

CURVED FIBER OPTIC COMB

Item#'s 2140491, 2140488

INSTRUCTION MANUAL



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BRIEF DESCRIPTION

Curved comb to hold up to 200 fiber optic strands

COLOR

White

CONTENTS

- 1 x quarter circle
- 4 x "L" brackets
- 8 screws to attach the L brackets to the comb (hardware for mounting brackets to the wall not included)
- Light Source
- Fiber Optics

RECOMMEND HARDWARE/TOOLS

- Drill/drivers
- Level
- Hardware for mounting brackets to wall.
- Toggle bolts for Drywall and Tapcons for concrete, qty 8
- Qty 12½" 1.27 cm wood screws (for "L" brackets and Light source)
- Note: 3 lengths of safety chain are not included, but are recommended

SNOEZELLEN® STIMULATIONS

- Sight

BEST USE

In a 90° angled corner in a darkened environment.

COMPATIBLE SNOEZELEN® PRODUCTS

- 2157413 Snoezelen® Sensory Magic® 3
- 2120147 Snoezelen® WiFi Wireless Controller
- 2120277 Snoezelen® Mini Play Cube Controller
- 2120037 Snoezelen® Color Command Center™
- 2126234 Snoezelen® WiFi Color Control Bumpas

Snoezelen® offers several fiber optic harnesses that are 1m/39.5" long, but these do not allow for any drop over the rim of the Comb.

STARTING UP

- Install in a suitable location.
- Place the light source on the top.
- Feed the individual fiber strands into the holes in the comb.
- Fan out the strands evenly.
- Depending on the number of strands, you may need to feed multiple strands into one hole.
- Attach the fiber optics to the light source.
- Switch the light source on.

DETAILED DESCRIPTION

Curved comb holds up to 200 fiber optic strands. Use as a beautiful curtain to separate off a corner. To be wall-mounted on solid walls. Please order your fiber optics and light source separately.

SAFETY

- Supervise the use of this product.
- Do not allow users to pull on the fiber optics or hang from the comb. This product is not intended to support the weight of a person.
- Make sure this product is safely installed before use.

TECHNICAL SPECIFICATION

Size: 122 x 122cm/48 x 48"

Weight: Approximately 15kg/33lbs (without fiber optics and light source)

INSTALLATION

1. Keep in mind the following points, and choose a suitable location for the Curved Fiber Optic Comb:

- The product should be installed in a right-angled corner
- The walls the comb will be attached to should be solid enough to comfortably hold the weight of the products
- The product weighs approximately 15kg/33lbs
- The product measures 122cm x 122cm/48 x 48"
- The height – do not install the comb so low that you risk anyone banging their head on the comb or trying to swing off it, or stepping on the fiber optic ends
- Choose fiber optics of an appropriate length. It is neither far from ideal, having the fiber optics trailing on the floor, nor having the fibers so short that a curtain effect cannot be created
- Height will depend on the users and staff; 183cm/72" is a good starting point.
- Your light source will need to be plugged in so consider proximity to a wall socket. Make sure the cable will reach a wall socket. If available, add an outlet just above the desired height of the comb.
- The comb doubles as a shelf. You can install projectors or a stereo etc.
- We recommend the use of a SNOEZELEN® light source as this will give you maximum color choices without any heat. The SNOEZELEN® light source can also be controlled wirelessly as part of the SNOEZELEN® WiFi range.
- Allow for the extra weight the light source will add to the comb and again check that the fixtures supplied are appropriate to the construction of your wall.
- We recommend using Toggle bolts for drywall or Tapcons for concrete (not included). Hardware needed will depend on your wall construction. If you are unsure of the correct hardware needed to safely install your comb, please consult a local general contractor.



2. Before attaching the comb to the wall, it is recommended that you lay the comb on the floor. Place your light source on top and try to work out the best place for the light source. If the light source is central, the fibers will appear longer opposite the right angle of the comb and shorter nearer to the straight edges, as shown in the photograph to the right. You may wish to install the light source at one side so that the fiber optic strands increase/decrease in length from one edge of the comb to the other. Experiment till you find the desired location of the light source. You may wish to screw the light source down so that any movement of the strands does not move the light source.



3. Once you have decided upon the location of the light source, carefully thread the strands through the holes along the curved edge of the comb. There are approximately 100 holes, each large enough to accommodate more than one strand.
4. Attach the "L" brackets to the comb, two per straight side using the included hardware. The brackets should be to the underside of the comb so that the comb is supported on the brackets rather than hanging off them. There are no pre-drilled holes in the comb to allow you to position the plates appropriately on your walls.
5. Check that there are no pipes, cables, etc. behind the wall where you are planning to attach the brackets. Drill an appropriate hole in the wall to accommodate the hardware. Pass an appropriate screw through the bracket and into the wall. Make sure the brackets are securely attached.



