

Qmotion®



Product Guide

Roller Shade Collection

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QMotion, a brand of Legrand, manufactures automated window coverings that are assembled in the United States and sold by a network of premium dealers and partners. QMotion's industry-leading product line includes motorized roller shades, honeycomb shades and motorized drapery rods, are safe by design with no cords and can help reduce energy costs. The Qadvanced Roller Shades and Honeycomb Shades are the only automated products on the market that feature a patented manual override.

QMotion has won a total of 20 awards in the last few years for its unsurpassed innovation.





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The QMotion Difference

QMotion shading systems are developed for simplicity, superior function and aesthetic elegance. QMotion has focused on developing automated window coverings that move quietly, more efficiently, and have batteries that last years longer than others.

- Low voltage 1-way or hardwired with ZigBee HA1.2 2-way communications.
- Easy to program.
- With battery operated shades, simple installation - no wires.
- Whisper quiet motors.
- Industry leading 1/2" light gaps.
- Evenly distributed on both sides.
- Side channels & sill angles optionally available.
- Patented manual override system.
- Patented counterbalance system.
- Integrated Safety Stop.

QMotion Qadvanced motorized roller shades are available in battery or wired configurations. Battery operated shades have 2 communication options to choose from:

- our new Gen 3 proprietary protocol, 1-way communication.
- Qadvanced with ZigBee HA1.2 (Home Automation v 1.2) specification for 2-way communications.

Qadvanced wired options now include:

- Low voltage using 22AWG/24V wires with Gen 3 proprietary protocol, 1-way communication.
- Qadvanced Intelligent System (QIS) hardwired, uses standard Cat5e or Cat6 cable for both power and communications. QIS shades may be used with our wired wall switches and/or wireless remote controls using the ZigBee HA1.2 specification.

Manual roller shades are available in two configurations:

- Qfree shades are identical in appearance to motorized shades, safe by design as they are free of external cords and wires.
- Qbasic are a clutch type of manual shade with nickel plated chain. The easy pull gear reduction clutch allows for a smooth operation requiring low force to lower or raise the shade.

Through its patented design, QMotion offers the largest size of long-lasting battery-operated shades in the market. QMotion is also the only automated window treatment company that offers a patented manual override feature, allowing shading products to be operated by hand, remote, or a smart device.

Our automated roller shades are designed with a built-in safety stop braking system so they do not pass over the top when rising. This protects the motorized shade as well as walls and windows.

Made "safe by design," QMotion is an industry leader in safety standards as all of the Qadvanced motorized roller shades and Qfree manual shades are cord free, making them safe for small children and pets. As well, silence is among the greatest of QMotion's strengths - highlighted by "whisper quiet" design.

Design and decorative options abound in each motorized and non-motorized shade collection. Window coverings are offered in a wide range of functional fabrics and stylish colors as well as a full line of eco-friendly fabrics.



Features

QMotion offers state-of-the-art natural light control with the following benefits:

Several different control options

- QMotion Shades offer the *convenience* of moving the shade up or down, stopping at the top, the bottom, two, three or four programmable intermediate stops, or anywhere in between; all with the ease of a button press.
- *Lose your remote? No problem!* All Qadvanced roller shades are equipped with a patented manual override feature enabling customers to operate the shades to open or close by a slight tug of the hand without damage to the shade or motor.
 - With a slight tug to the hembar – less than 1”, the shade opens to the next highest position.
 - With a little more tug of the hembar – between 1” – 2”, the shade moves to the full open position.
 - Tug the shade down over 2” and the shade will remain in the position stopped.
 - Two successive tugs of more than 2” in 10 seconds will move shade to full open position.
- *Want to control multiple shades with just one remote?* QMotion offers several remote controls, depending on the communications protocol you select for your shades. For Gen 3 and ZigBee HA1.2 shades, we offer the QdR Multi Channel Remote which can control 5 individual shades or 5 groups of shades all with one remote control. All Multi Channel Remotes have an “All” Channel, which controls all shades programmed to the remote. Each channel can have an unlimited number of shades programmed to it.

Unmatched quietness

- QMotion engineers developed a shade with quiet operation for a beautiful and peaceful experience. Their counterbalanced movement is smooth and quiet due to precision steel ball bearings that minimize friction and reduce the amount of power needed for operation. They can operate in

groups, and are advantageous for heat/energy management.

