# SQUERO ACOUSTIX SPOKE

## LUMENWERX

PENDANT
BLANK

**5 YEAR WARRANTY**

Project: _____

Type: _____



Squero Acoustix Blank Pendant X Spoke 2 ft

## DESCRIPTION

Squero Acoustix Spoke Blank fixtures are unlit acoustic forms designed to preserve the formal integrity and continuity of a lighting design. Detailed with a crisp flat end cap, they are available in 30 PET felt colors (10 standard and 20 premium).

## Order Guide

| LUMINAIRE ID | LUMINAIRE HEIGHT | NON-POWERED MOUNTING [1] |
|---|---|---|
| **SQUACOBPY2** - Squero Acoustix Blank Pendant Y Hub Spoke 2 ft<br>**SQUACOBPY3** - Squero Acoustix Blank Pendant Y Hub Spoke 3 ft<br>**SQUACOBPX2** - Squero Acoustix Blank Pendant X Hub Spoke 2 ft<br>**SQUACOBP60V2** - Squero Acoustix Blank Pendant 60 deg V Hub Spoke 2 ft<br>**SQUACOBP60V3** - Squero Acoustix Blank Pendant 60 deg V Hub Spoke 3 ft<br>**SQUACOBP60V4** - Squero Acoustix Blank Pendant 60 deg V Hub Spoke 4 ft<br>**SQUACOBP90V2** - Squero Acoustix Blank Pendant 90 deg V Hub Spoke 2 ft<br>**SQUACOBP90V3** - Squero Acoustix Blank Pendant 90 deg V Hub Spoke 3 ft<br>**SQUACOBP90V4** - Squero Acoustix Blank Pendant 90 deg V Hub Spoke 4 ft<br>**SQUACOBP120V2** - Squero Acoustix Blank Pendant 120 deg V Hub Spoke 2 ft<br>**SQUACOBP120V3** - Squero Acoustix Blank Pendant 120 deg V Hub Spoke 3 ft<br>**SQUACOBP120V4** - Squero Acoustix Blank Pendant 120 deg V Hub Spoke 4 ft | **8IN** - 8"<br>**12IN** - 12"<br>**16IN** - 16" | **ACS** - Aircraft cable, standard<br>**STS** - Stem, standard<br>**ACC( )** - Aircraft cable, custom<br>**STC( )** - Stem, custom<br><br>[1] See page 2 for ordering details. |

| FELT COLOR | | OPTIONS |
|---|---|---|
| **STANDARD COLORS** | **PREMIUM COLORS** [2,3] | **CTB9** [4] - T-bar caddy clip, 9/16"<br>**CTB15** [4] - T-bar caddy clip, 15/16"<br>**CTG9** [4] - Tegular caddy clip, 9/16"<br>**CTG15** [4] - Tegular caddy clip, 15/16"<br>**CST** [4] - Screw slot caddy clip<br>**NA** - None<br><br>[4] Available with aircraft cable only. |
| FWN   LVN<br>FON   LEN<br>ION   CYN<br>TBN   PMN<br>MDN   FGN | PKN   CDN   IVN   BHN<br>OGN   LCN   SLN   CFN<br>LNN   SYN   CNN   GRN<br>LMN   BLN   GHN   MON<br>EGN   NVN   CLN   ESN<br><br>[2] Please consult factory for more color options.<br>[3] Lead time may vary. | |

cETLus LISTED
Intertek

WELL

# SQUERO ACOUSTIX SPOKE

**LUMENWERX**

PENDANT
BLANK

## Pendant Mounting Code

### Standard

For a standard mounting, please refer to the information below.

| MOUNTING | |
|---|---|
| **ACS** - Aircraft cable, standard | **STS** - Stem, standard |
| Ø3" for non-power<br>Canopies are white<br>Aircraft cable length is 36" | Ø5" for non-power<br>Canopies are white<br>Stem finish is the same color as fixture<br>Stem length is 18"<br>Stem is not field adjustable |

### Custom

#### Aircraft Cable

For a custom mounting, specify the options in the parentheses.

