3form Elements

Contents Overview

48" Clario Cloud

(×1)

Pre-assembled 48"
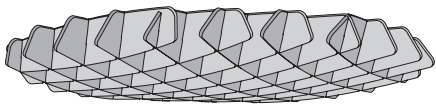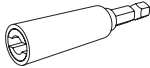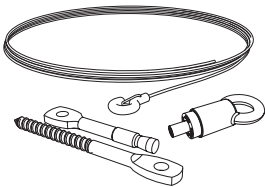Clario Cloud Baffle

(×1)

Eye Bolt Lag Bit
3-15-8812

(×3)
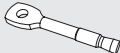
Clario Cloud Cable KIT
3-15-1989-K

=

(×3)

3/64" Ø, 8' Cable
with Hook
3-15-1677

+

(×3)

Concrete Screw
with Eye Bolt
3-15-8811

+
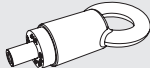
(×3)

Wood Lag Screw
with Eye Bolt
3-15-8895

+

(×3)

Ring Gripper
3-15-1989
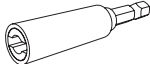
72" Clario Cloud

(×1)
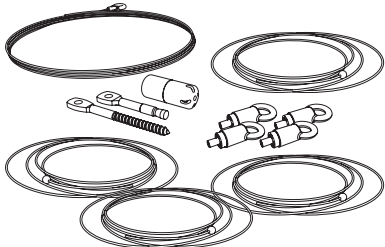
Pre-assembled 72"
Clario Cloud Baffle

(×1)

Eye Bolt Lag Bit
3-15-8812

(×2)

**Clario Cloud 4 Point
Sputnik KIT**
3-15-1933-K

=

(×2)

3/64" Ø, 8' Cable
with Hook
3-15-1677

+

(×2)

4 Point Sputnik
Cable Connector
3-15-2411

+
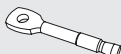
(×8)

3/64" Ø, 48" Cable
with Terminal End
3-15-1933

+

(×2)

Concrete Screw
with Eye Bolt
3-15-8811

+

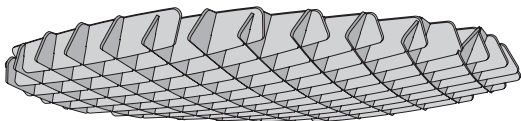(×2)

Wood Lag Screw
with Eye Bolt
3-15-8895

+

(×8)

Ring Gripper
3-15-1989

3form Elements

Overview: 48" Clario Cloud

³⁄₆₄" Ø, 8' Cable
with Hook
3-15-1677

Concrete Screw
with Eye Bolt
3-15-8811

or

Wood Lag Screw
with Eye Bolt
3-15-8895

8' max cable
length (2438mm)

Pre-assembled 48"
Clario Cloud Baffle

Ring Gripper
3-15-1989
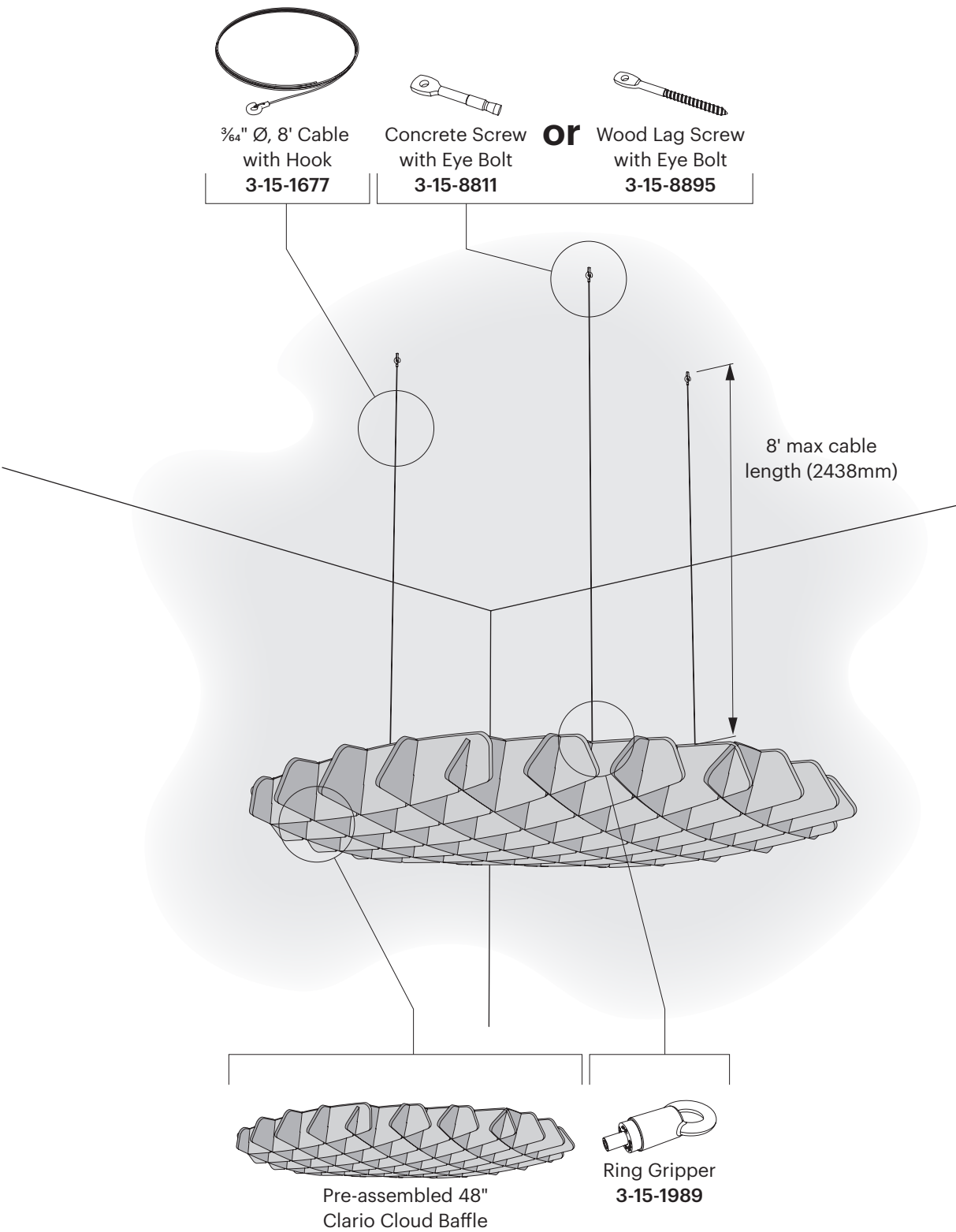
Overview: 72" Clario Cloud