6. Secure safety chains (not included): secure to one end to the comb and the other end to the ceiling. The use of these chains is important. Should the comb be forcibly pulled from the wall, the safety chains will help stop the comb from falling further. Space the chains at a suitable distance apart – this will be subject to where they will be fixed to the ceiling, and where you have placed the light source. Choose a metal chain that is more than capable of holding the combined weight of the products:
 - Comb: approx. 15kg 33lbs
 - Light Source: approx. 500g 1lbs
 - Fiber Optics: approx. 1kg 2.2lbs (1m 39" x 100 strands; approx. 4kg 8.8lbs for 2m 78" x 200 strands) and the potential weight of a sudden drop should the existing fixings fail.
7. You may wish to consider some sort of tie backs lower down the wall to keep the 'curtain' open and for safer "storage" of the fiber optic strands when the room is not in use.
8. Once the product is safely installed, switch on your light source. Please refer to the instructions with your light source and fiber optics.

CARE AND MAINTENANCE

- Do not submerge in water.
- Wipe the strands and comb with a clean cloth and a mild, non-abrasive cleaning product.

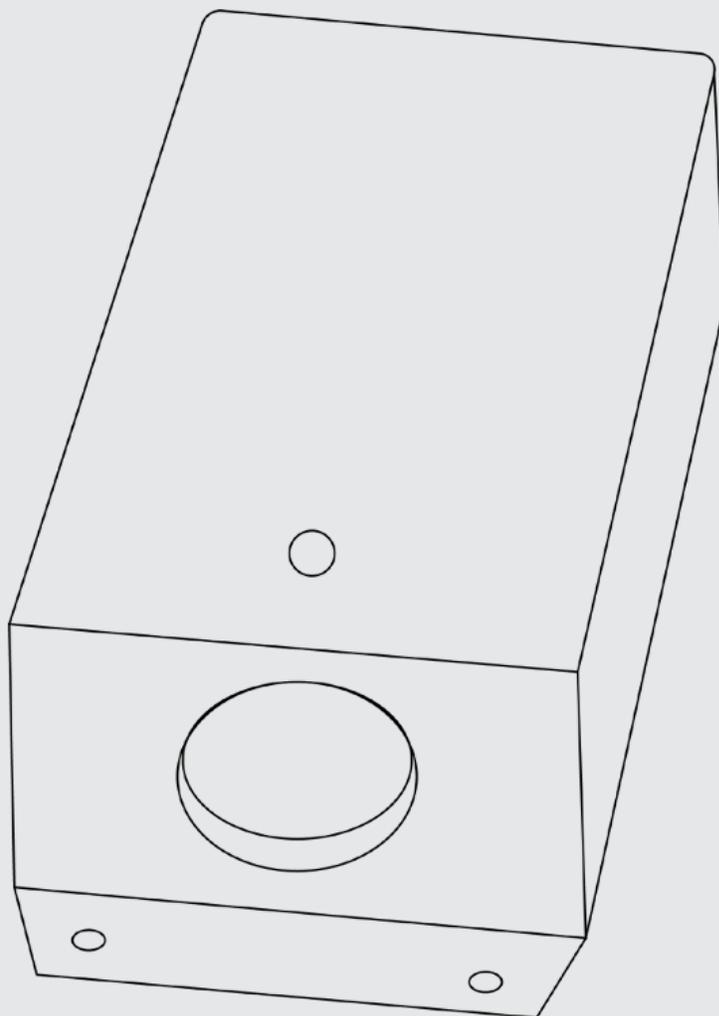
TROUBLESHOOTING

Not applicable

INTERACTIVE LED LIGHT SOURCE

Item# 2119937

INSTRUCTION MANUAL



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PRODUCT DESCRIPTION

With LED technology, this Wi-Fi light source is cool-running and maintenance-free. Compatible with an interactive device such as Color Changing Panel, Talking Cubes or WiFi Wireless Controller. Ideal for sensory stimulation, color recognition, and developing the understanding of cause and effect. Compact and can be wall-mounted and neatly concealed with our Fiber Optic Light Spray Enclosure.

USER BENEFITS

- Stimulates sight through the light emitted.

PRODUCT COMPATIBILITY

2123680 Jumbo Bamboo Fiber Optics, Sensory Lighting 78"
2123681 Milky Way Carpet with LED Lights
2123683 Fiber Optic Light Spray Set, Sensory Lighting 78 Inches, 200 Cables
2123687 Neon Ultra-Violet Fiber Optic Light Spray Set 78" 100 Strands
2123697 Shimmering Light Curtain, Sensory Lighting 78"
2123702 Jumbo Bamboo Fiber Optics, Sensory Lighting 39"
2140273 Fiber Optic Light Spray Enclosure
2140486 Fiber Optic Comb with 200 Fiber Optic Strands
2140488 Curved Fiber Optic Comb with 200 Fiber Optic Strands
2140490 Fiber-Optic Comb with 100 Fiber Optic Strands
2140491 Curved Fiber Optic Comb with 100 Fiber Optic Strands
2140560 Star Pattern Interactive Carpet with LED Lights

Wi-Fi compatibility:

