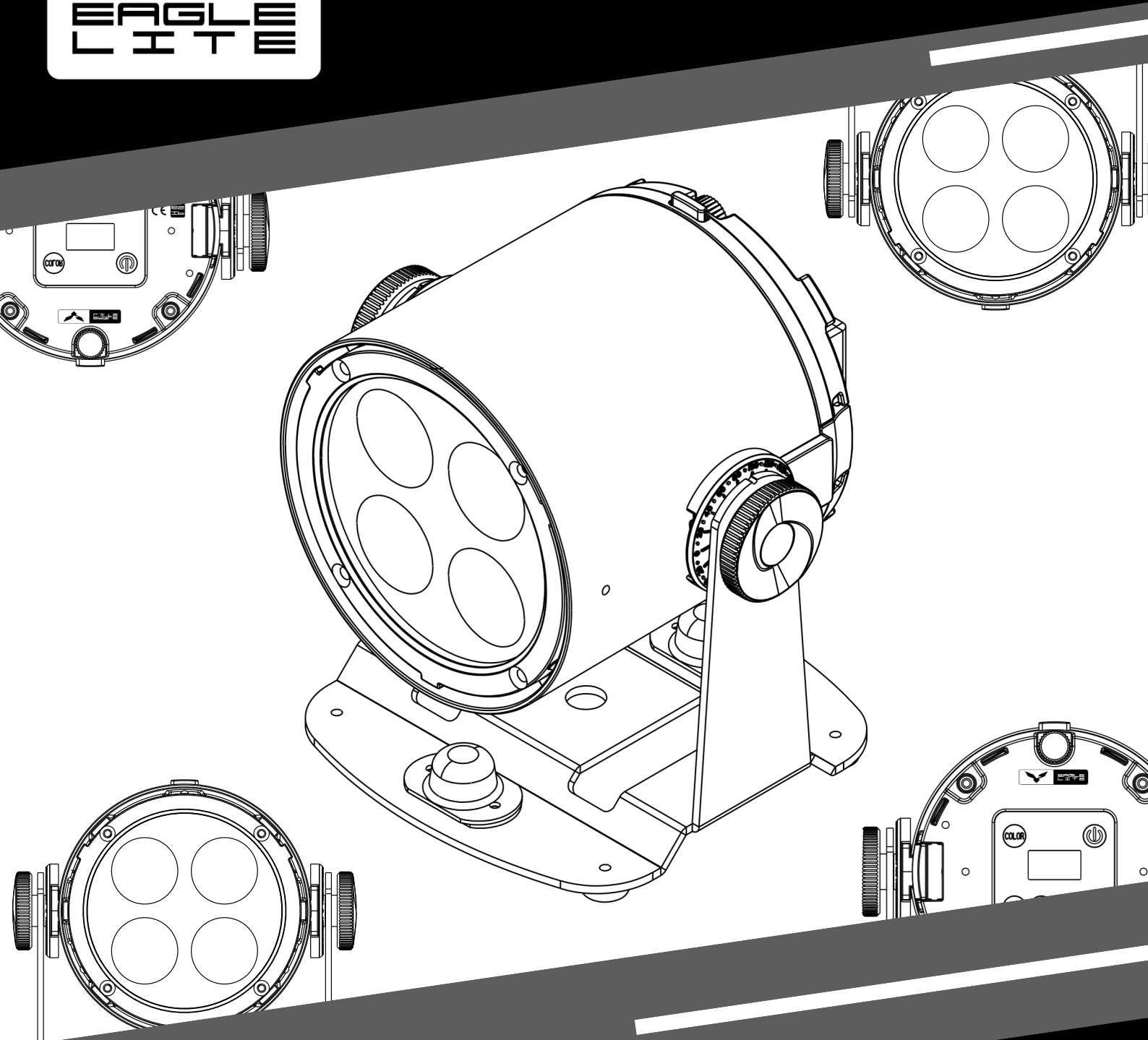


LUMO B4

4X20W RGBL IP65 BATTERY UPLIGHT
CRMX, W-DMX & VISION APP



WWW.EAGLELITE.EU



INFO@EAGLELITE.DK





LUMO B4
4x20W RGBL
IP65 Battery upright
NO.: 700120

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Product info

Thank you for purchasing our Eagle Lite UP. The manual below will go through the product's features and functions

Product features

LUMO B4 is a compact IP65-rated battery-powered RGLB upright designed for professional events, rental Thank you for choosing the Eagle Lite LUMO B4. This manual is designed to provide you with all the necessary information to understand, set up, and operate your new IP65 battery-powered RGLB fixture safely and effectively. The LUMO B4 is a compact and versatile professional lighting fixture, engineered for events, rental applications, installations, and outdoor environments where flexible wireless operation and high-quality color performance are required

- **Powerful Light Source:** Equipped with 4 × 20W RGLB LEDs for high-output color mixing with saturated colors and clean white tones.
- **IP65 Rated:** Protected against dust ingress and low-pressure water jets, making it suitable for both indoor and outdoor use.
- **Wireless Control:** Supports LumenRadio CRMX / W-DMX wireless control for fast and cable-free setup.
- **Vision App Control:** Compatible with Vision App control for simple wireless setup and fixture operation.
- **Flexible DMX Control:** Multiple DMX channel modes are available for both simple control and advanced programming.
- **Dynamic Effects:** Features built-in color macros, fade effects, automated programs, and adjustable strobe functions.
- **Smooth Dimming:** Includes 16-bit dimming and selectable dimmer curves for smooth intensity control.
- **Selectable PWM:** User-selectable refresh rates allow the fixture to be adapted for camera and broadcast applications.
- **Battery Operation:** Built-in lithium battery provides up to 19 hours of operation depending on selected power mode and usage.
- **Silent Performance:** Fanless cooling ensures completely silent operation, ideal for events, broadcast, theatre, and noise-sensitive environments.
- **Flexible Mounting:** Self-standing yoke base with 360° tilt, M10 mounting point, and quarter-turn locks for versatile positioning.
- **Accessory Ready:** Compatible with optional magnetic frost filters, barndoors, decorative tubes, covers, and charging accessories.



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General information before use



Responsibility and attention are requested when using the device.

With high-voltage electricity, there is a risk of shock when touching exposed wires.



Risk of eye injury

Never look directly into the light source. Always wear protection if it is necessary to look directly into the light source.



Always check that you are using the product correctly!

Correct voltage according to the specifications stated on the device or manual. Make sure the unit is always grounded. Never open the unit before the power is disconnected! Check periodically that the cord is not pinched or damaged of any kind. Always check the device and cord time to time. When replacing a fuse, it must be replaced with the same type and rating.



Always read the manual before use

For your own safety and understanding of the device, we strongly recommend that the manual is read through before using the product. Always read warnings and recommendations before use.



Hot Surface Warning

This symbol indicates that the device may become hot in certain places on the device. The device may become hot during use. Therefore, it is recommended that you let the device cool for a minimum of 10 minutes after use. This avoids injury and takes the best care of the device.



Should only be operated by qualified persons.

We strongly recommend that all persons who will use the device do the following, read the manual before using the device, are qualified to use the device, and can rig equipment safely.



Responsibility and attention when using devices with lithium batteries

In the event of an accident or other case of overheating, one must be extremely aware that lithium batteries are extremely dangerous. In the event of a fire or similar, authorities must be notified of these.



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Safety Instructions & Usage Guide



Frequency Interference

This device emits electromagnetic signals, which may cause interference due to the overlap of radio waves. Do not use the device in places where the use of wireless devices is prohibited.



Safe Power

Before connecting the device, make sure that the input voltage (AC plug) matches the voltage rating of the unit and that the AC plug is protected by an RCD. Failure to do so may result in damage to the device and possibly injury to the user. Unplug when storms occur and when the unit is not used for long periods of time to reduce the risk of electric shock or fire.



Ensuring correct polarity when changing the battery

Incorrectly inserted batteries may damage the device or batteries. Be sure to observe the correct polarity when inserting the batteries.



Attention to lithium batteries

If a leak is discovered on the device's battery, it must be removed as soon as possible, this should only be replaced by qualified personnel.



It is important to store devices with lithium batteries properly

Otherwise this will damage the batteries and significantly reduce their lifespan. At full discharge, lithium batteries can be permanently damaged or lose some of their capacity. Before longer breaks, charge the batteries to about 50% of their capacity, then turn off the device. Store the device at room temperature and as dry an environment as possible. If the batteries are stored for an extended period, charge them to 50% every three months. Only fully charge the batteries shortly before use at room temperature.



Possible smudge by a chemical reaction

Rubber coating in the rubber surface of this product may react with the coating and after some time cause permanent dark spots. In case of doubt, do not place the rubber foot directly on the surface, and instead use a suitable underlay, e.g. felt or similar.



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Uses

- This device is an LED projector to create decorative lighting effects. The device is designed for professional use in event technology, such as on stage. It is not suitable for household lighting.
- Only use the device in accordance with the instructions herein. Damage resulting from failure to follow this manual will void the warranty! We accept no responsibility for any resulting damages.
- We accept no responsibility for material and personal damage caused by improper use or failure to follow safety instructions. In such cases, the warranty/guarantee will be void.
- Unauthorized modifications or modifications to the device are not permitted for safety reasons and void the warranty.
- Eagle Lite accepts no liability for damages resulting from improper use or failure to comply with these instructions.



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Danger from electricity

- **IP65 Rating:** While the fixture is IP65 rated for outdoor use, ensure that all power and DMX connections are also IP65 rated and properly sealed to maintain protection against water and dust ingress.
- **Do Not Open:** To reduce the risk of electric shock, do not open any part of the fixture's housing unless explicitly instructed for maintenance by qualified personnel and with the unit disconnected from power.
- **Proper Outlet & RCD:** Connect the device only to a properly installed mains socket outlet protected by a Residual Current Device (RCD) or Ground Fault Circuit Interrupter (GFCI).
- **Grounding:** The fixture must be connected to an earthed (grounded) mains supply. Never disable or bypass the protective earth connection of the power cord or fixture.
- **Wet Hands:** Never touch the power plug or fixture with wet or damp hands.
- **Disconnect Power:** Always disconnect the fixture from the mains power supply during thunderstorms, before cleaning, or when it will not be used for an extended period. Pull by the plug, not the cord.