Unassembled 72" Clario Cloud Baffle Fins

Concrete Screw
with Eye Bolt
3-15-8811

or

Wood Lag Screw
with Eye Bolt
3-15-8895

8' max cable to
Sputnik (2438mm)

Cable length from
Sputnik to Clario
4' maximum
30" recommended
20" minimum

¾₄" Ø, 8' Cable
with Hook
3-15-1677

4 Point Sputnik
Cable Connector
3-15-2411

+

¾₄" Ø, 48" Cable
with Terminal End
3-15-1933

+

Ring Gripper
3-15-1989
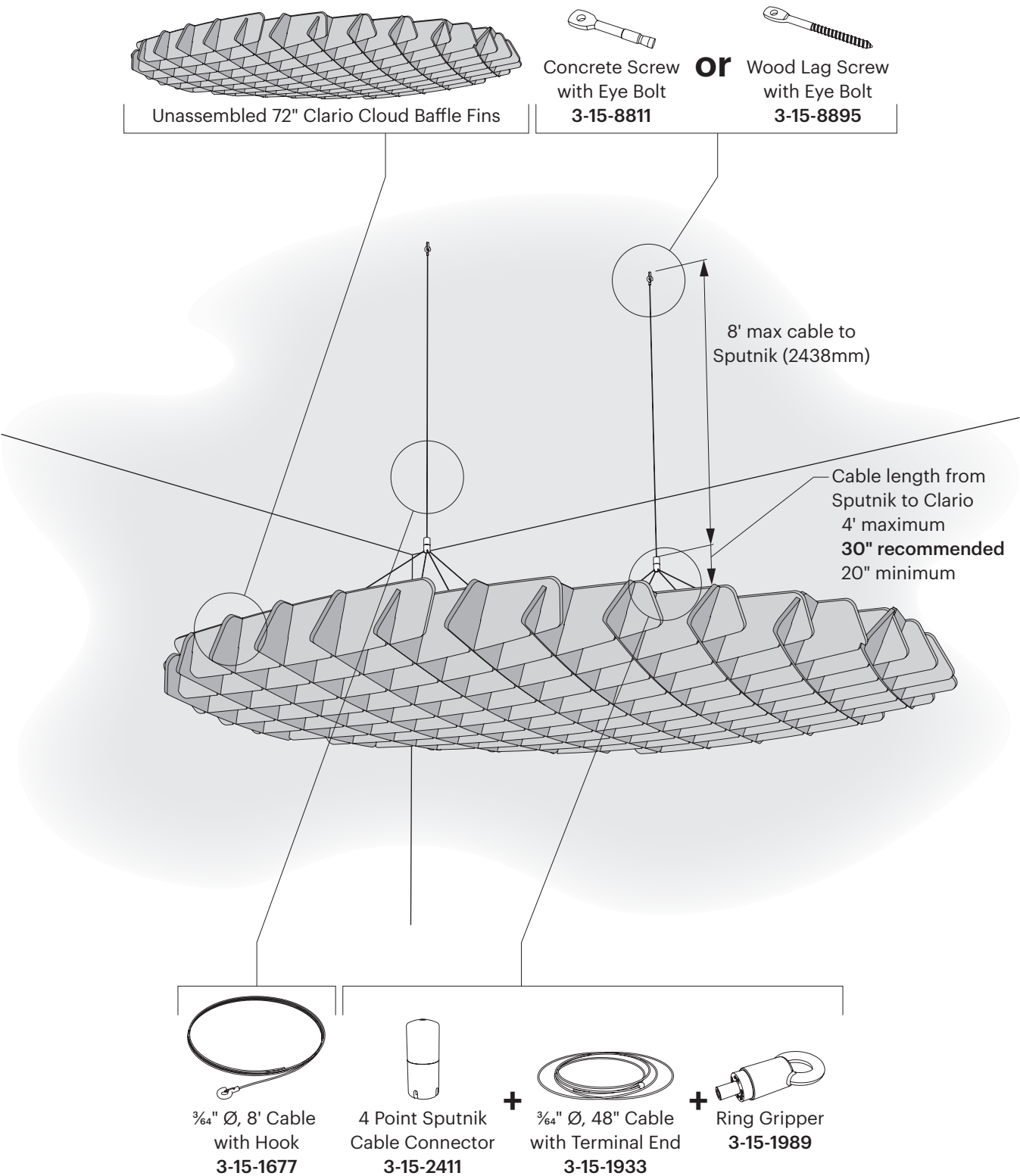
Installation: 48" Clario Cloud

