using the Product, immediately discontinue use of the Product and contact your supplier. To ensure the safe use of the Product this Manual must always be kept with the Product in legible condition.

Disclaimers

Luxibel, AED Distribution NV, with registered office at Bedrijvenpark De Veert 13/4, 2830 Willebroek (Belgium), or any of its affiliates, does not accept any liability for material damage, including damage to the Product, or personal injury caused by non-observance by the user of the safety instructions in the Manual or the applicable laws. As such Luxibel shall among others not be liable for any damage or injury if the Product is used contrary to or for purposes other than its intended use, is installed, used, maintained or repaired negligently or contrary to the instructions mentioned in the Manual or on the Product, when the Product is modified and when the safety devices and features of the Product are disregarded or overridden.

Intended use

This system is intended for use by trained personnel for professional applications. The Product is not intended to be used by minors. Any use, regardless whether or not under the supervision of an adult, is at own risk.

Revision history

Version number	date	update
V1.0	19/09/2024	Initial version
V1.1	29/04/2026	Corrected table of contents

Contact details Manufacturer

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Manufacturer's declarations

EU declaration of conformity



Licenses and credits

GENERAL SAFETY INFORMATION AND GENERAL SAFETY INSTRUCTIONS

For your own safety, please read this instruction manual carefully before turning on the product for the first time.

Warnings

Always take note of any information marked with the CAUTION or WARNING symbol.










The signal word WARNING points out the potential risk of serious injury.



The signal word CAUTION points out the potential risk of slight injury. The CAUTION symbol is used to draw attention to circumstances which could cause the machine to become damaged.

Safety features & devices of the Product

The pictograms, warnings and instructions attached to the Product are part of its safety features. They must not be covered or removed and must be present and legible during the entire use of the Product. Immediately replace or repair missing, damaged or illegible pictograms, warnings and instructions.

	The products referred to in this manual conform to the European Community Directives and are therefore marked with CE logo.
	Before operate this unit, please carefully read this users guide and keep if needed in future.
	The device can only run with 240V voltage, 50/60 Hz power, don't connect to any other wrong power source.
	Safety I class device, need to be earth connected.
	Keep this device away from children and unauthorized users, the manufacturer will not take responsibility for the damage due to any disregard of the information provided in this manual and wrong operation.
	Don't put or install the device on a surface that subject to vibration or bumps.
	Do not stare at the operating light source

Modification

Under no circumstances any modification of the Product may be done by any person other than Luxibel.

Other safety notes

Errors caused by not following these instructions are not covered by the warranty. The manufacturer will not accept liability for any resulting defects or problems.

- Keep the unit away from radiators or other heat sources.
- If the unit has been exposed to tremendous temperature changes (e.g. after transportation), do not turn the device on immediately. The resulting condensation could damage the unit. Don't switch the unit on until the device reaches room temperature.
- This device belongs to protection class I. Therefore, it is imperative that the green/yellow wire is connected to the earth contact or plug. The electrical connection must be made by a qualified person.
- Make sure that the cable has never been squeezed or damaged by sharp objects. Check the device and the power cable regularly.
- If the cable is damaged, it must be replaced immediately by the manufacturer, it's a service agent or qualified person in order to avoid danger.
- Ensure that wires never come in contact with other wires! Handle the power cord and all connections with caution.
- Make sure that the line voltage is not higher than the voltage specified in this manual.
- Disconnect the unit from the AC mains when it is not in use or when cleaning it.
- The plug on the power supply cord is used as disconnect device, the socket-outlet shall be easily accessible.
- Don't open the product, it contains no user-serviceable parts.
- Don't look at the light source when the product is on.
- Do not leave any flammable material within 20cm of this product while operating or connected to power.
- Only use the handles to carry this product.
- Risk of burns.
Do not touch the unit during operation! The housing may reach high temperatures!
- Risk to health.
Never look directly into the light source. Especially epileptics risk an epileptic shock. Disconnect the unit from the AC mains when not in use or when cleaning it.
- Always use the official baseplate for the B BLAST PRO when operating the unit on the ground, when stacking more than one unit, use two baseplates in the double baseplate configuration.
- Do not stack multiple B BLAST PRO units when wind speeds exceed 75 km/h.
- Avoid contact with or close proximity to the moving parts of the B BLAST PRO to prevent injury or damage.
- The luminaire should be positioned to ensure that prolonged staring into the light, at distances closer than 12 meters, is not possible.