Instructions for using the device.

- **Operating Temperature:** The specified ambient operating temperature range for the Falcon LUMO B4 is -20°C to $+40^{\circ}\text{C}$ (-4°F to 104°F). Do not operate the device outside this range.
- **Surface Temperature:** The housing of the fixture can reach high temperatures during operation (up to 65°C or more). Avoid direct contact by personnel and keep flammable materials at a safe distance.
- **Ventilation & Clearance:** Ensure a minimum distance of 0.5 meters (20 inches) between the fixture and any flammable materials or illuminated surfaces. Maintain adequate ventilation around the unit; do not cover any ventilation openings.
- **Photosensitive Epilepsy:** Strobe effects can trigger epileptic seizures in photosensitive individuals. Be cautious when using intense strobe effects in public areas.
- **Secure Installation:** Ensure the fixture is installed securely by qualified personnel to prevent it from falling. Comply with all relevant local and national safety standards and regulations for rigging and overhead mounting (e.g., EN 60598-2-17).
- **Secondary Safety Attachment:** When mounting the fixture overhead, it **MUST** be secured with a secondary safety attachment, such as an appropriately rated safety cable, attached to a suitable load-bearing point on the fixture and the support structure. The safety cable must be capable of holding at least 10 times the weight of the fixture.
- **Restricted Area:** Ensure the area below the installation site is clear and restricted during rigging, de-rigging, and servicing operations.
- **Experienced Installers:** Overhead mounting requires extensive experience, including calculating working load limits, knowledge of installation materials, and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself. Installations should be checked by a skilled person at least once a year.
- **Mounting Positions:** The Falcon LUMO B4 can be operated in any mounting position (horizontal, vertical, or angled) provided it is securely fastened.



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Service and maintenance of the device.

- The device is not designed for permanent operation; therefore, it is important to the device for consistent operational breaks. This helps to ensure service life without defects.
- Never turn the device on and off at short intervals. This will significantly reduce the service life.
- If the device has been subjected to drastic temperature fluctuations, do not turn it on immediately. The arising condensation can destroy the device. Allow the device to reach ambient temperature before connecting. Wait until condensation has evaporated.
- After use, the unit must always be allowed to cool before it is derigged if this is not complied with, and the unit is subsequently defective. The warranty does not apply.
- Please use the original packaging to protect the device from vibration, dust and moisture during transport or storage.
- If a serial number label is mounted to the device, do not remove the label as this will void the warranty.

Cleaning and maintenance

Regular cleaning and maintenance are essential for ensuring optimal performance and longevity of your Falcon FX400.

- **Disconnect Power:** Always disconnect the fixture from the power supply and allow it to cool completely before performing any cleaning or maintenance.
- **Exterior Cleaning:** Periodically clean the exterior housing and lenses to remove dust, dirt, and other residues. Use a soft, lint-free cloth. For stubborn dirt, the cloth can be slightly dampened with a mild cleaning solution (e.g., glass cleaner for lenses, mild detergent for housing).
- **Avoid Solvents:** Never use aggressive solvents, alcohol, or abrasive cleaners, as they can damage the surfaces or optical components.
- **Dry Thoroughly:** Ensure no moisture enters the fixture. The unit must be completely dry before reconnecting it to the power supply.
- **IP65 Connectors:** Regularly inspect IP65 rated connectors for damage or wear to their seals. Ensure connector caps are used when ports are not in use to maintain IP rating.
- **Internal Maintenance:** There are no user-serviceable parts inside the Falcon FX400 beyond what may be instructed by authorized personnel. Do not open the housing unless qualified. Internal cleaning (e.g., fan cleaning) should only be performed by authorized service technicians.
- **Spare Parts:** If spare parts are needed, use only genuine Eagle Lite original parts or equivalents specified by Eagle Lite.
- **Service:** All service and repair operations should be carried out by authorized Eagle Lite dealers or qualified service technicians.



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Unpacking/Setup

- Upon receiving your Falcon FX400, carefully unpack it and check for any damage that may have occurred during transportation.
- If the shipping carton appears damaged, inspect the fixture immediately.
- In case of damage, or if parts are missing, contact your dealer or Eagle Lite customer service. Do not operate a damaged fixture.
- It is advisable to keep the original packaging for future transportation or storage. If custom flight cases are used, ensure they provide adequate protection against vibration, dust, and moisture.



Warning of the risk of overheating.

The distance between the Device and the illuminated surface must be more than 1.5 m (19.7 inches).

Prober ventilation is very important.

The temperature around the device should never exceed 45 °C (113 °F).



When using racks, structures etc.

When mounting the device on a tripod, ensure that the stand is in a secure and stable position and that the weight of the device does not exceed the maximum allowable load capacity of the stand.



Possible source of error for data errors

To ensure flawless operation, use dedicated DMX cables and not regular XLR/microphone cables.

Never connect the DMX input or output to audio equipment such as mixers or amplifiers. As this can cause great damage!



Possible damage to the device associated with moisture.

Moisture that can enter open (plugs and couplings) by DMX or power cables can cause short circuits. Therefore, it is very important that the lid is closed if the plug is not being used, and only use IP65 rated connectors Cables etc. Available as an accessory at (www.eaglelite.dk)



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Rigging

The Falcon FX400 can be mounted in various orientations. Always ensure that any supporting structure (truss, stand, etc.) is capable of safely supporting the weight of the fixture(s) and any dynamic loads.

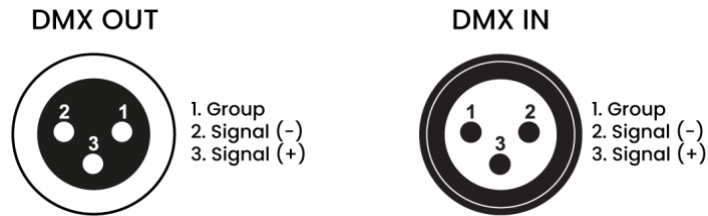
- **Mounting Brackets:** Use the included Fast Lock (Omega) mounting brackets to attach rigging clamps (not included). The brackets attach to the underside of the fixture. Ensure the fast-lock mechanisms are fully engaged.
- **Clamps:** Use appropriately rated rigging clamps to secure the fixture to trusses or pipes.
- **Overhead Mounting:**
 - When mounting overhead, a secondary safety attachment (e.g., safety cable) is MANDATORY.
 - Attach the safety cable through the designated safety cable attachment points on the fixture's chassis and secure it to a separate, reliable anchoring point on the rigging structure.
 - The safety cable must be rated to hold at least 10 times the weight of the fixture.
 - Ensure there is no slack in the safety cable that would allow the fixture to drop significantly if the primary mounting failed, but allow enough for normal movement if applicable.
- **Orientation:** The fixture can be hung upside-down, mounted sideways, or placed on a stable, flat surface. Ensure stability in all positions.
- **Working Area:** Always secure the working area below when rigging, de-rigging, or servicing the fixture.
- **Regular Inspection:** Periodically inspect all rigging hardware, brackets, clamps, and safety attachments for any signs of wear, fatigue, or damage. Replace any suspect components immediately.



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DMX Guide

Explanation of DMX Connections



DMX Cable Connectors

The fixture is equipped with 3-pin and/or 5-pin XLR connectors for DMX input and output. Cabling must have a male XLR connector on one end and a female XLR connector on the other.

Caution: Do not allow contact between the common (ground/shield) and the fixture's chassis ground if they are separate. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohmmeter to verify correct polarity and to ensure pins are not grounded or shorted to the shield or each other.

DMX Connection & Termination

1. Connect the DMX output of your controller to the DMX IN port of the first Falcon FX400 fixture in the chain.
2. Connect the DMX OUT port of the first fixture to the DMX IN port of the second fixture.
3. Continue daisy-chaining fixtures in this manner (OUT to IN).
4. **DMX Terminator:** On the DMX OUT port of the LAST fixture in the DMX chain, it is highly recommended to install a DMX terminator. A terminator is an XLR connector (male) with a 120 Ohm, 1/4W resistor connected between Pin 2 (DMX-) and Pin 3 (DMX+). Termination reduces signal errors and reflections, especially in long cable runs or noisy environments.



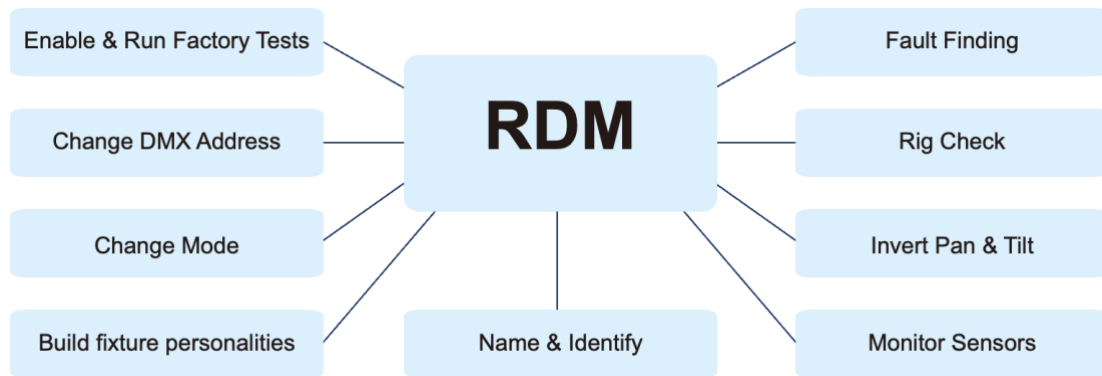
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RDM (Remote Device Management)

The Falcon FX400 supports RDM, which allows for two-way communication over the DMX line with compatible RDM controllers. RDM enables features such as:

- Remote DMX address setting
- Fixture mode changes
- Sensor monitoring (e.g., temperature)
- Error reporting
- Fixture identification

RDM operates on the same DMX512 cabling. Ensure your DMX controller and any DMX splitters in the line are RDM compatible to utilize these features. RDM packets use non-zero start codes and will not interfere with standard DMX512 devices that do not recognize RDM.