Required Tools
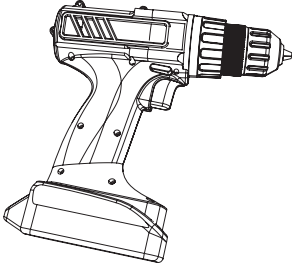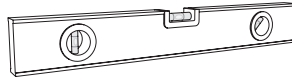
Drill	Drill Bits	Level	Laser Level	Cable Cutters	Glue
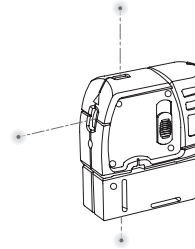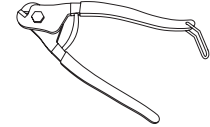
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1 Position Clario Clouds and Mark Mounting Location

3form recommends creating a square template based on the outside dimension of the Clario Cloud, using something like a thin piece of wood or cardboard. Then using the dimensions provided here mark the pick points for your installation as needed. Multiple templates may be helpful with a larger installation of clouds. The pre-installed Clario Cloud Hooks can be used with a laser level to help determine the best anchoring locations for the site conditions.

14.1"

19"

14.5"

11.25"

48"×48"
Template

20.85"

13.7"

Ø48"

Installation: 48" Clario Cloud

2 Install Cables and Eye Bolts into Mounting Surface (×3)

a

3-15-8895 or 3-15-8811

b

3-15-1677

3 Attach Cable to Clario Cloud

a Mark lengths of the cables (depending on the chosen height) using a permanent marker.

b

Thread cables through Ring Grippers (3-15-1989), pull through until Ring Gripper hits your mark.

c

Hook Ring Gripper to the Clario Cloud Hooks (attachment points on the cloud).
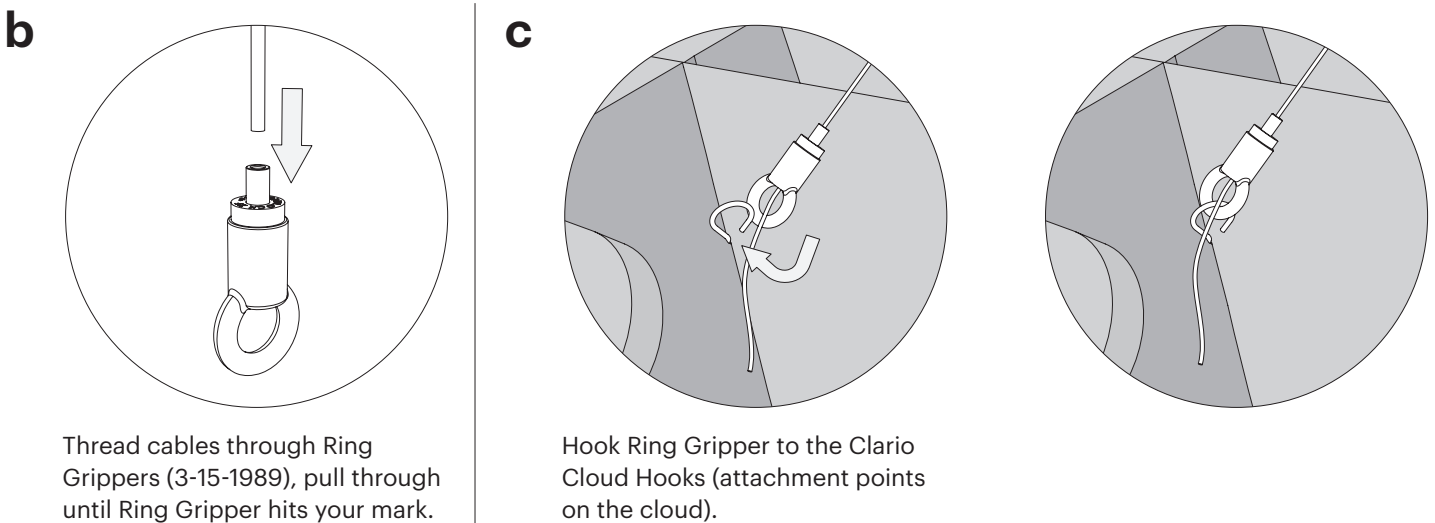
Installation: 48" Clario Cloud