TECHNICAL

Physical

Net weight 11.1 kg | 24.5 lbs
 Gross weight 14 kg | 30.9 lbs
 Dimensions (WxHxD) 1070 x 85 x 238 mm | 42.1 x 3.35 x 9.37 in

Mounting options

Hanging options 2x Omega bracket with 2x 1/4 turn quick-lock fastener and 13mm hole / 2x Tilt brackets / 1x B BRACKET PRO / 1x Shape bracket
 Locking system Built-in for horizontal/vertical

Optical

LED Engine 120x 5W CW & 120x 0,6W RGB
 Beam angle 90° CW Fixed / 120° RGB Fixed
 Colors RGB + CW
 Refresh rate 3.000 Hz - 6.000 Hz - 12.000 Hz - 24.000 Hz
 Strobe 0 - 25 Hz
 Dimming curves 4
 Dimming modes 8-bit RGB / 16-bit CW

Control

Display 4x touch buttons
 Control single mode DMX512, Art-net, sACN, Kling-Net 3.0
 Control dual mode DMX + Art-net, DMX + SACN, DMX+ Kling-Net 3.0
 In/link 2x IP65 XLR5 pin / 2x IP65 Ethercon
 DMX Mode 5/10/36/52/126/390/400 channels

Electrical

Fixture rated power 800W
 Input power 100 - 240V – 50/60 Hz – Auto switching power supply
 In/link Powercon TRUE1
 Power factor 0,96

Environmental

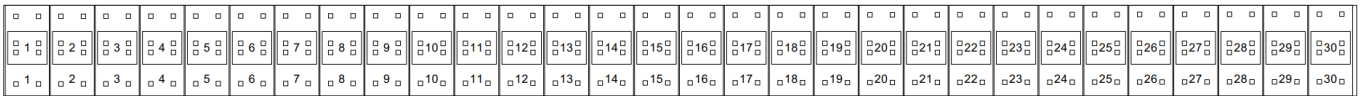
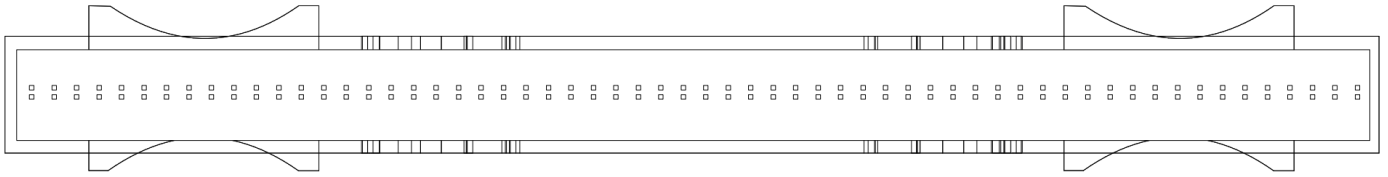
IP Rating IP65

Control panel description

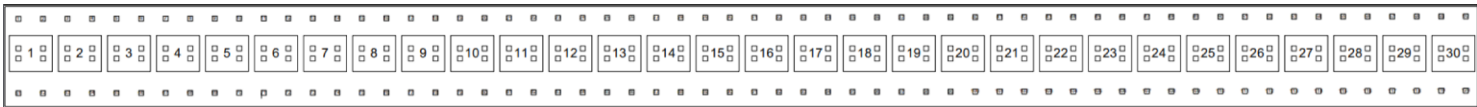
Menu	Exits from the current menu or function.
Up	Navigates upward through the menu or increases the numeric value when in a function.
Down	Navigates downward through the menu or decreases the numeric value when in a function.
Enter	Enables the selected menu or sets the selected value in to the current function.