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RDM INFORMATION

- Manufacturer's ID:0718
- Manufacturer Label: Eagle Lite
- Model Description: LUMO B4
- Model ID: 0250
- Device Label: LUB4

Parameter ID	Command "Discovery"	Command "Set"	Command "Get"
DISC_UNIQUE_BRANCH	✓		
DISC_MUTE	✓		
DISC_UN_MUTE	✓		
DEVICE_INFO			✓
SUPPORTED_PARAMETERS			✓
SOFTWARE_VERSION_LABEL			✓
DMX_START_ADDRESS		✓	✓
IDENTIFY_DEVICE		✓	✓
DEVICE_MODEL_DESCRIPTION			✓
PARAMETER_DESCRIPTION			✓
MANUFACTURER_LABEL			✓
DEVICE_LABEL		✓	✓
FACTORY_DEFAULTS		✓	✓
BOOT_SOFTWARE_VERSION_ID			✓
BOOT_SOFTWARE_VERSION_LABEL			✓
DMX_PERSONALITY		✓	✓
DMX_PERSONALITY_DESCRIPTION			✓
SLOT_INFO			✓
SLOT_DESCRIPTION			✓
SENSOR_DEFINITION			✓
SENSOR_VALUE			✓
DEVICE_HOURS			✓
LAMP_HOURS			✓
RESET_DEVICE		✓	
CURVE		✓	✓
DMX_STATE		✓	✓
DIMMER_SPEED		✓	✓



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Power setup

The Eagle Lite LUMO B4 is a battery-powered fixture and does not have a direct 230V AC power input on the unit itself. The fixture must be charged using a compatible LUMO B4 charging solution.

The LUMO B4 is equipped with a DC022B charging plug and a built-in 14.8V DC / 10Ah lithium battery.

The following charging options are available:

- 1-in-1 Charger: For charging a single fixture individually.
- 6-in-1 ABS Charging Case: For transport, storage, and charging of up to 6 fixtures in one professional ABS case.
- 8-in-1 Charger: For charging up to 8 fixtures in one charging setup.

Before use, make sure the battery is sufficiently charged. Connect the fixture to the correct charger or charging case, and then connect the charger to a suitable mains power supply.

- Charging input on fixture: DC022B plug
- Battery: 14.8V DC / 10Ah lithium battery
- Direct 230V input on fixture: No
- Charging method: 1-in-1 charger, 6-in-1 ABS charging case, or 8-in-1 charger
- Charging time: Approx. 4.5 hours
- Battery runtime: Up to 19 hours depending on selected power mode and usage

Do not connect mains voltage directly to the fixture. The LUMO B4 must only be charged through an approved Eagle Lite charging solution. Incorrect power connection may cause damage to the fixture and is not covered by warranty.

For safe and correct charging, always place the fixture in a dry and ventilated location. When charging in a case, keep the case open during charging to allow proper heat dissipation.



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Accessory

Included Accessories

- 1 x IR Remote
- 1 x Omega 1/4 Turn Clamps
- 1 x Mini screw in bracket
- 1 x User Manual

Optional Accessories

The following accessories may be available for purchase separately to enhance the functionality of your Falcon FX400:

- Half anti-glare Barndoor
- Diffusion Filters 45, 60, 90 & 60x10
- Tube extensions 15, 50, 100cm
- Domes
- ABS charging cases
- Flightcases 6in1 or 8in1 (Made in EU)

Please contact your Eagle Lite dealer for information on available accessories.



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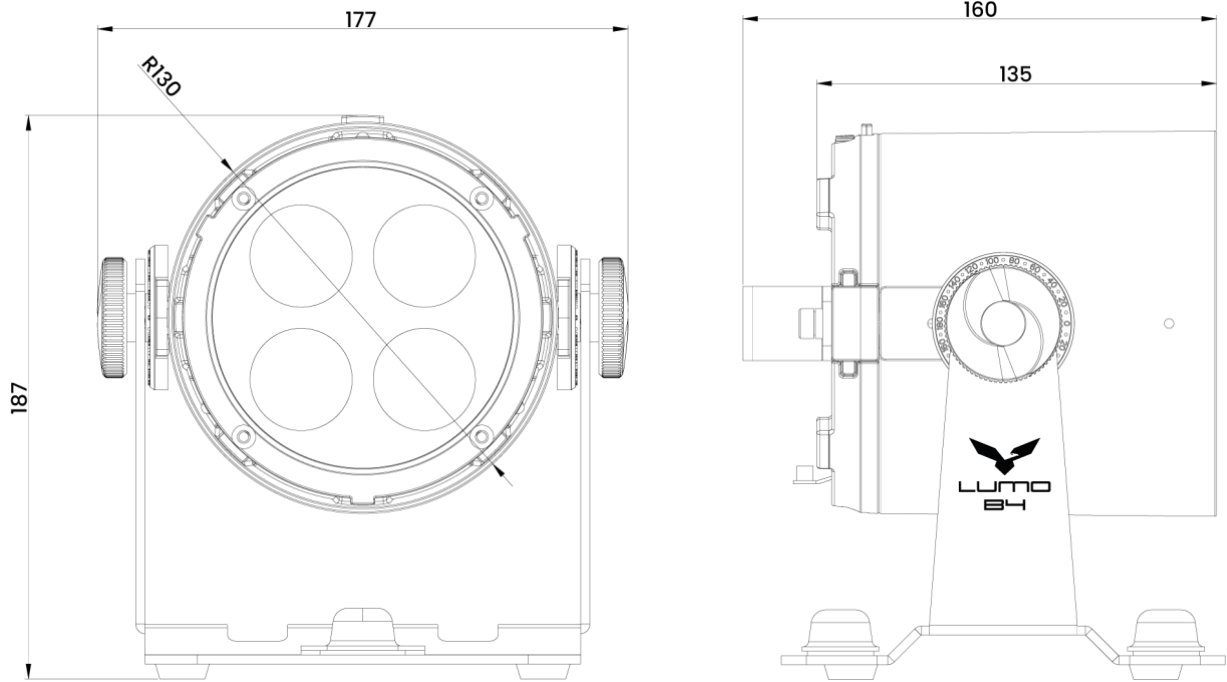
Description & Operation of the device

This section provides an overview of the LUMO B4 fixture, including its physical dimensions, connection points, display interface, control buttons, menu structure, and basic operating functions.

Use this section to identify the main parts of the fixture and understand how to navigate the onboard menu system. The LUMO B4 is designed for fast setup and flexible operation, with a self-standing yoke base, DC charging input, wireless control options, and a clear display interface for local configuration.

Before operating the fixture, make sure all connections, mounting points, and accessories are correctly installed, and always follow the safety instructions described in this manual

Size measured in mm

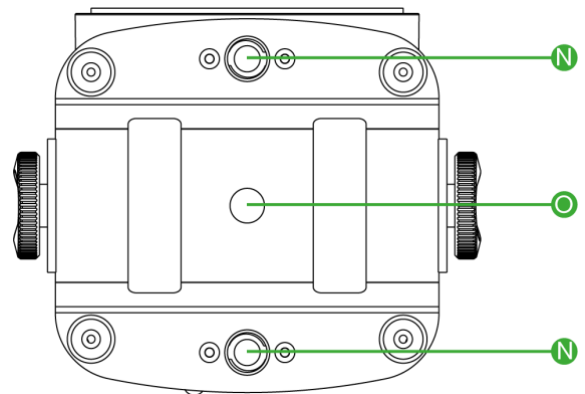
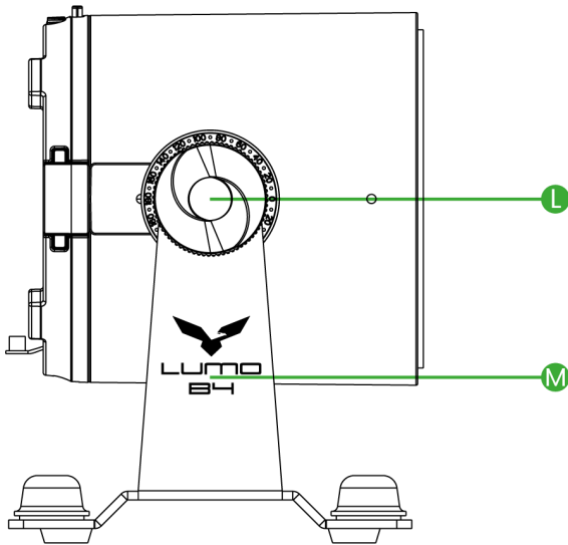
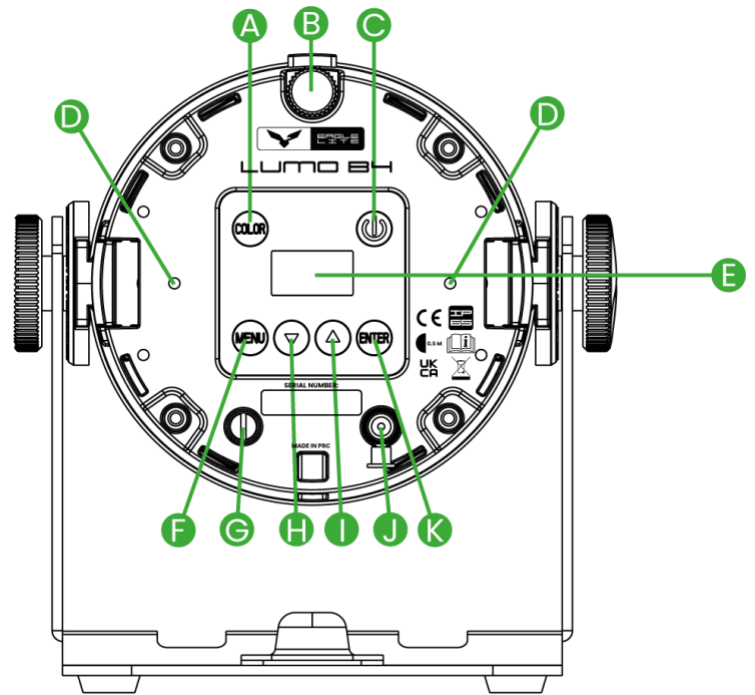