4 Level the Clario Cloud

Make sure cloud is level
from all sides. Make micro
adjustments at each ring
gripper if needed.
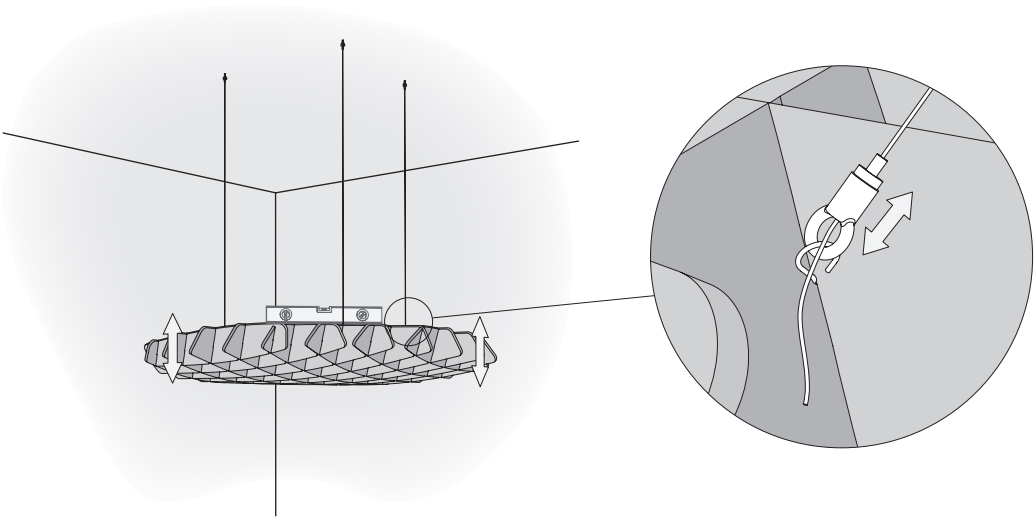
5 Trim Cables and Glue Ends

a

b

3form Elements

Installation: 72" Clario Cloud
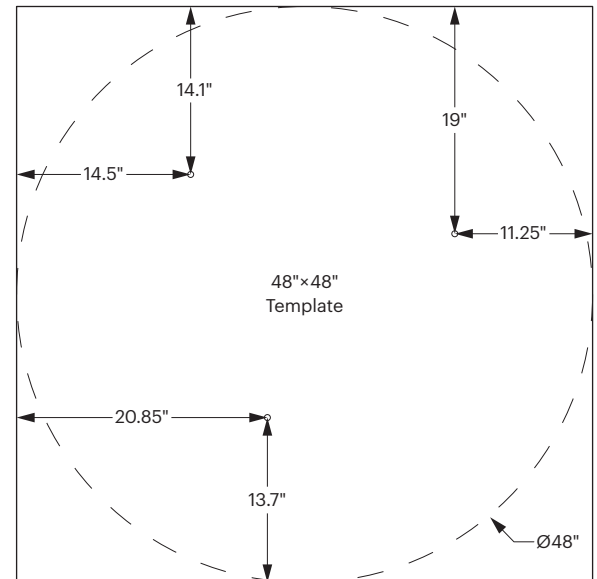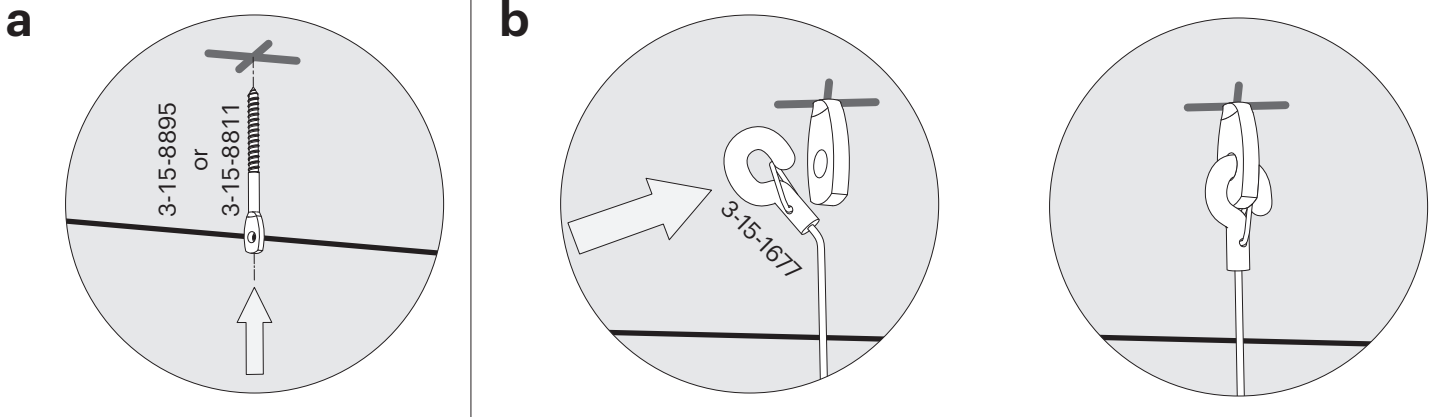
1 Position Clario Cloud and Mark Mounting Locations