Example: ACC(3NPC-72IN-W-SLC)

| MOUNTING | | | | |
|---|---|---|---|---|
| **ACC( )** | | | | |
| | NON-POWER CANOPY SIZE | AIRCRAFT CABLE LENGTH | CANOPY FINISH | OPTIONS |
| ACC | **3NPC** - Ø3" non-power canopy<br>**5NPC** - Ø5" non-power canopy | **36IN** - 36"<br>**72IN** - 72"<br>**120IN** - 120"<br>**#IN** [1] - Other lengths, specify in inches<br><br>[1] Maximum length is 288". For longer lengths, please consult factory. | **W** - Matte white<br>**AL** - Aluminum<br>**B** - Matte black<br>**CF#** - Custom finish, specify RAL# | **SEM** - Seismic mounting<br>**SLC** - Sloped ceiling for aircraft cable<br>**NA** - None |

#### Stem

For a custom mounting, specify the options in the parentheses.

Example: STC(5NPC-36IN-W-STW-SLS)

| MOUNTING | | | | | |
|---|---|---|---|---|---|
| **STC( )** | | | | | |
| | NON-POWER CANOPY SIZE | STEM LENGTH | CANOPY FINISH | STEM COLOR | OPTIONS |
| STC | **5NPC** - Ø5" non-power canopy | **18IN** - 18"<br>**36IN** - 36"<br>**#IN** [2] - Specify length in inches<br><br>[2] Minimum length is 6". Maximum length is 72". Stem is not field adjustable. | **W** - Matte white<br>**AL** - Aluminum<br>**B** - Matte black<br>**CF#** - Custom finish, specify RAL# | **STW** - Matte white<br>**STAL** - Aluminum<br>**STB** - Matte black<br>**STCF#** - Custom finish, specify RAL# | **SLS** - Sloped ceiling for stem<br>**NA** - None |

cETLus
Intertek

WELL

# SQUERO ACOUSTIX SPOKE

**LUMENWERX**

PENDANT
BLANK

## Standard Color Options
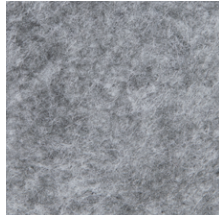
| | | | | |
|---|---|---|---|---|
| **FWN** - FROST WHITE | **FON** - FOG | **ION** - IRON | **TBN** - TRUE BLACK | **MDN** - MIDNIGHT BLUE |
| **LVN** - LAVENDER | **LEN** - LATTE | **CYN** - CHERRY | **PMN** - PLUM | **FGN** - FOREST GREEN |
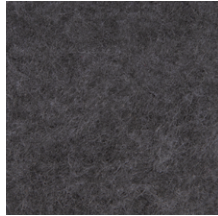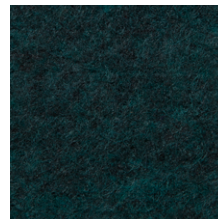
## Premium Color Options*

| | | | | |
|---|---|---|---|---|
| **PKN** - PAPRIKA | **OGN** - ORANGE | **LNN** - LEMON | **LMN** - LIME | **EGN** - EVERGREEN |
| **CDN** - CLOUDY | **LCN** - LICHEN | **SYN** - SKY | **BLN** - BLUEBERRY | **NVN** - NAVY |
| **IVN** - IVORY | **SLN** - STEEL | **CNN** - CARBON | **GHN** - GRAPHITE | **CLN** - CHARCOAL |
| **BHN** – BLUSH | **CFN** - CAFÉ | **GRN** - GREIGE | **MON** - MOCHA | **ESN** - ESPRESSO |
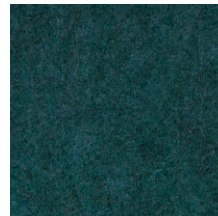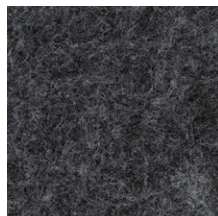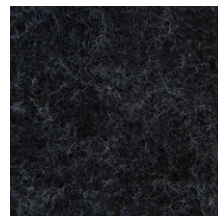
*Please consult factory for more color options.
*Lead time may vary.