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Description of the Fixture

A	Color Macro quick access button
B	Kickstand
C	On/Off button
D	Mounting point for mini thread clamps
E	LCD Color Screen
F	Menu Button
G	Atmosphere valve
H	Down Button
I	UP Button
J	Charging port
K	Enter button

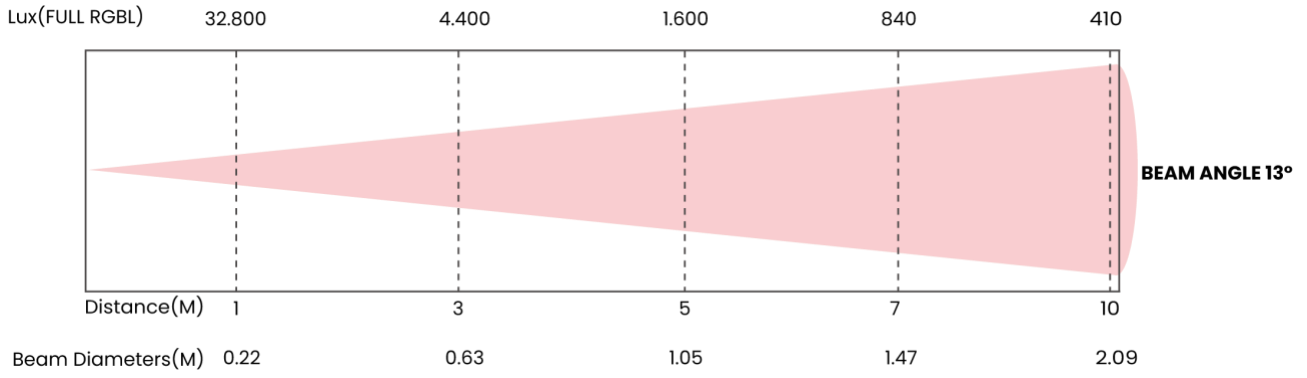


L	Knob 0-360
M	Removable stand
N	Quarter turn bracket mount
O	M10 Mounting hole



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Lux Measurements



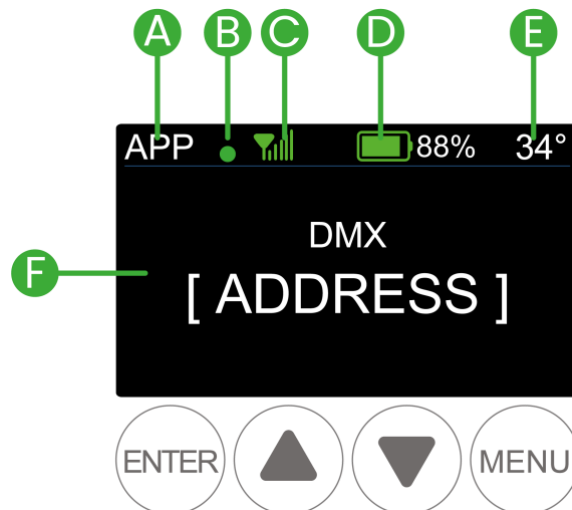


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Operation guide

Display overview

The LUMO B4 display provides quick access to the current operating mode, signal status, wireless status, battery level, temperature and menu information.



A. Operating Mode

Shows the currently selected operating mode, such as App, DMX, Custom, Manual or Auto mode.

B. Signal Status

Shows whether the fixture is receiving a control signal.

Green indicates that a signal is detected. Red indicates that no signal is detected.

C. Wireless DMX Status

Shows the wireless DMX connection status.

Green indicates that the fixture is linked to a wireless DMX transmitter. Red indicates that no wireless DMX link is active.

D. Battery Status

Shows the current battery level of the fixture.

E. Temperature

Shows the current internal fixture temperature.

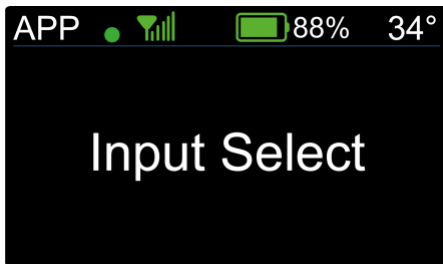
F. Main Display Area

Shows the selected menu, settings, values and operating information. Use this area when navigating the menu and adjusting fixture settings.



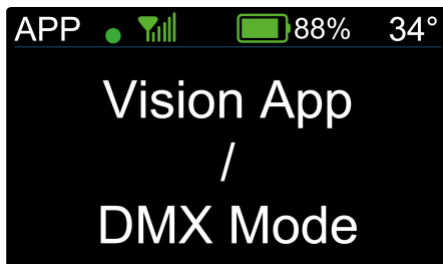
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App Control Operating method



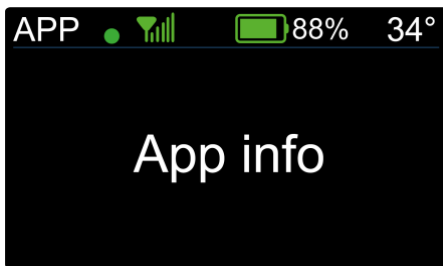
Input Select

Use Input Select to choose how the fixture should be controlled. Press ENTER, then use UP/DOWN to select Vision App or DMX Mode. Press ENTER again to confirm.



Vision App

Select Vision App to enable app control. Press ENTER to access app mode and connection settings and information.



App Info

App Info shows details about the current or previous app connection, including:

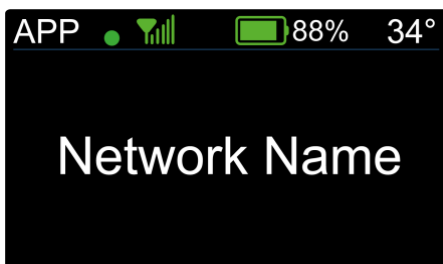
State / Network Name / Signal / UUID

Use UP/DOWN to scroll through the information.



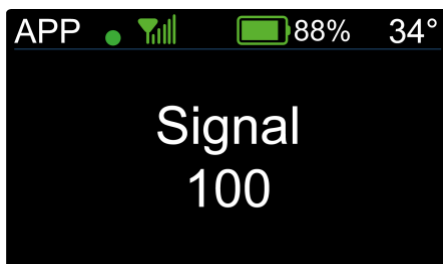
State

Shows if the fixture is linked or unlinked from the Vision App network.



Network Name

Shows the name of the Vision App network the fixture was last connected to.

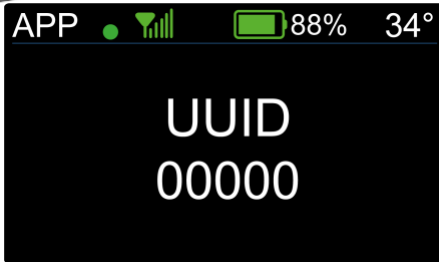


Signal

Shows the app connection signal strength from 0–100.

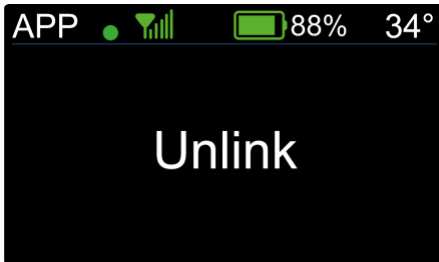


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UUID

Shows the fixture's unique ID.
Use this to identify the correct fixture inside the Vision App.

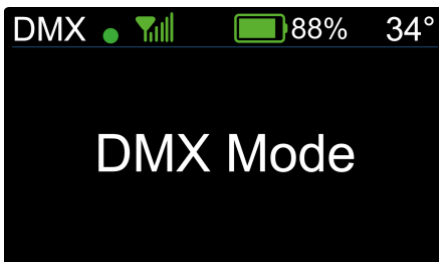


Unlink

Use Unlink to remove the fixture from a previous Vision App network.
After unlinking, the fixture can be connected to a new app setup.

DMX Control Operating method

This sections shows settings and adjustments In dmx mode.



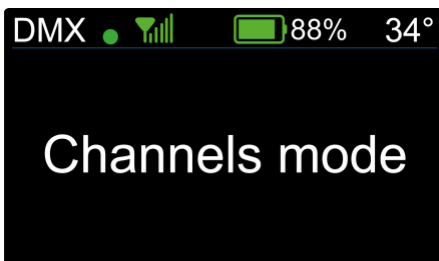
DMX Mode

Select DMX Mode when you want to control the fixture by DMX.
This menu includes DMX Address, Channel Mode and DMX State.



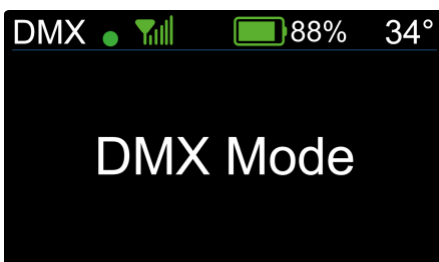
DMX Address

Sets the fixture's DMX start address from 001–512.
Use UP/DOWN to adjust and ENTER to confirm.



Channel Mode

Selects how many DMX channels the fixture uses.
Choose a simple mode for basic control or a larger mode for advanced programming.



DMX State

Defines what happens if the DMX signal is lost.