Distinctive designs

- Generous fabric collection of light filtering, decorative and beautiful, room darkening materials.
- **Industry leading light gaps** on the sides of the shades as small as 1/2” gap on each side, providing the most uniform and highest level of window coverage. Qadvanced only.
- Fabric width is 1” narrower than the specified bracket to bracket dimensions. Qadvanced only.

Unparalleled simplicity

- QMotion battery automated shades are powered by an internal pack of standard D-cell or AA batteries depending upon shade size.
- The estimated average battery life is three years or more, dramatically reducing maintenance cost and adding convenience. (Shade size, usage and installation environment determine actual battery life.)
 - No cords - No electrician
 - No wires - No special tools
- QMotion battery operated shades are shipped with the batteries installed in the shade tube, for the convenience of our customers and ease of installation.



Options

QMotion shading systems allow for a customized experience.

The look you want

- QMotion shades offer *several choices of fascia* to conceal the top of the roller shade tube and brackets. Choices include a painted fascia and a fabric wrapped fascia.

The design you need

- Shades come in *either standard roll or reverse roll*. Standard roll shades have the fabric rolling off the back of the roll, close to the window, while reverse roll shades come off the front of the shade roll, and are further from the window glass. Reverse roll may be a preference for design purposes, or may be needed to permit the shade to lower clear of window obstructions.

The number you want

- Our *dual shade system* allows users to choose a combination of two shades on the same window. Often used with a light filtering fabric in the front and with a room darkening fabric closest to the glass, QMotion dual shades are an excellent way to double treat a window in a small space.

The choice you prefer

- Transformer low voltage power supply is a wired power solution for those who want the benefits of QMotion Automated Shades with a connection to the facility electrical system. Low voltage uses 22AWG/24V wires from the shade controller, controlled with same wireless RF remote as Gen 3 battery shades. Available in a single unit, or one which can power up to four shades, or in a panel solution for as many as 16 shades. Low voltage shades deliver all the benefits of QMotion technology.
- Qadvanced Intelligent System (QIS) hardwired

shades use a power and communication panel with 8 ports for connecting a combined total of 8 shades and wall switch to a single panel. QIS power and communication uses off-the-shelf Cat5e or Cat6 cables. QIS shades can be connected to an automation system for control, hardwired to a single or double wall switch, or wirelessly with the Qube gateway for ZigBee HA1.2 wireless connection to QdR remotes.

- Battery powered QMotion Shades offer the same benefits as low voltage powered shades, and add the ability to install in difficult situations as well as function in the absence of electrical supply, without the need to run power to shades for battery operation. Because QMotion battery powered shades use an internal battery pack, there are no visible battery packs or wires to hide or see.

Safe by Design

- Shades come in an endless range of colors and finishes, but when buying shades for your home, you must consider the way they are operated.
- A shade which is safe by design is one that is cordless or has concealed or tensioned cords.
- Qadvanced and Qfree roller shades are cordless by design.





Window Shading Benefits

QMotion's automated window coverings work smoothly into smart home automation systems for residential use and in light commercial building automation systems, allowing for programmed control of shading systems in the daylighting design.

- Natural Daylighting Control.
- Solar Heat Gain, Reduce Energy Costs.
- UV Protection.

Shading Automation Benefits

- Increase user security & privacy, integrated with lighting and home automation systems.
- Include shades in "scene settings", such as home theater, conference room presentations.
- Timer based actions for raising and lowering shades with lighting, privacy, and security settings.
- Industry exclusive manual override for convenience, safety, and individual preferences.
- People want the ability to control their environment through light, temperature and overall comfort. One of the most effective tools are adaptable automation systems which become an important part of daylighting. They can control glare, temperature, natural and artificial light, and improve overall comfort.
- And when guests or children who aren't familiar with motorized shades tug on the shade – no worries! They won't damage the motor with our patented technology.

Distinctive designs and wide selection of elegant fabrics

Generous fabric collection of light filtering, decorative and beautiful room darkening, blackout materials. Choose from our popular eco-friendly and solar shade fabrics.

Why are solar screen fabrics used?

- Control Natural Light
- Reduce Glare
- Maintain View
- Reduce Heat Gain
- Privacy
- UV Protection

Fabric Choices for Shading Systems

Light Color Fabrics

- Provide high levels of visible transmission.
- Reflect high percentage of light to help keep out heat.
- Preserving levels of natural light, reducing need for artificial lighting.