3form recommends creating a square template based on the outside dimension of the Clario Cloud, using something like a thin piece of wood or cardboard. Then using the dimensions provided here mark the pick points for your installation as needed. Multiple t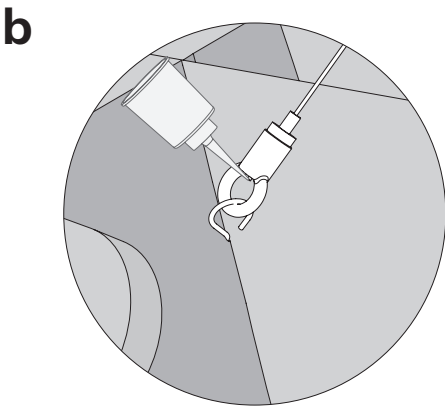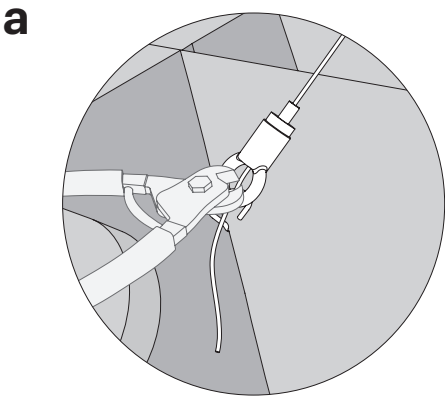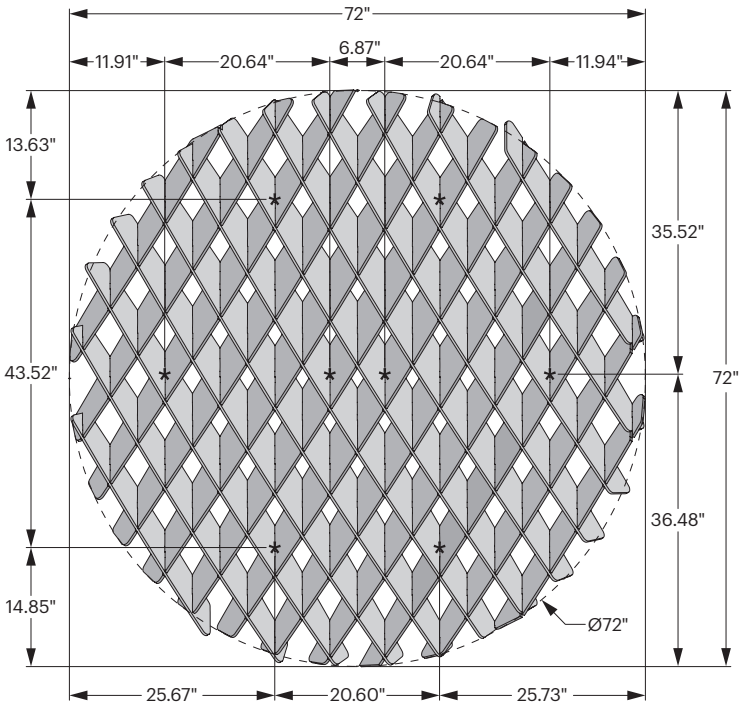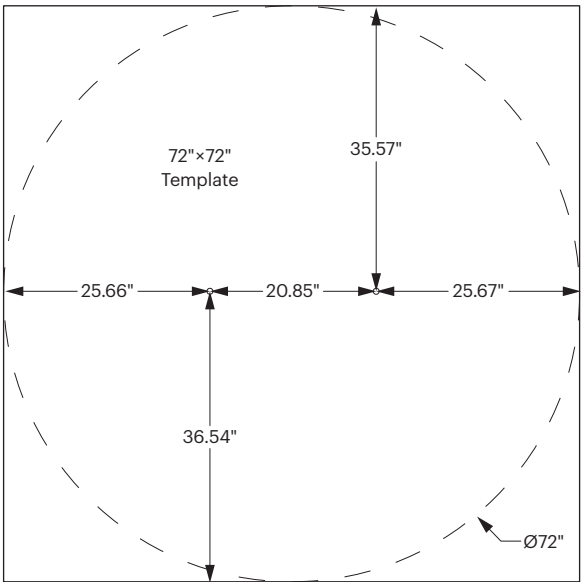emplates may be helpful with a larger installation of clouds. See top diagram for location of where the cables attach to the 4 Point Sputniks above the Clario Cloud to determine mounting location. For installations without Sputniks see lower diagram for hook locations.

72"×72" Template

35.57"

25.66" 20.85" 25.67"

36.54"

Ø72"

72"

11.91" 20.64" 6.87" 20.64" 11.94"

13.63"

35.52"

43.52"

72"

14.85"

36.48"

Ø72"

25.67" 20.60" 25.73"
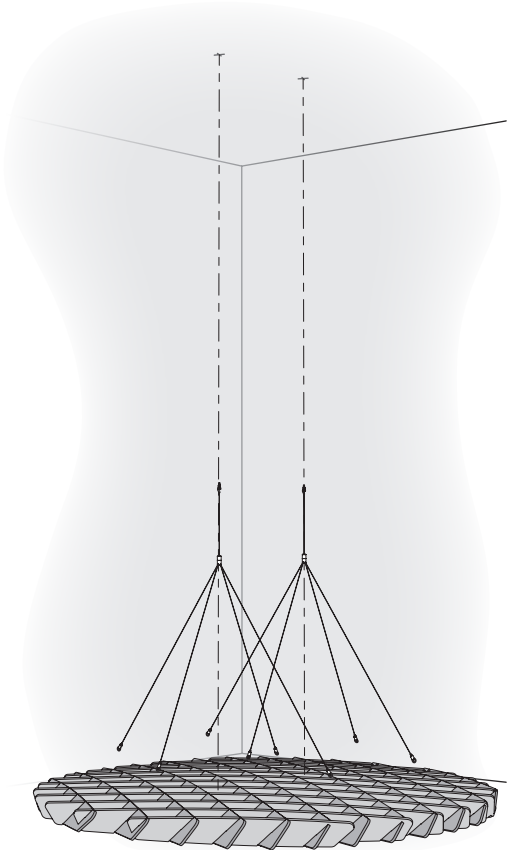
✳ = Location where hooks are located