Pixel Control

126 Channel Mode

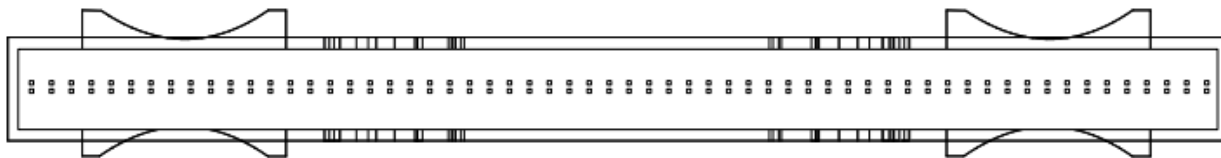
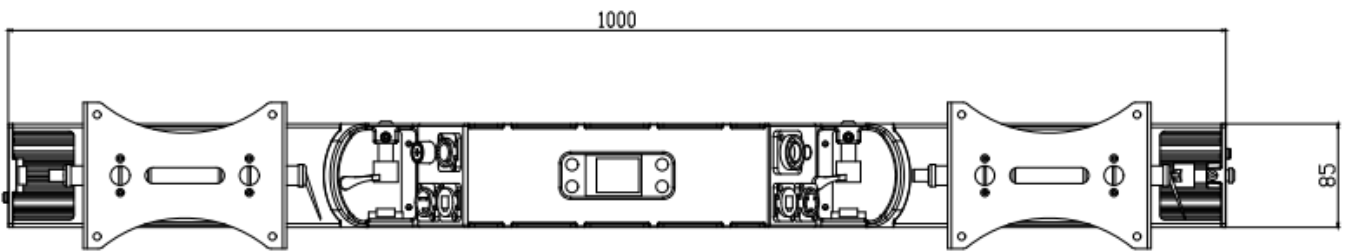
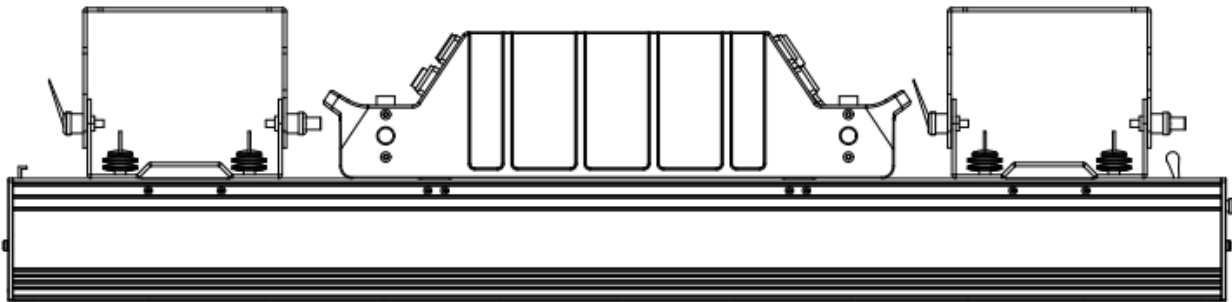


390 Channel Mode



Dimensions drawing

Dimensions shown in mm.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

HANDLING AND COMMISSIONING

Remove the shipping assembly

Before unpacking the fixture, please make sure that the packaging is in good condition and that following items will be found in the box:

- 1x Luxibel B BLAST PRO fixture
- 1x Powercon TRUE 1 male connector
- 1x Powercon TRUE 1 female connector
- 2x Omega Bracket
- 2x Tilt Bracket

- 1x Shape Bracket

- 1x Omega Bracket Pro

Remove the tape from the box and open the box. Take the unit out and remove the plastic foil around the unit. Make a visual inspection of the unit. Please check condition of units while unpacking, if any damages occur, the unit must be repaired/replaced before it can be used. Please contact your local distributor for service. If units are damaged and still used, Luxibel cannot be held liable for any risk/danger or occurrence given by these damaged units.

INSTALLATION

There are specific regulations like BGV C1 (old VBG 70) or country related regulations which need to attend during the installation. The installation has to be handled by skilled persons only!

Suspension device has to be built and calculated in order to handle up to 10 times its specific load limit over a time of one hour without permanent or harmful deformation.

Installation has to be done with the Luxibel Safety Chain.

Trespassing the danger zone below the installation during the assembling is prohibited.

Installer has to take care of all safety and machinery installations are approved by authorized persons before first operation or after changes before restarting.

Installer has to take care of all safety and machinery installations are approved by skilled persons at least once a year.

Installer has to take care of all safety and machinery installations are approved by authorized persons every four years during the acceptance inspection.

Attention

Installation overhead needs a high level of experience. This includes (but is not just limited to) calculation and definition of load capacity, used installation material and regular safety inspections of used material and the fixture itself. Never try to do the installation by yourself if you are not qualified, instead you have to instruct a skilled installer. Inappropriate installations can cause injuries and/or damage of property.

Assure the specified safety distances to flammable material

Attach the spotlight with its yoke and the use of a suitable hook/clamp to your truss system. The therefor used opening has a diameter of about 12 mm. According to your installation also similar but approved suspension devices are possible.

When installing the spotlight overhead make sure to safe the fixture by a safety chain which is specified at least with a load limit of 12 times of the spotlights weight. Only safety chain with approved connective can be used. Attach the safety chain to its designated opening and attach it to the truss system or a similar and safe attachment point. Assure to close the fasteners as specified.

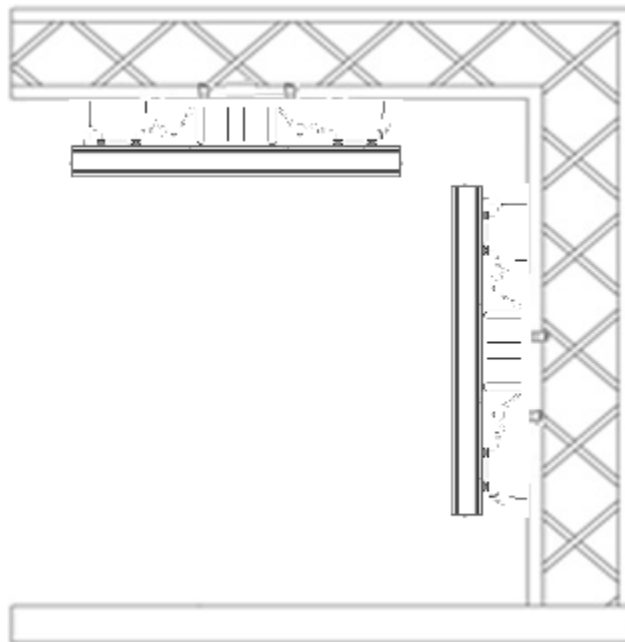
To adjust the angle of the fixture open the locking screw, set the fixture in its position and close it by hand.