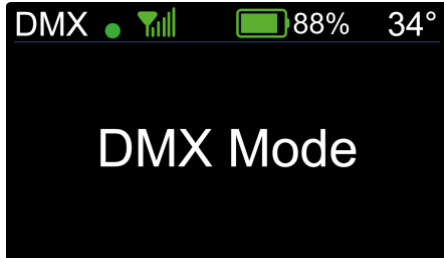
- Blackout: Turns off output
- DMX Hold: Holds last received DMX values



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CRMX/W-DMX Settings

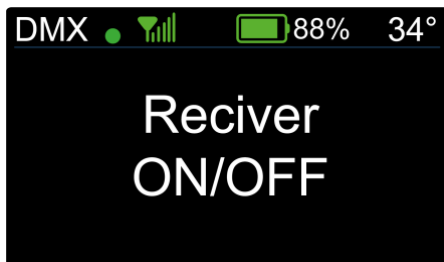
This section explains how you adjust the wireless function



Wireless

Use Wireless to manage the built-in CRMX / W-DMX receiver.

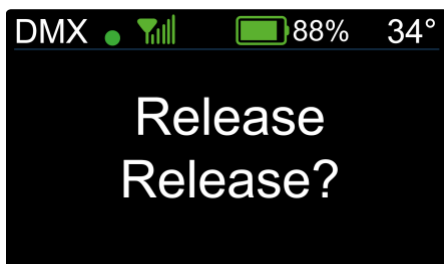
This menu includes Receiver and Release.



Receiver

Turns the wireless DMX receiver ON or OFF.

- ON: Fixture can receive CRMX / W-DMX
- OFF: Wireless receiver is disabled



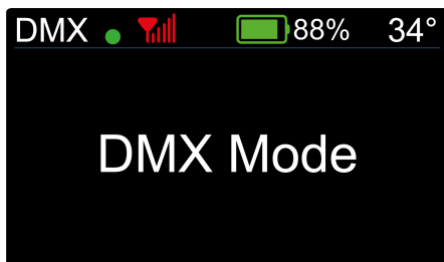
Release

Clears the previous CRMX / W-DMX link.

Use this when connecting the fixture to a new wireless transmitter.

Wireless and DMX fault

This section explains some user issues that can occur

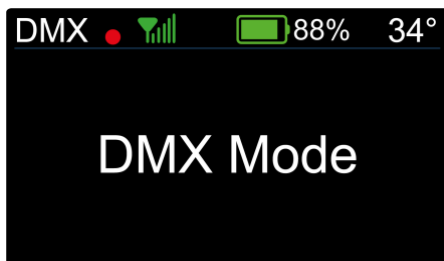


No Wireless Connection

The wireless icon is red or flashing green.

This means the fixture is not linked to a CRMX / W-DMX transmitter.

Release the current wireless link and link the fixture again.



CRMX / W-DMX Connected Only

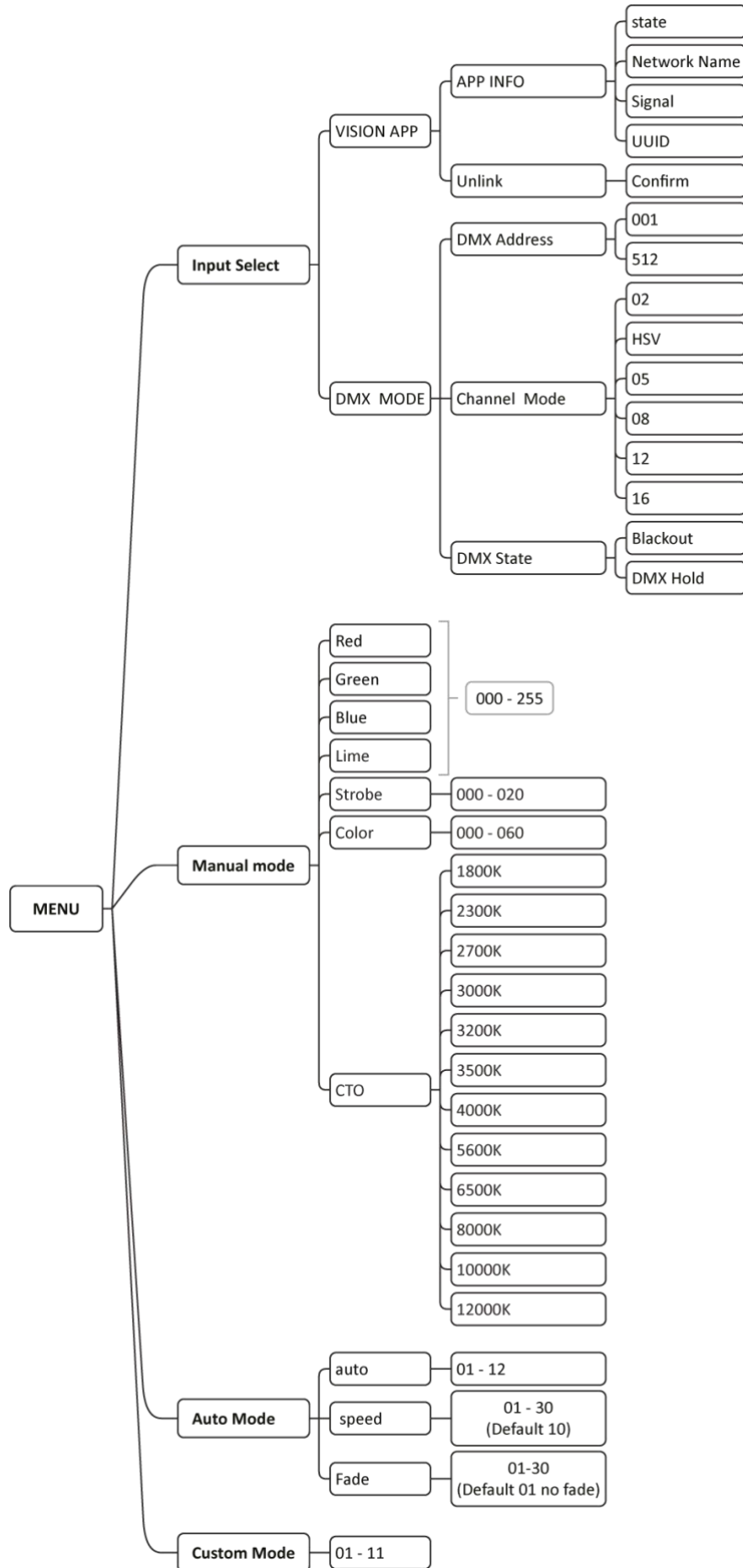
DMX is red and Wireless is green.

The fixture is linked to a CRMX / W-DMX transmitter, but no DMX signal is detected.



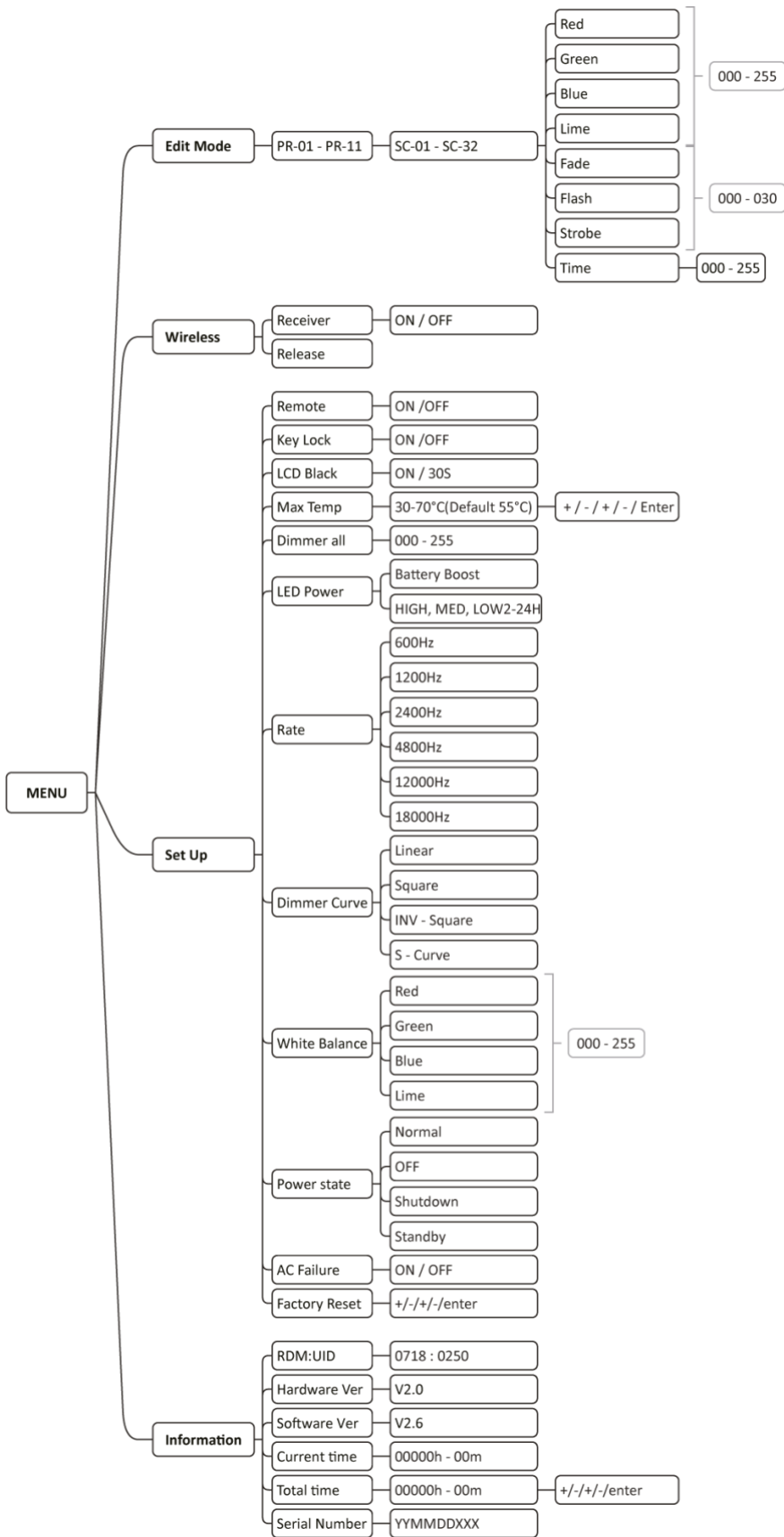
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Menu Overview