Dark Color Fabrics

- Reduce visible light transmission (glare).
- Improve transparency during daylight hours, increasing exterior visibility.
- Meld with the glass, becoming almost invisible from the interior and exterior.

Refer to the back of the individual fabric cards for details and specifications of the specific characteristics for our nearly 300 fabric options.





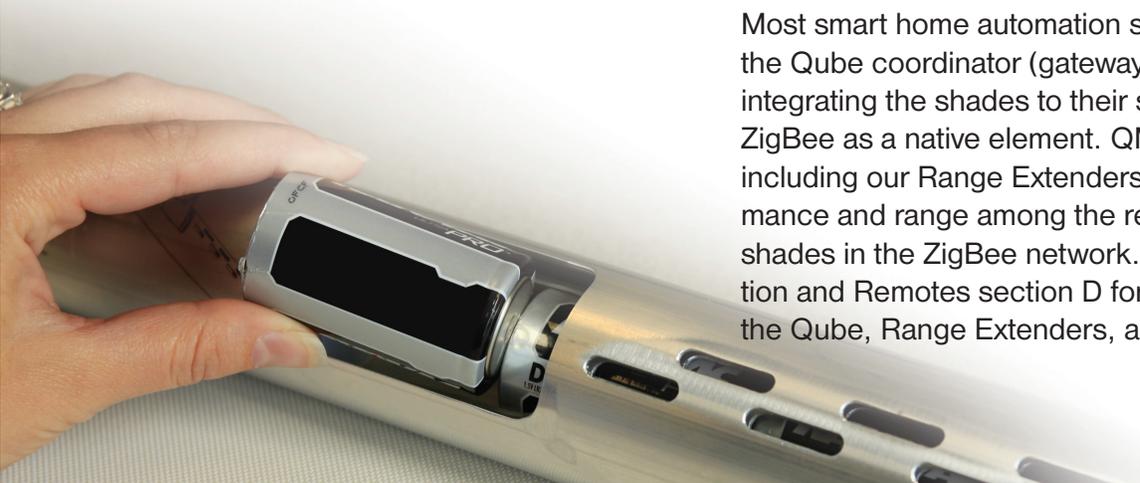
Qadvanced Battery Operated Shades

More choices to suit your client’s needs. Qadvanced battery operated roller shades are now available in three different communication protocols. We’ve enhanced our proprietary protocol in our Gen 3 shades, for those environments that may have a lot of other electronic devices competing for radio air space. And even better, you can now offer your clients 2-way communication with the ZigBee HA1.2 battery operated shades.

Qadvanced Battery Operated Roller Shades with Gen 3

Uses the 3rd generation QMotion proprietary protocol, 1-way communication. Our Gen 3 shades are great for stand-alone applications where there is potential interference from other electronic devices. This protocol may be more consistent and responsive in radio rich environments. Used with the Qsync Gen 3 smart home automation systems integration or stand-alone mobile app for iOS or Android smart devices. The Qsync Gen 3 is used in place of the Qconnect that you are familiar with our Gen 2 shading systems.

Qadvanced Gen 3 roller shades use our QdR Remotes, either single channel or multi channel, and can also be system integrated or smart “app” controlled using our Qsync for Gen 3. The QdR remotes are designed to fit in standard style wall plates. Refer to the Remotes section for more information on the QdR Remotes.



Qadvanced Battery Operated Roller Shades with Zigbee HA1.2

QMotion Qadvanced Battery operated Shades are available using the ZigBee HA1.2 (Home Automation v1.2) specification for 2-way communication. Provides enhanced communication consistency compared to proprietary protocols; comes with built-in signal collision avoidance. QMotion Shades with ZigBee HA1.2 are programmed to “wake up” at set intervals, thus controlling the battery usage in a highly consistent manner. Adding 2-way communication allows for feedback of the shade position with automation apps. Qadvanced shades with ZigBee HA1.2 have all the exclusive features as the Qadvanced Gen 2 shades, such as manual override, quiet motors, narrow light gaps, with the added benefit of the ZigBee network.