Installation of the B BLAST PRO

The device could be either put on a solid and even surface, or mounted upside down or sideways like left picture.

Hanging

The mounting place must be sufficient stable and be able to support a weight of 10 times of the unit's weight. When the fixture is hanged, always additionally secure the device with the safety chain, fasten the safety rope at a suitable position so that the maximum fall of the projector will be 20 cm. The safety cable must loop around the mounting structure only once; it must not be wrapped around it more than once. The safety cable cannot be choked around the mounting structure, both ends need to be fixed to the B BLAST PRO itself.



Standing

The B BLAST PRO can stand on its own when mounted on the Tilt Bracket using the I0062589 – Floorstand Bracket.

OPERATION

Powering on/ off Start-up procedure:

Step 1:

Insert the True1 connector into the 'In' socket of your Luxibel device.



UNIQUE FEATURES

Remote Device Management (RDM)

RDM, which stands for *Remote Device Management*, enables users to remotely control devices. This feature allows users to perform tasks such as changing the DMX address, monitoring key parameters (e.g., temperature, power consumption, and fan speed), and accessing other critical device information. Each device is assigned a unique RDM identifier before leaving the factory to ensure individual recognition. It is generally not recommended to alter this identifier without proper authorization or necessity.

SAFETY REGULATIONS

- **WARNING!** To reduce the risk of fire or electric shock, do not expose this device to rain or moisture → if speakers are exposed to rain or moisture, use fitted rain protection found in the AED catalogue.
- **WARNING!** Make sure that no water or moisture can be found around the speaker, power port, or surrounding area: If water or moisture can be found around these areas, remove it with a soft dry cloth and allow to dry at room temperature. Once everything is completely dry you can start charging again.
- **WARINING!** Make sure that no foreign substances can be found around or on the TRUECON connector or socket: If the speaker becomes dirty, clean thoroughly before using or powering on.

MAINTENANCE

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean all lighting products at least once a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow instructions below.:

- Unplug the product from power.
- Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surfaces / vents.
- Clean all transparent surfaces with a mild soap solution.
- Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
- Soft drag any dirt or grime to the outside of the transparent surface.
- Gently polish the transparent surfaces until they are free of haze and lint.

Operation only allowed to qualified person, damages due to unprofessional operation or remove of any parts inside will not be considered in warranty service. There are no serviceable parts inside the device or package, service only leaves to authorize dealers.

TROUBLESHOOTING AND REPAIR

Troubleshooting

Problem	Fault message	Solution
The unit will not turn on	n/a	<ul style="list-style-type: none"> - Connect the power plug to the outlet - Try another power cable - Check if the power socket have power - Contact AED Repair
LED off	Temperature protection, Fan not working, Faulty LED, Dimmer and strobe set at 0, Faulty power supply	<ul style="list-style-type: none"> - Check Error Log - Check the temperature from menu - Check the fan speed info from menu - Contact AED Repair
Device not response to DMX	Faulty communication IC, Faulty Main PCB, Wrong DMX addressing, Faulty DMX cable	<ul style="list-style-type: none"> - Check the address and setting - Change to a good DMX cable - Contact AED Repair

Repair

If the Product is damaged or malfunctions, contact the Luxibel Service Department or a Luxibel authorized distributor. Repairs by parties other than Luxibel or a Luxibel authorized distributor may not involve the use of Luxibel genuine parts and may affect the safety and functionality of the Product. For repair options or specific inquiries, please contact the Luxibel Service Department.

Contact details certified repair center

AED Repair

Bedrijvenpark De Veert 11,
2830 Willebroek – Belgium

Mail: info.repair@aedgroup.com

<https://www.aedgroup.com/en/services/aed-repair>

NOTES

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The information given in this manual has been collected for the general convenience of our customers. It has been based on general data pertaining to construction material properties and working methods known to us at the time of issue of the manual and is therefore subject at any time to change or amendment, and the right to change or amend is hereby expressly reserved. The instructions in this manual only serve as a guideline for installation, use, maintenance and repair of the product mentioned on the cover page of this document. This manual is to be used for the standard model of the product of the type given on the cover page. Thus the manufacturer cannot be held responsible for any damage resulting from the application of this manual to any other product.

This manual has been written with great care. However, the manufacturer cannot be held responsible, either for any errors occurring in this manual or their consequences.