ETL LISTED Intertek

WELL

# SQUERO ACOUSTIX SPOKE

**LUMENWERX**

PENDANT
BLANK

## Dimension



8"
12"
16"

2 5/8"
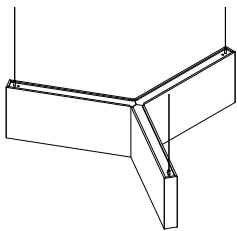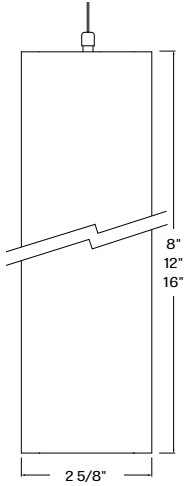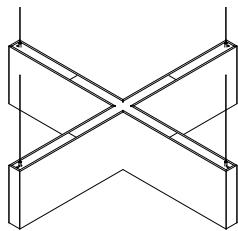


**Y Hub Spoke**



**X Hub Spoke**
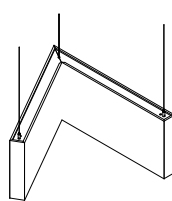


**60 Deg V Hub Spoke**
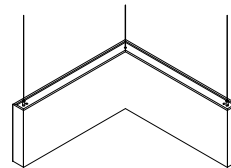


**90 Deg V Hub Spoke**
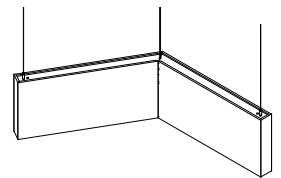


**120 Deg V Hub Spoke**
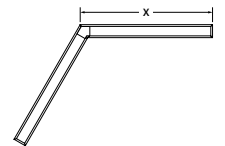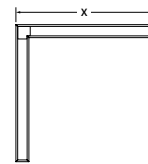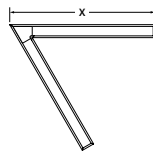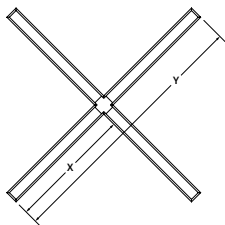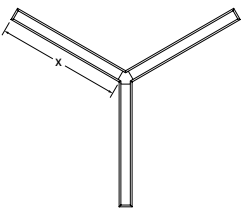
| Y HUB SPOKE | X | |
|---|---|---|
| 2 ft | 24 15/16" | |
| 3 ft | 36 15/16" | |

| X HUB SPOKE | X | Y |
|---|---|---|
| 2 ft | 24 15/16" | 52 1/4" |

| 60 Deg V HUB SPOKE | X |
|---|---|
| 2 ft | 29 1/8" |
| 3 ft | 41 1/16" |
| 4 ft | 45 1/16" |

| 90 Deg V HUB SPOKE | X |
|---|---|
| 2 ft | 29 1/8" |
| 3 ft | 41 1/16" |
| 4 ft | 45 1/16" |

| 120 Deg V HUB SPOKE | X |
|---|---|
| 2 ft | 29 1/8" |
| 3 ft | 41 1/16" |
| 4 ft | 45 1/16" |

ETL
Intertek

WELL

# SQUERO ACOUSTIX SPOKE    LUMENWERX

PENDANT
BLANK

## Acoustic Calculator

Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic luminaires required in a space by fixture type. We have three levels of recommended sound reduction: good, better, and best. Choosing one of these options will reduce the sound accordingly. The best option indicates the best acoustic improvement. Calculations are based on a standard ceiling height of 9 feet.



① Calculate the square feet of your room (L x W).

② Choose the level of acoustical improvement you are looking for, and find the corresponding value based on your room dimension and luminaire configuration.

| % in reduction in reverberation time | | |
|---|---|---|
| ☺ GOOD | 25% |
| ☺☺ BETTER | 40% |
| ☺☺☺ BEST | 50% |

③ Use the Lumenwerx Acoustix Value Formula to determine the number of luminaires needed in the room.