Qadvanced shades with ZigBee HA1.2 may be integrated with smart home automation systems or used “stand alone” with the QdR Multi Channel Remote. Most smart home automation systems will require the Qube coordinator (gateway or bridge device) for integrating the shades to their system, if they lack ZigBee as a native element. QMotion recommends including our Range Extenders to enhance performance and range among the remote controls and shades in the ZigBee network. Refer to the Integration and Remotes section D for more information on the Qube, Range Extenders, and QdR Remotes.



Qadvanced Wired Motorized Shades

QMotion Qadvanced Roller Shades now have multiple options for those environments where wiring to the shades is available. In addition to the Low Voltage wired Roller Shades use our 3rd Generation proprietary 1-way communication protocol. The Qadvanced Intelligent System (QIS) is a hardwired shading solution using standard off-the-shelf Cat5e or Cat6 cables for both power and communications to the shades, and also offering the option of ZigBee communication, natively inside the shades themselves.

Qadvanced Low Voltage

The Low Voltage shades use 22AWG/24V connector wires from the shade controller (MCA). Power supply and distribution box options are available. Refer to the Low Voltage Transformer information in Section D for more information.

Our Low Voltage Gen 3 shades are great for stand-alone applications where there is limited potential interference from other electronic devices for remote control. This protocol may be more consistent and responsive in radio rich environments. Used with the Qsync Gen 3 for smart home automation systems integration or stand-alone mobile app for iOS or Android smart devices. The Qsync Gen 3 is used in place of the Qconnect that you are familiar with for our Gen 2 shading systems, and allows for IP integration.

Qadvanced Gen 3 roller shades use our QdR Remotes, either single channel or multi channel, and can also be integrated or smart “app” controlled using our Qsync for Gen 3. These remotes are designed to fit in standard style wall plates. Refer to the Remotes section D for more information on the QdR Remotes.

Qadvanced Intelligent System Hardwired

Qadvanced Intelligent System (QIS) Hardwired Roller Shades use standard off-the-shelf Cat5e or Cat6 cable for both power and communications. You have the option for the connector wire included with the shades for either a male or female end. When ordering QIS shades, you must select connector wire length - 4”, 6”, or 35” and specify male or female connector for each. There is no additional charge for the connector wires. Cat5e or Cat6 cables are not included and must be purchased separately. You

may use shielded Cat5e or Cat6 cables, but it is not required. Some installations where the QIS cables may be close to other wiring, it may be advisable to use shielded cables to protect from possible interference. **NOTE: Do NOT use Power over Ethernet (PoE) or any Ethernet wiring or powering scheme.** This will damage the shade motors and void the warranty.

QIS shades require our Power and Communications Panel with 8 ports (power supply included). The 8 ports connect via RJ-45 connectors for any combination of a total of 8 shades and controls. QIS shades may be used with our wired wall switches and/or wireless remote controls (QdR Remotes) with the Qube (coordinator) device using the ZigBee HA1.2 specification. Total system capacity for one complete QIS system is 200 devices - shades or remotes. **Refer to QIS Roller Shade Application Guide for a system overview, detail specifications on wiring specifications, system capacity and limitations.**

QIS shades may be used in a completely wired installation using our wired Wall Switch Controls (single or double), or integrated with an automation system. Your customers may also want the option of wireless remote control, which is available with ZigBee HA1.2 specification. Used with the Qube (coordinator) device and the QdR Remotes for ZigBee, this can be in a stand-alone environment or used with a smart home automation system using ZigBee HA1.2 specification. Some automation systems communicate in native ZigBee protocol, and the Qube is not required. Please check with your automation system provider for details.

QMotion recommends including our Range Extenders to enhance performance and range between the remote controls and shades in the ZigBee network. Refer to the Integration and Remotes section D for more information on the Qube, Range Extenders, QdR Remotes, and Wall Switch Controls.



Battery Life and Range Expectations

QMotion shades offer the longest battery life in the industry

QMotion Shades lead the industry in battery life with our patented technology by putting the batteries inside the tube, providing superior aesthetics with no power wires or antenna showing.