For more information, please visit 3-form.com/Elements or call 800.726.0126

Installation: 72" Clario Cloud

2 Install Cables and Eye Bolt into Mounting Surface.

a

3-15-8895
or
3-15-8811

b

3-15-1677
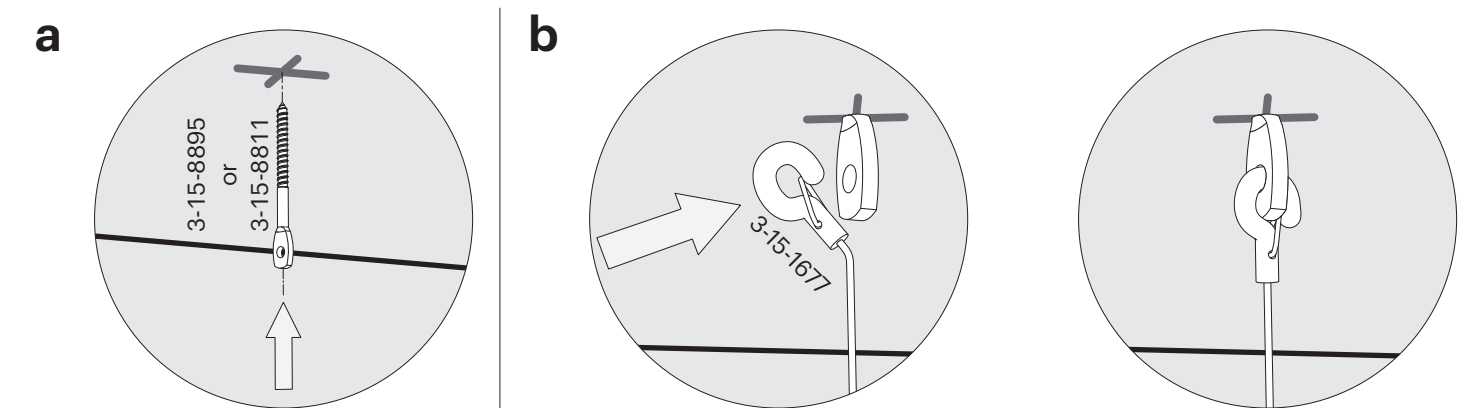
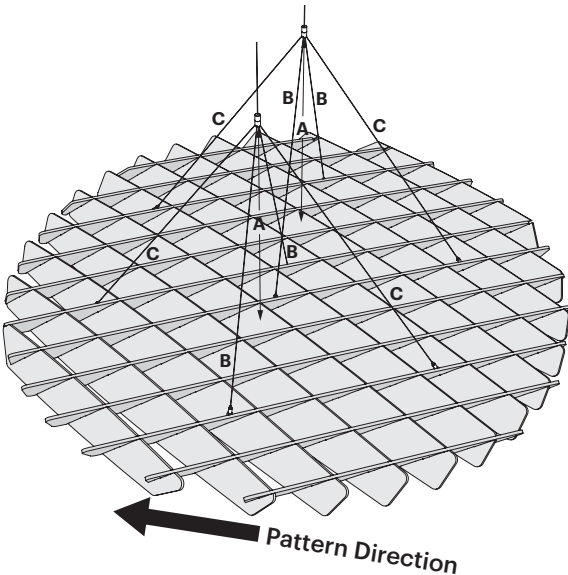**3** Assemble 4 Point Sputnik Hanging Anchor

3form recommends installing Sputnik with 30" from top of Clario Cloud to bottom of Sputnik, minimum distance of 20". If using a distance below the recommended 30" height the installer should plan on more time for installation and leveling of the system.

30"
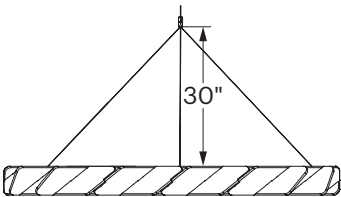
| Top of Clario Cloud to Bottom of Sputnik	Cable Length* Perpendicular to Pattern Direction	Cable Length* Parallel to Pattern Direction
A	B	C
30" (recommended)	38.4"	39"
20" (minimum)	30.5"	31.2"

Cable lengths are measured from the far end of the ring-side of the Ring Gripper (3-15-1989) to where the cable enters the Sputnik.
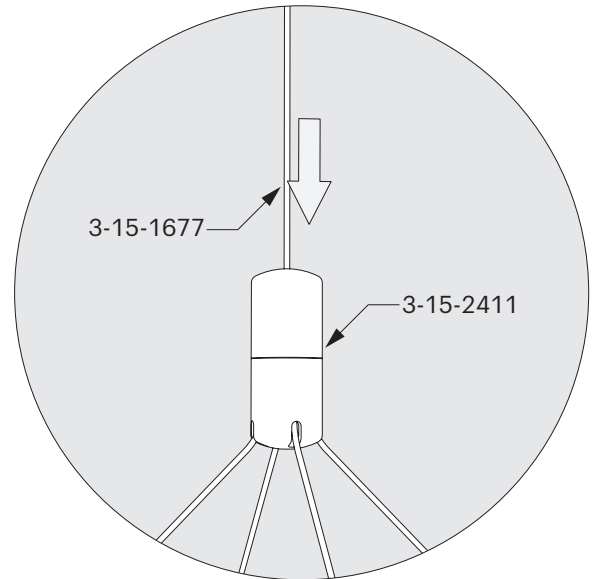
Pattern Direction

Installation: 72" Clario Cloud

3 Assemble 4 Point Sputnik Hanging Anchor *cont...*

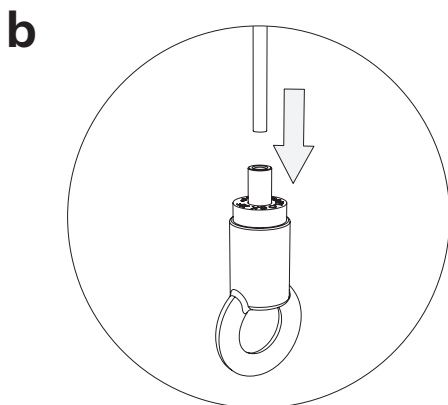**a** Insert ⁹⁄₆₄" cables (3-15-1933) into base and attach base.