### Square feet ÷ Value = Number of luminaires

Example:

**Luminaires**: Squero Acoustix Blank Pendant Y Hub Spoke 2 ft, 12" high
**Room square feet**: L: 20 ft x W: 18 ft = 360 sq ft
**Desired acoustical improvement**: Better = 33
**Number of luminaires needed in the room**: 360 ÷ 33 = **11 luminaires**

| LUMINAIRE | HEIGHT | Room dimensions under 300 sq ft | | | Room dimensions over 300 sq ft | | |
|---|---|---|---|---|---|---|---|
| | | GOOD ☺ | BETTER ☺☺ | BEST ☺☺☺ | GOOD ☺ | BETTER ☺☺ | BEST ☺☺☺ |
| Y Hub Spoke 2 ft | 8" | 29 | 14 | 9 | 44 | 23 | 15 |
| | 12" | 44 | 21 | 12 | 68 | 33 | 21 |
| | 16" | 57 | 29 | 18 | 87 | 44 | 29 |
| Y Hub Spoke 3 ft | 8" | 43 | 20 | 14 | 65 | 34 | 23 |
| | 12" | 65 | 32 | 18 | 101 | 50 | 32 |
| | 16" | 86 | 43 | 27 | 131 | 65 | 43 |
| X Hub Spoke 2 ft | 8" | 38 | 18 | 12 | 58 | 30 | 20 |
| | 12" | 58 | 28 | 16 | 90 | 44 | 28 |
| | 16" | 76 | 38 | 24 | 116 | 58 | 38 |
| V Hub Spoke 2 ft | 8" | 19 | 9 | 6 | 29 | 15 | 10 |
| | 12" | 29 | 14 | 8 | 45 | 22 | 14 |
| | 16" | 38 | 19 | 12 | 58 | 29 | 19 |
| V Hub Spoke 3 ft | 8" | 29 | 14 | 9 | 44 | 23 | 15 |
| | 12" | 44 | 21 | 12 | 68 | 33 | 21 |
| | 16" | 57 | 29 | 18 | 87 | 44 | 29 |
| V Hub Spoke 4 ft | 8" | 38 | 18 | 12 | 58 | 30 | 20 |
| | 12" | 58 | 28 | 16 | 90 | 44 | 28 |
| | 16" | 76 | 38 | 24 | 116 | 58 | 38 |

NOTES:
- You can mix lit and blank fixtures.
- Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.

ETL
c us
Intertek

WELL

# SQUERO ACOUSTIX SPOKE **LUMENWERX**

PENDANT
BLANK

## Technical Specifications

**WELL for Sound** - This luminaire is recommended for use as an acoustical absorption surface to limit reverberation times (RT) in a given space. This luminaire contributes to noise reduction and vibration dampening to promote focus and concentration. Reverberation needs to be calculated in each space based on the materials used.

### LUMINAIRE SHAPE
Squero Acoustix Spoke Blank is available in 3 shapes, Y, X, and V spoke, and 3 height options, 8", 12", and 16". Y spoke comes in 2' and 3' options, and X spoke comes in 2' only. V spoke comes in 2', 3', and 4' options, and in 60°, 90°, and 120° V configurations.

### ACOUSTIC FINISH
Material is 100% polyester containing up to 50% of recycled plastic bottles (PET) with an ASTM E-84 Class A fire rating and is moisture resistant.

### CARE
Remove dust and debris by wiping down with a clean, dry or damp, soft, lint-free cloth, or vacuum.

### CONSTRUCTION
**Hubs** - Digitally milled from solid aluminum
**Hanger** - Chromed griplock securely attached in end caps and/or joiners with stainless steel hardware
**Aircraft cable suspension** - 7x7 braids stainless steel air craft cable 0.05" thick
**Stem** - 0.5" diameter threaded steel tube matte white or aluminum powder coating. Custom finishes are also available.

### WEIGHT
**Squero Acoustix Spoke Blank - (16in fixture)**

|  | Spoke Length | Weight (LB) | Weight (KG) |
|---|---|---|---|
| Y Hub | 2 ft | 2.48 | 1.12 |
|  | 3 ft | 3.7 | 1.68 |
| X Hub | 2 ft | 3.36 | 1.52 |
| 60 deg V Hub | 2 ft | 1.56 | 0.71 |
|  | 3 ft | 2.37 | 1.08 |
|  | 4 ft | 2.98 | 1.35 |
| 90 deg V Hub | 2 ft | 1.64 | 0.74 |
|  | 3 ft | 2.45 | 1.11 |
|  | 4 ft | 3.06 | 1.39 |
| 120 deg V Hub | 2 ft | 1.67 | 0.76 |
|  | 3 ft | 2.48 | 1.12 |
|  | 4 ft | 3.09 | 1.40 |

### WARRANTY
Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

ETL Intertek   c ETL us   WELL