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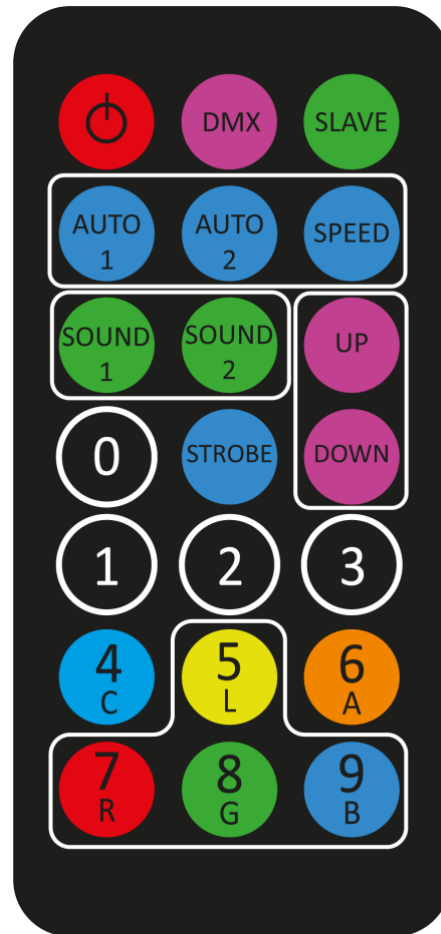




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IR Remote control

	Blackout on/off
	Set unit to DMX mode
	No function for this unit
	Select auto modes with 15 options. Adjust up/down
	Select speed of auto shows
	No function for this unit
	Adjust multiple values up/down
	Activate strobe mode and adjust up and down
	Activate CTO channel
	Activate color macro
	Activate color macro
	Activate color macro
	Activates Cyan Blue & Green on full 255

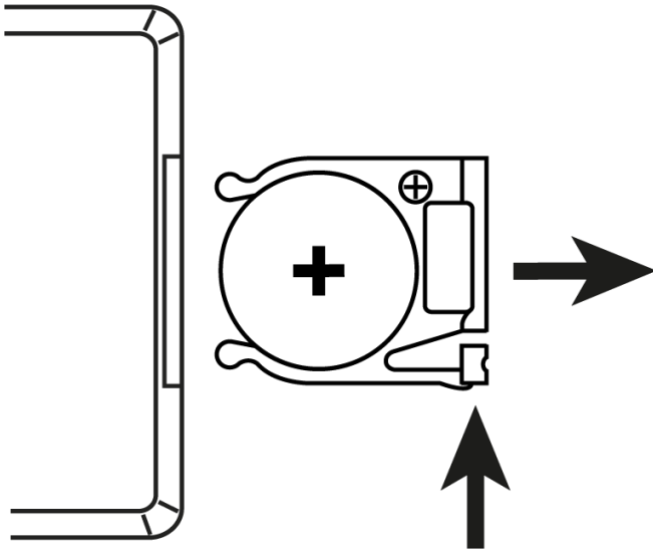


	Activates Lime value 255 Adjust value with UP/Down
	Activates Amber Red & Lime On
	Activates Red value 255 Adjust value with UP/Down
	Activates Green value 255 Adjust value with UP/Down
	Activates Blue value 255 Adjust value with UP/Down



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Change the battery on remote control



Press the specified latch and then pull out the battery pack. For proper replacement, the battery must be replaced with a battery of the same rating as the original battery. The battery is correctly inserted when the positive terminal is facing the bottom of the remote control, push the battery holder back in until it says click.

During shipping, the battery is already installed, this also means that there is plastic foil for protection against discharge.



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Vision App Installation

The LUMO B4 can be controlled and configured using the Vision Control App. The app is available for mobile devices and must be installed before using app control.

Download the App

Scan the correct QR code shown in the manual or search for Vision Control in the app store on your device.



App Store



Google Play

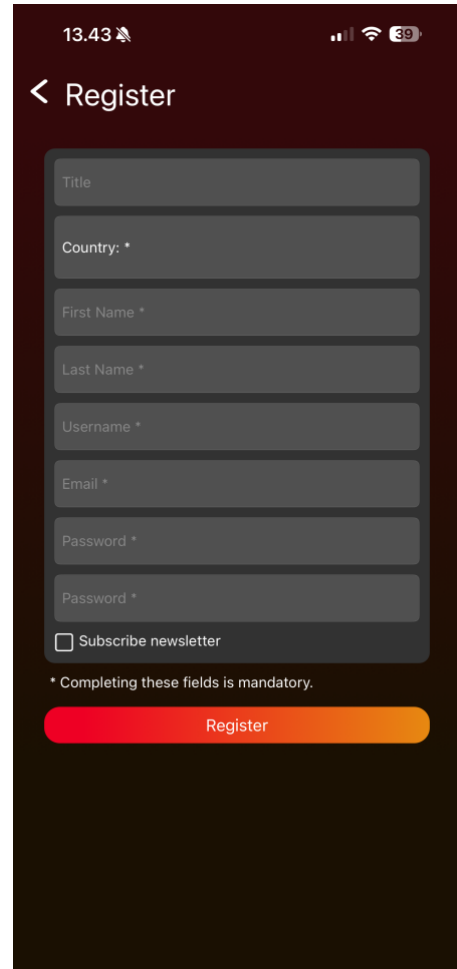
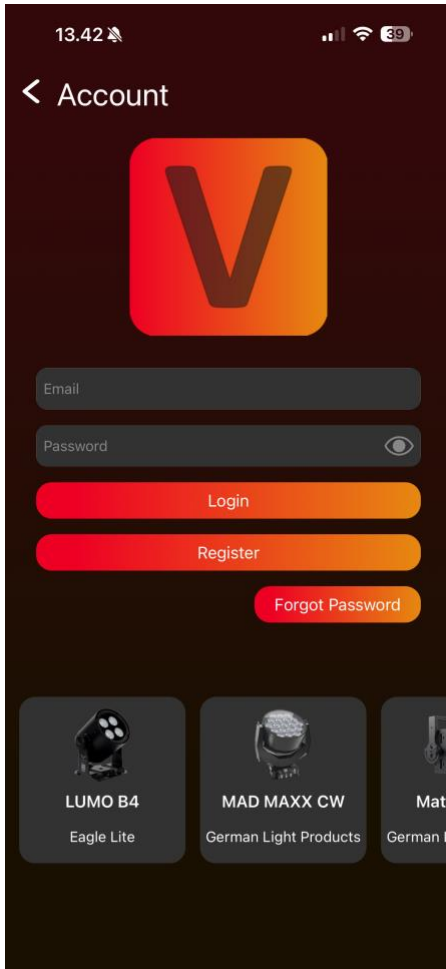


Microsoft





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Create an Account

Open the Vision Control App and select Register.

Fill in the required information and submit the registration form. After registration, check your email inbox and confirm your account using the confirmation link.

Once the account is confirmed, return to the app and log in with your email and password.



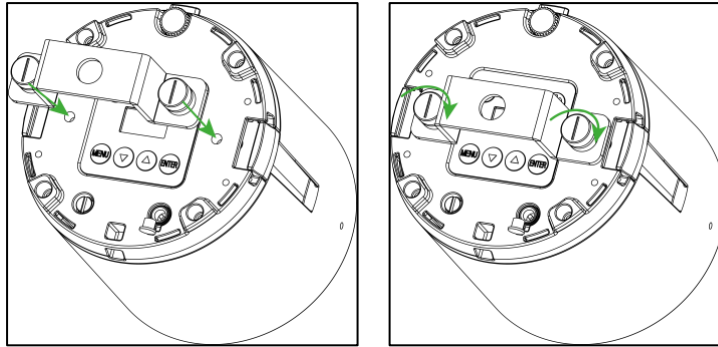
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Customize your setup

The LUMO B4 can be used with a range of optional accessories to adapt the fixture for different applications. Accessories can be used to shape the beam, reduce glare, create decorative lighting effects or improve mounting flexibility.

Before installing any accessory, make sure the fixture is powered off and placed on a stable surface. Always check that the accessory is correctly mounted and locked before use.

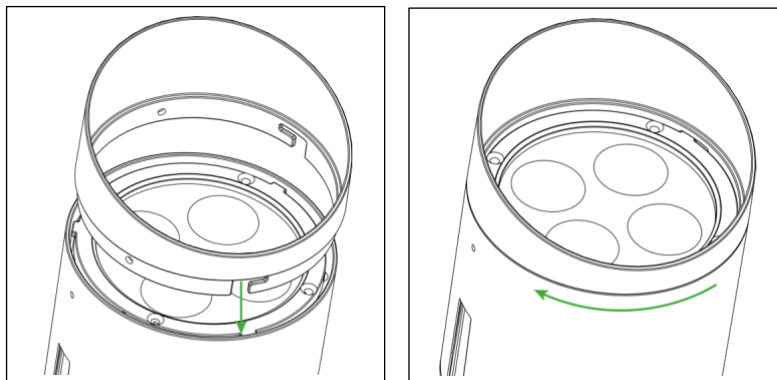
Hanging Plate



Use the hanging plate for suspended mounting.

- Align the plate with the rear mounting points.
- Secure it using the pre-threaded holes.
- Tighten all screws before use.
- Always use a safety wire when mounting overhead.