3-15-1933 (×4)
3-15-2411
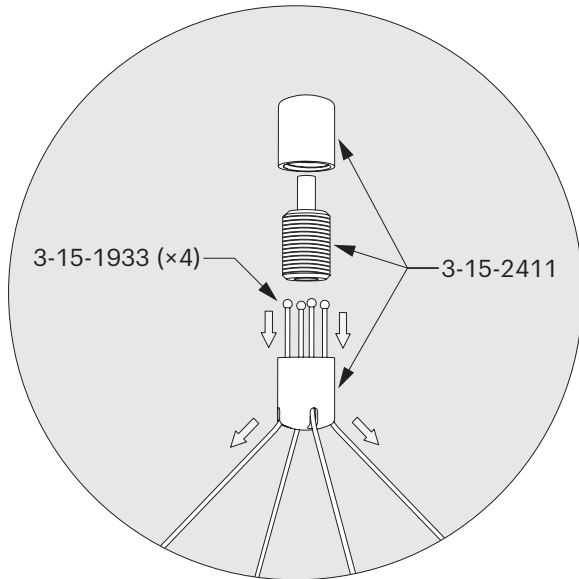
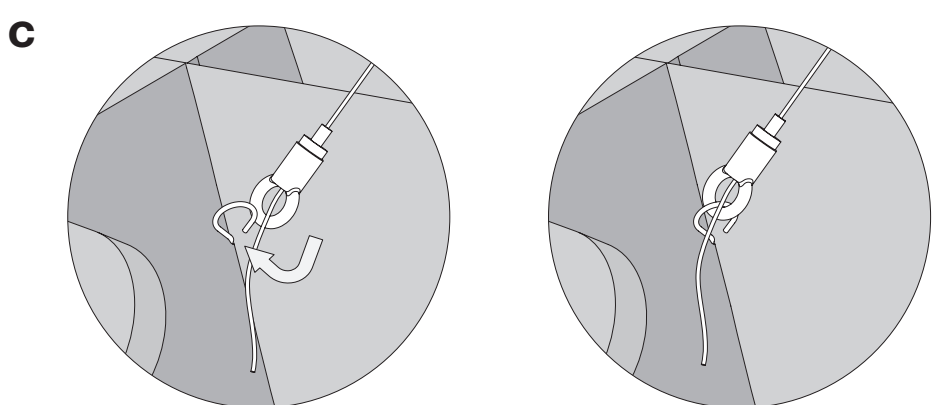**b** Insert cable (3-15-1677) hanging from the ceiling.

3-15-1677
3-15-2411

4 Attach Cable to Clario Cloud

a Mark lengths of the cables (depending on the chosen height) using a permanent marker.

b

Thread cables through Ring Grippers (3-15-1989), pull through until Ring Gripper hits your mark.
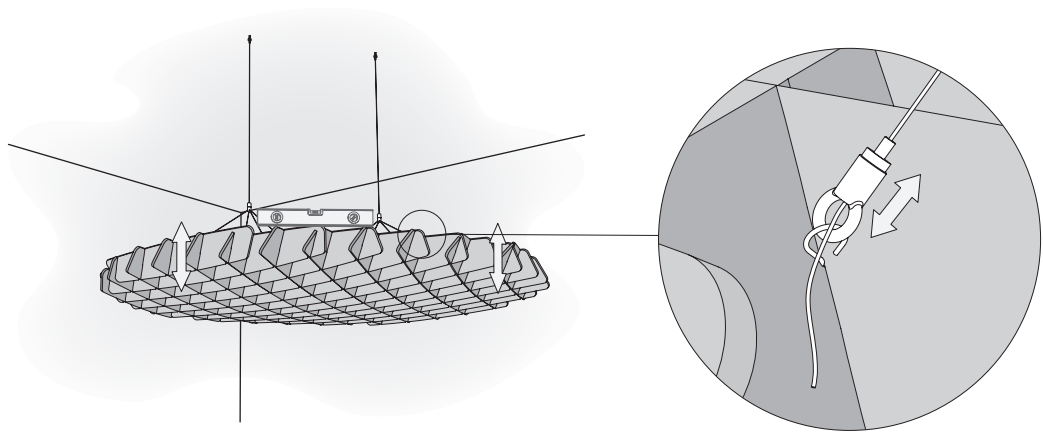
c