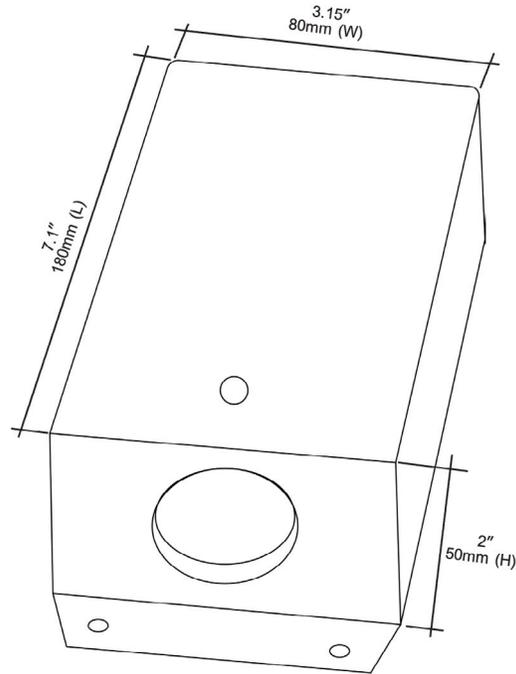
This unit is Wi Fi compatible, and therefore will respond wirelessly to the following products:

2120277 Mini Play Cube Controller
2120037 Color Command Center™ Panel
2120147 WiFi Wireless Controller
2126234 WiFi Color Control Bumpas, Sensory Wall Panel
2157413 Sensory Magic V3

When activated by a Wi-Fi controller, the Snoezelen® Light Source will automatically change color to that selected for 1 minute, before resuming automatic mode.

TECHNICAL SPECIFICATION

- Cable 69" (1750mm) long
- Weight: 1 Lb. (470g)
- Input: 100-240v AC 50/60Hz 0.25A
- Output: 12v DC 1.25A 15W max
- CE: Meets the requirements of BS EN 9001-2000
- Safety Approved to: UL, CUL, FCC, GS, CE, RCM
UL62638-1, EN62638-7, UKCA62638-1 (Pending)



PRODUCT SAFETY & CARE INSTRUCTIONS

- Always supervise the use of this product, especially with fiber optics
- Install the light source out of reach of clients
- The light source is to be used in dry environments. Allow unrestricted airflow around the light source. The ambient temperature should not exceed 104°F (40°C)
- Do not allow clients to pull on the fiber optics.
- Should you need to remove the fiber optics, loosen the set screw until the boss can be removed easily– do not just pull these out with force

PRODUCT ASSEMBLY GUIDE/INSTALLATION

1. Consider the following when choosing the location of your light source:
 - **Access to Power:**
Ensure the location has easy access to an electrical outlet for plugging in the unit.
 - **Safety Placement:**
Install the light source **out of reach of clients** to prevent accidental contact or tampering.
 - **Environment:**
The light source is designed for **dry environments only**. Do not install in areas exposed to moisture.
 - **Shelf Stability:**
If placing the unit on a shelf, verify that the shelf can **comfortably support the weight** of the light source. Attach the light source to the shelf with 4 5/8' wood screws or two sided tape.
 - **Lighting Conditions:**
Fiber optic products are most visually effective in **darkened environments**, not in bright lighting
2. Loosen the set screw and slide the boss of your fiber optics, or Milky Way Carpet into the circular hole in the front face of the light source. When using this with fiber optics, it may be necessary to adjust the position of the boss in the port (i.e., not completely pushed in as far as possible) to allow as many strands as possible to be illuminated.
3. Tighten the set screw on the top of the unit to secure the fiber optics into the unit. Please note: if you remove the cover from the light source, you have to remove the screw from the top that holds the fiber optics in.
4. Connect the power lead. If the fit does not seem tight, 'wiggle' the lead into the light source, while pushing at the same time
5. Using the ON/OFF rocker switch at the top of the light source, switch the light source on

USER GUIDE

- Slide the boss of your fiber optics or Milky Way Carpet etc into the circular hole in the front face of the light source
- Tighten the screw on the top of the unit to secure the fiber optics into the unit.
- Connect the power supply
- Using the ON/OFF switch at the back of the light source, switch the light source on

TROUBLESHOOTING

In the unlikely event of product failure, please check the following:

Problem: No light

- Check that the power cable and supply are pushed firmly into the light source and receptacle
- Remove any connection to the round black 5 pin socket on the back of the light source
- Turn the light source OFF, wait 1 minute and then turn ON again

Problem: Insufficient Brightness from the Light Source

- Ensure that the fiber optic harness is pushed into the front of the light source, and adjusted (pulled away slowly from the very end of the port) to illuminate as many strands as possible
- Tighten the top screw on the light source to prevent the harness from being pulled out

Problem: Light source sometimes changes color randomly, and then goes back to its preprogrammed sequence

- The light source may be picking up Wi-Fi signals from somebody nearby who has a Color Changing Panel, or Snoezelen® WiFi Wireless Controller (or a Sensory Magic room) etc.

Problem: WiFi signals from 2 different nearby rooms are interfering with each other.

- If you have 2 neighboring rooms each using Snoezelen® WiFi products, then the devices in both rooms can be controlled by any nearby WiFi controllers. An "All-In-One" Controller would be required to alter the wireless settings to operate without interfering with one another