Half Anti-Glare Barndoor



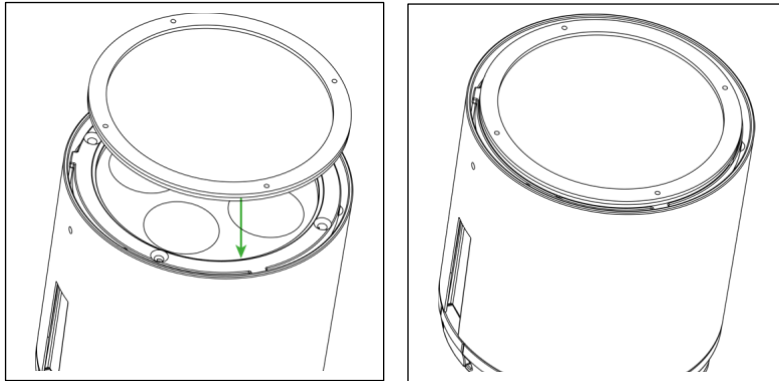
The half anti-glare barndoor reduces direct glare and unwanted spill light.

- Align the three slots with the front locking points.
- Insert the barndoor into the front cover.
- Rotate clockwise approx. 5° to lock.
- Check that it is securely attached.



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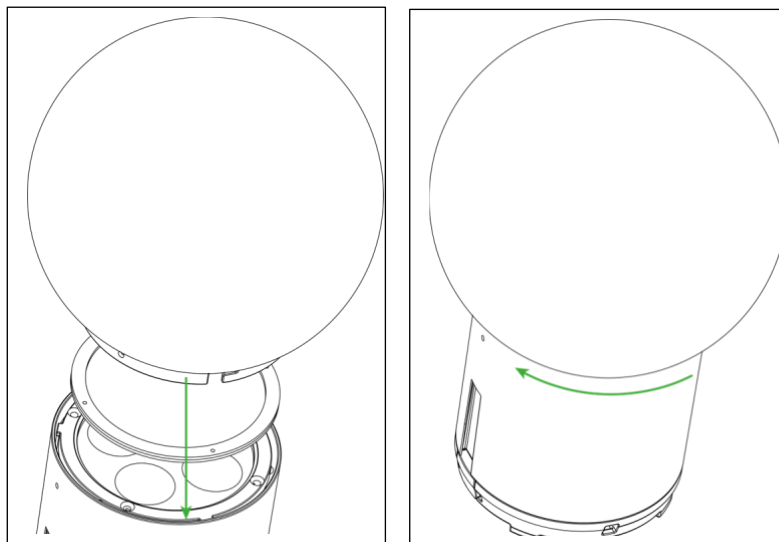
Magnetic Frost Filter



The magnetic frost filter softens the beam and creates wider output.

- Place the filter on the front of the fixture.
- The built-in magnets will hold it in position.
- Check that the filter sits flat and secure.

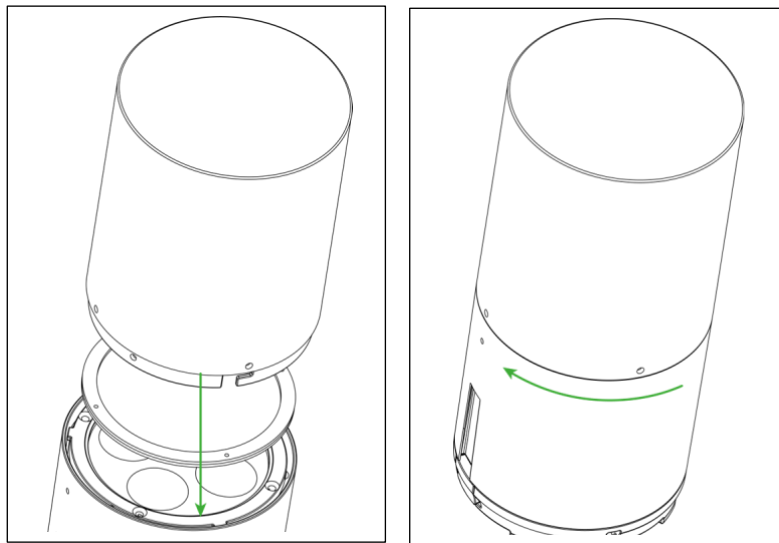
Dome Accessory



The dome creates a soft decorative light effect.

- For smoother output, install a frost filter first.
- Align the three slots with the front locking points.
- Insert the dome into the fixture.
- Rotate clockwise approx. 5° to lock.

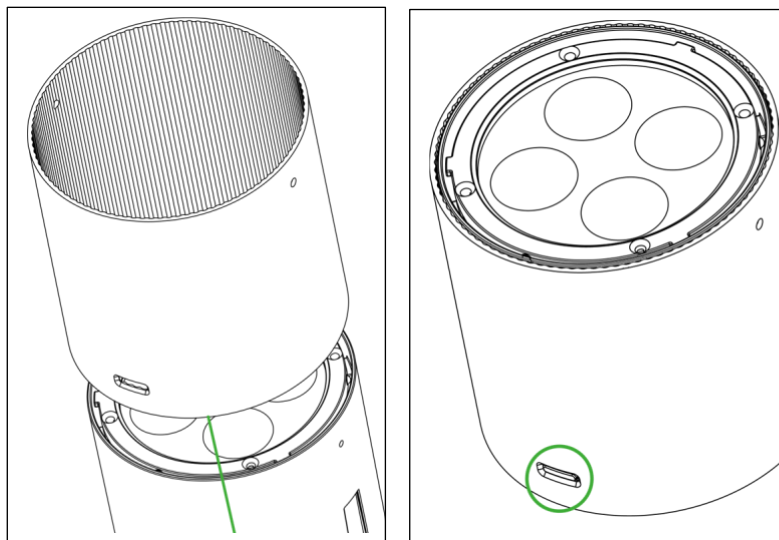
Decorative Tube



The decorative tube creates a vertical diffused light effect.

- For smoother output, install a frost filter first.
- Align the three slots with the front locking points.
- Insert the dome into the fixture.
- Rotate clockwise approx. 5° to lock.

Decorative Cover



The decorative cover changes the visual appearance of the fixture.

- Align the cover notch with the locking button.
- Slide the cover into position.
- Press until the cover locks into place.
- Check that the cover is secure before use.



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Technical Specifications

Optical Parameters

Description	Data
Light Source:	4 × 20W RGBL 4-in-1 LED engine
Color System	RGBL color mixing
Luminous Output	3,150 lm
Source Life Expectancy	50,000 hours
Beam Angle	13°
Field Angle	25°
Color Rendering	RA >90 / TLCI >90
Color Temperature Control	1,800K – 12,000K
Virtual Color System	Virtual Gel Swatchbook
Optional Magnetic Diffusers	45° / 60° / 90° / 60 × 10°
Selectable PWM / Refresh Rates	600Hz / 1,200Hz / 2,000Hz / 2,400Hz / 6,000Hz / 18,000Hz / 25,000Hz
Dimming	16-bit dimming
Dimmer Curves	4 selectable dimmer curves
Strobe	1–20Hz

Control

Description	Data
Control Protocols	DMX512, CRMX, W-DMX, Vision App, IR Remote
Wireless DMX	LumenRadio CRMX / W-DMX
App Control	Vision App
IR Remote	Supported
DMX Channel Modes	2 / HSV / 5 / 8 / 12 / 16 CH
Local Control	LCD display with menu buttons
Display	LCD display
Menu Buttons	MENU, UP, DOWN, ENTER
Operation Modes	DMX, Vision App, Manual, Auto, Custom
Wireless Receiver	ON / OFF
Wireless Release	Clears previous CRMX / W-DMX link
RDM Support	Yes
LED Color Calibration	Yes
DMX State	Blackout / DMX Hold



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Electrical

Description	Data
Power Supply for Charger	100–240V AC, 50/60Hz
Direct AC Input on Fixture	No
Fixture Charging Input	DC022B plug
Battery	14.8V DC / 10Ah lithium battery
Max Power Consumption	51W / 0.22A @ 230V
Power Factor	>0.96
Charging Time	Approx. 4.5 hours
Charging Options	1-in-1 charger, 6-in-1 ABS charging case, 8-in-1 charger
Battery Runtime – Full Output	Approx. 4 hours
Battery Runtime – Color Change / Boost Mode	Approx. 12 hours
Battery Runtime – Color Change / Low Mode	Up to 19 hours
AC Failure Function	Yes
Thermal Protection	Integrated temperature protection
Max Temperature Setting	Adjustable

Physical

Description	Data
Ingress Protection Rating	IP65
Impact Protection	IK07
Cooling	Passive convection / fanless design
Noise Level	Silent operation
Tilt Range	±360°
Bracket	Reinforced one-piece self-standing yoke bracket
Mounting Points	M10 mounting hole, quarter-turn locks, rear bracket
Housing Material	High corrosion resistance 5052 die-cast aluminum
Signal Connection	Wireless only
Power Connection on Fixture	DC022B charging plug
Dimensions (W × H × D)	177 × 187 × 160 mm
Weight	2.87 kg
Operating Environment	Indoor and outdoor use
Fixture Type	Battery-powered RGBL upright / LED par



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DMX CHART

2CH Mode

2Ch Mode	Function	DMX Value	Description/Description
1	Color Macro 0-60	0-255	Color Macro 0-60 see section below
2	CTO	0-255	CTO (1800K – 12000K) see section below

HSV Mode

HSV MODE	Function	DMX Value	Description/Description
1	HUE	0-255	Hue
2	Saturation	0-255	Saturation
3	Value(Dimmer)	0-255	Adjust brightness of fixture

5CH Mode

5CH MODE	Function	DMX Value	Description/Description
1	Red	0-255	Adjust Red
2	Green	0-255	Adjust Green
3	Blue	0-255	Adjust Blue
4	Lime	0-255	Adjust Lime
5	Strobe/Shutter	0-255	See Strobe/Shutter Section

8CH Mode

8CH MODE	Function	DMX Value	Description/Description
1	Dimmer	0-255	Adjust dimmer value 0-100%
2	Red	0-255	Adjust Red
3	Green	0-255	Adjust Green
4	Blue	0-255	Adjust Blue
5	Lime	0-255	Adjust Lime
6	Color Macro 0-60	0-255	Color Macro 0-60 see section below
7	CTO	0-255	CTO (1800K – 12000K) see section below
8	Strobe/Shutter	0-255	See Strobe/Shutter Section