Hook Ring Gripper to the Clario Cloud Hooks (attachment points on the cloud).
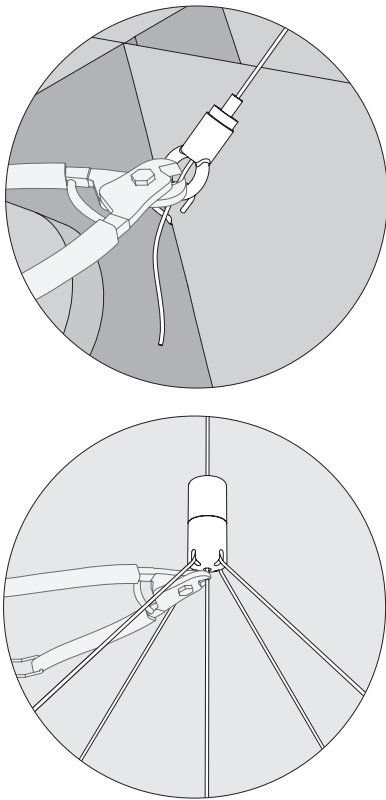
Installation: 72" Clario Cloud

5 Level the Clario Cloud

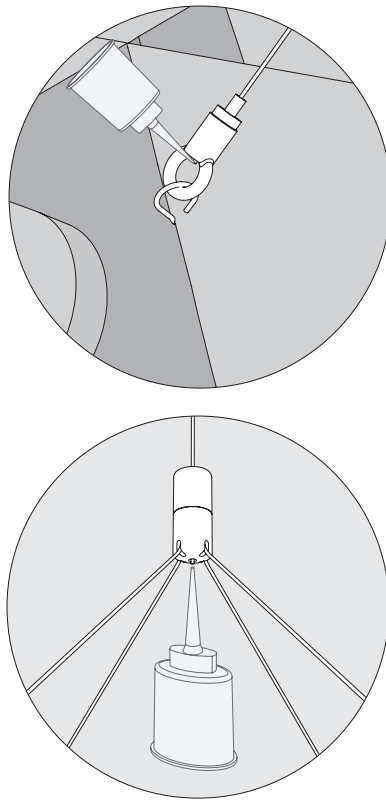Make sure cloud is level from all sides. Make micro adjustments at each ring gripper if needed.

6 Trim Cables and Glue Ends

a

b

For more information, please visit 3-form.com/Elements or call 800.726.0126 **11**

Product Description

Clario Cloud is a felt ceiling system that adds textures, color and acoustic performance to your space. The system is made from 16 or 24 individual fins that are assembled to create a beautiful aesthetic. Available in a variety of Sola Felt colors.
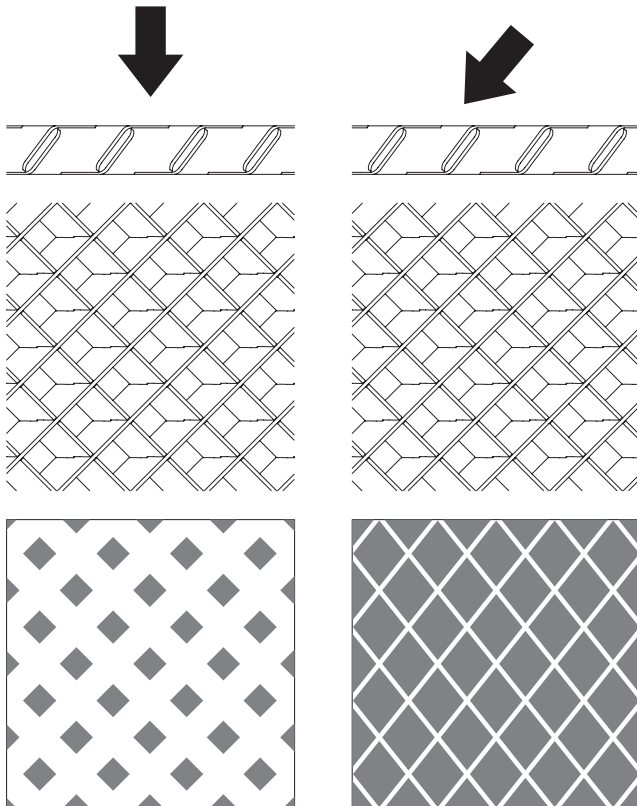
Available Finishes

Clario can be specified in a variety of color options.
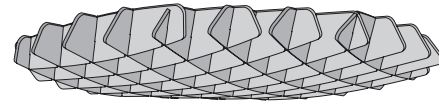
See 3form's Sola Felt colors at:
https://www.3-form.com/materials/sola-felt
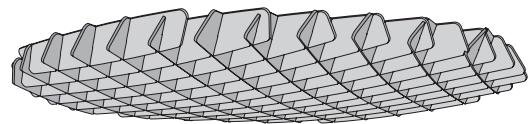
Openness of Clario Cloud Modules

21.5%   **89%**

Design Options

48" Clario Cloud

72" Clario Cloud

Panel Weight

Panel Size	Panel Weight
48"	11 lbs/module
72"	24 lbs/module

Sound Absorption Test Results

Material	Test - ASTM C423-09	Result
Sola Felt	Noise Reduction Coefficient	0.75
Sola Felt	Alpha-W	0.70MH
Sola Felt	Sound Absorption Average	0.77

Flammability and Smoke Test Results -

Building Code Approvals

Clario Cloud Modules have been independently tested and meet the criteria for approved interior finishes as described in the 2018 International Building Code®.

Test	Clario Cloud	Result
ASTM E84 Flame Spread Smoke Generated	50 300	Class B: 26-75 <450
CAN/ULC 102.2 Flame Spread Smoke Generated	75 200	See Building Code of Canada