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12CH Mode

12CH MODE	Function	DMX Value	Description/Description
1	Dimmer	0-255	Adjust dimmer value 0-100%
2	Red	0-255	Adjust Red
3	Green	0-255	Adjust Green
4	Blue	0-255	Adjust Blue
5	Lime	0-255	Adjust Lime
6	Color Macro 0-60	0-255	Color Macro 0-60 see section below
7	CTO	0-255	CTO (1800K – 12000K) see section below
8	Strobe/Shutter	0-255	See Strobe/Shutter Section
9	Auto	0-255	Choose between auto shows see list below.
10	Auto Speed	0-255	Adjust the speed of the built in auto shows
11	Dimmer speed	0-255	Select the different dimmer speeds See list below
12	Device settings	0-255	Control settings of the device

16CH Mode

16CH MODE	Function	DMX Value	Description/Description
1	Dimmer	0-255	Adjust dimmer value 0-100%
2	Red	0-255	Adjust Red
3	Red Fine	0-255	Fine channel of red
4	Green	0-255	Adjust Green
5	Green Fine		Fine channel of Green
6	Blue	0-255	Adjust Blue
7	Blue Fine		Fine channel of Blue
8	Lime	0-255	Adjust Lime
9	Lime Fine		Fine channel of Lime
10	Color Macro 0-60	0-255	Color Macro 0-60 see section below
11	CTO	0-255	CTO (1800K – 12000K) see section below
12	Strobe/Shutter	0-255	See Strobe/Shutter Section
13	Auto	0-255	Choose between auto shows see list below.
14	Auto Speed	0-255	Adjust the speed of the built in auto shows
15	Dimmer speed	0-255	Select the different dimmer speeds See list below
16	Device settings	0-255	Control settings of the device



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AUTO LIST

Macro Number	Description	DMX Value
0	No Function/OPEN	0-20
1	auto 1	21 – 39
2	auto 2	40 – 59
3	auto 3	60 – 79
4	auto 4	80 – 99
5	auto 5	100 – 119
6	auto 6	120 – 139
7	auto 7	140 – 159
8	auto 8	160 – 179
9	auto 9	180 – 199
10	auto 10	200 – 219
11	auto 11	220 – 239
12	auto 12	240 – 255

Device Settings (Hold 5s to store)

Control Functions	DMX Value
No Function	0-9
Dimmer Curve Linear	10-19
Dimmer Curve Square Law	20-29
Dimmer Curve Inv.Squ.Law	30-39
Dimmer Curve S-Curve	40-49
Rate 600Hz	50-59
Rate 1200Hz	60-69
Rate 2400Hz	70-79
Rate 4800Hz	80-89
Rate 12000Hz	90-99
Rate 18000Hz	100-109
LED Power HIGH	110-110
LED Power MEDIUM	111-111
LED Power LOW	112-112
LED Power 2 hours	113-113
LED Power 3 hours	114-114



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LED Power 4 hours	115-115
LED Power 5 hours	116-116
LED Power 6 hours	117-117
LED Power 7 hours	118-118
LED Power 8 hours	119-119
LED Power 9 hours	120-120
LED Power 10 hours	121-121
LED Power 11 hours	122-122
LED Power 12 hours	123-123
LED Power 13 hours	124-124
LED Power 14 hours	125-125
LED Power 15 hours	126-126
LED Power 16 hours	127-127
LED Power 17 hours	128-128
LED Power 18 hours	129-129
LED Power 19 hours	130-130
LED Power 20 hours	131-131
LED Power 21 hours	132-132
LED Power 22 hours	133-133
LED Power 23 hours	134-134
LED Power 24 hours	135-149
Calibrated color output mode - COLOR CALIB = On	150-159
Raw color output mode - COLOR CALIB = OFF	160-169
Power State Normal	170-179
Power State Standby	180-189
Power State Shutdown	190-199
Power State OFF	200-209
AC Failure OFF	210-214
AC Failure ON	215-219
No Function	220-224
Factory Reset	225-229



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Key Lock OFF	230-234
Key Lock ON	235-239
LCD Black 30S	240-244
LCD Black ON	245-249
No Function	250-255

Shutter List

Shutter Functions	DMX Value	Description
No Function/OPEN	000-009	Open/No Function
Strobe 1-20Hz	010-189	Strobe - Slow -> Fast (1-20hz)
No Function/OPEN	190-199	Open/No Function
Random Strobe	200-250	Random Strobe – Slow -> Fast
No Function/OPEN	251-255	Open/No Function

Dimmer Speed (Hold 3s to change)

Dimmer Speed	DMX Value	Description
Dimmer Speed 0	010-029	No delay on dimmer
Dimmer Speed 1	030-069	Dimmer delay 1 second
Dimmer Speed 2	070-129	Dimmer delay 2 second
Dimmer Speed 3	130-189	Dimmer delay 3 second
Dimmer Speed 4	190-255	Dimmer delay 4 second

Color Macro List

Macro Number	Color Macro	DMX Value	R	G	B	L	Color
0	Open	0-11					
1	Red	12-15	255	0	0	0	
2	Green	16-19	0	255	0	0	
3	Blue	20-23	0	0	255	0	
4	Lime	24-27	0	0	0	255	
5	White	28-31	0	0	100	255	
6	Cyan	32-35	0	255	255	0	
7	Magenta	36-39	255	0	255	0	
8	Yellow	40-43	255	170	0	170	
9	Fern Green	44-47	64	128	0	255	
10	Sea Green	48-51	0	255	70	0	
11	Dark Cyan	52-55	0	110	255	0	



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12	Lavender	56-59	0	128	255	0	
13	Violet	60-63	90	0	255	0	
14	Pink	64-67	255	0	128	0	
15	Orange	68-71	200	42	0	53	
16	Forrest Green	72-75	0	200	20	0	
17	Deep Orange	76-79	200	14	0	15	
18	Cobalt	80-83	1	42	255	3	
19	Neon Green	84-87	13	255	0	33	
20	Yellow Green	88-91	251	255	0	255	
21	L Forrest Green	92-95	42	255	45	147	
22	Dark Magenta	96-99	255	0	45	0	
23	Fire Orange	100-103	255	16	8	17	
24	Peach	104-107	255	50	25	62	
25	Coral	108-111	255	55	0	70	
26	Pistachio	112-115	0	215	80	0	
27	Blue Jazz	116-119	11	0	212	0	
28	Plum	120-123	205	4	217	4	
29	Rose Pink	124-127	255	63	200	150	
30	Straw Tint	128-131	252	130	150	255	
31	Deep Straw	132-135	255	118	0	146	
32	Surprise Peach	136-139	230	70	50	101	
33	Fire	140-143	255	35	0	40	
34	Medium Amber	144-147	255	103	30	138	
35	Gold Amber	148-151	255	70	15	96	
36	Sunset Red	152-155	255	0	0	110	
37	Plasa Red	156-159	225	0	60	0	
38	Light Lavender	160-163	188	85	250	100	
39	Mist Blue	164-167	159	120	255	80	
40	Sky Blue	168-171	0	40	240	140	
41	Tokyo Blue	172-175	0	0	180	0	
42	Evening Blue	176-179	0	0	255	180	
43	Deeper Blue	180-183	0	110	185	0	
44	Lime Green	184-187	0	120	0	255	
45	Forrest Green	188-191	0	140	80	0	
46	Moss Green	192-195	0	255	50	100	
47	Dark Yellow Green	196-199	80	150	0	0	
48	Spring Yellow	200-203	255	180	0	180	
49	Congo Blue	204-207	70	0	180	0	
50	Jade	208-211	0	255	120	0	
51	Storaro Red	212-215	159	24	28	29	
52	Storaro Orange	216-219	199	95	30	116	
53	Storaro Yellow	220-223	239	165	10	165	
54	Storaro Green	224-227	25	140	30	84	
55	Storaro Cyan	228-231	15	30	161	181	



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56	Storaro Azure	232-235	9	46	121	19	
57	Storaro Blue	236-239	9	10	200	20	
58	Storaro Indigo	240-243	4	0	96	38	
59	Storaro Violet	244-247	20	0	114	59	
60	Storaro Magenta	248-255	180	50	220	54	

CTO Macro List

Macro Number	Color Macro	DMX Value	R	G	B	L	Color
0	Open	0-7	0	0	0	0	
1	1800K	8-27	255	0	2	218	
2	2300K	28-47	94	0	12	183	
3	2700K	48-67	120	0	19	255	
4	3000K	68-87	115	0	20	255	
5	3200K	88-107	110	15	27	255	
6	3500K	108-127	90	15	35	255	
7	4000K	128-147	65	25	45	255	
8	5600K	148-167	55	62	70	255	
9	6500K	168-187	45	78	85	255	
10	8000K	188-207	45	98	105	255	
11	10000K	208-227	35	110	120	255	
12	12000K	228-255	25	120	130	255	



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Company info

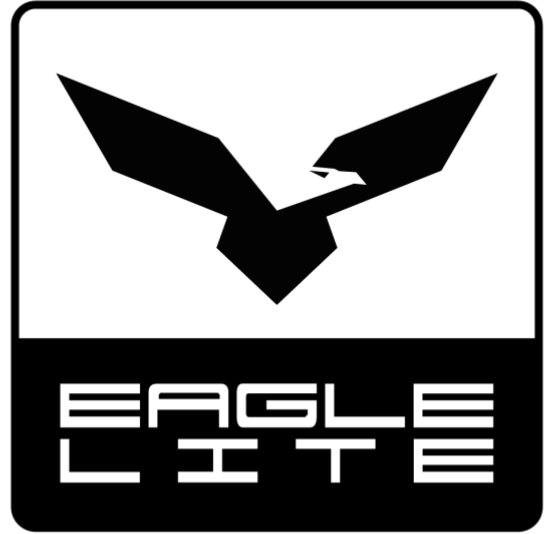
Mail: info@eaglelite.dk

PHONE: +45 75 75 75 83

WEB: <https://eaglelite.eu/>

Company: Eagle Lite

EORI: DK39524627



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