- Our battery powered shades use D-cell or AA alkaline batteries. The expected battery life for D-cell is up to 3 years, or more, depending on shade size, daily usage, and installation environment. Qadvanced shades with ZigBee HA1.2 are programmed to “wake up” at set intervals, thus controlling the battery usage in a highly consistent manner.
- The battery life for AA alkaline batteries for the narrow shades is up to 1 - 1 1/2 years. For longer battery life, AA lithium batteries can be used instead of alkalines, with a battery life expectancy of 1 1/2 - 2 years.
- As a unique feature in the industry, QMotion battery operated shades are shipped with the batteries installed in the shade tube. This benefit, unlike some of our competition, allows for an easy installation. **QMotion does not manufacture these “installation and setup batteries,” and does not warrant them or their endurance.** Individual battery life is dependent on many factors and if your shades do not appear to operate efficiently, replace as needed, being sure to replace all batteries in each product at the same time with batteries from a single package from a single manufacturer.
- Battery life is dependent on shade usage and size, as well as several environmental factors. Larger shades which are used more frequently, will have lower battery life expectancy when compared to smaller shades or those used less frequently.

Easy Battery Replacement - By placing the access port for the batteries in the shade tube wall, you can now change the batteries without having to remove the shade from the brackets. You can get the instructions and watch a video at www.QMotionShades.com



Average Range for Control

Product	* Expected Open Air Range in Feet
Single Channel	50 - 100
Multi Channel	30 - 80
Timer Remote	20 - 50
Qconnect	50 - 100
Qrelay	30 - 100
Qsync	75 - 100
QdR Remotes	30 - 50
Range Extender	30 - 50
Qube	30 - 50

This chart is provided as a reference for when you are specifying a job. Please refer to the Remotes and Controls section for details.

***Environmental conditions may affect individual results.**

All range dimensions are based on an unobstructed environment or free range. There are a multitude of factors that cannot be controlled by our product that interfere with the range. Actual use in a home, office or other space can expect lower range, which can be augmented through the proper use of the Qrelay or Range Extender devices.



Qadvanced Shade Information

Finally, the luxury and safety of automated shades, completely free of cords and wires, are accessible to everyone.

Qadvanced Roller Shades

The design of QMotion delivers a simpler, sophisticated automated shade that offers both, ease of use and dependability.

Order specifics

- Shades ship complete with brackets and batteries, as needed, ready to install.
- Shades may be specified as standard or reverse roll.
- If desired, a 22AWG/24V DC Low Voltage transformer power option or the QIS hardwire using Cat5e or Cat6 cables may be specified.
- Extended range and enhanced responsiveness to control devices with Qrelay or Range Extenders.
- Low Voltage and QIS wired shades can accommodate left or right connection. Please include which side you would like at time of ordering.
- QIS hardwired have 3 connector cable length options, 4", 6", 35", and you must specify if you want a Male or Female connector.

Size limitations

- For AA batteries, the minimum width is 15¹/₂" and the maximum width is 22", bracket to bracket.
- For AA batteries, the maximum height is 96".
- Minimum width 15¹/₂" with Low Voltage power.
- Maximum width 144" for standard shades.
- Maximum height 144" for standard shades.
- Consult fabric tables for available fabric heights, widths and more specific size availability.

Roll size

- Roll up diameter or RUD is determined by the size of the shade and fabric chosen.
- Extra length of material will be added to the height of the shade in order to allow the fabric to wrap around the tube when fully rolled down.

Fabric orientation and size

- Most shades ship with fabric oriented in the vertical roll direction from the mill. If they are railroaded, they may ship in a horizontal roll direction.
- If a shade in a group is railroaded, you have the option to railroad all shades in the group to match.
- Railroading is available on select fabrics only.
- Seaming is not available in all fabrics. Please check fabric charts.
- The seam will be placed near the top of the shade unless specified otherwise.

Tube and hembar size

- Tube and hembar diameters vary depending on the height and width of your shade.
- Hembars are available either painted or fabric wrapped. Paint colors are white, sand, anodized silver, bronze and black.
- Light blocking wool pile is integrated into the fascia for inside mount shades. Available in black or white.
- When ordering the new tilt-out side channels and sill angle or the original, stationary side channels and sill angle you will receive the Oval hembar. The Oval hembar allows for tighter fabric attachment for a smooth appearance with no wrinkles or ripples.
- Easy shade removal for cleaning or changing fabric. Just remove tube(s) from the brackets.



Narrow Shade Information

QMotion is now offering the World’s Narrowest Battery Operated Shades. The smallest roller shade of its kind has arrived.

Order Specifics

- The minimum width is 15 1/2” and the maximum width is 22”, bracket to bracket. **(15 5/8” for inside mount)**
- The maximum height is 96”.
- Uses three AA alkaline batteries.
- Battery Expectancy is up to 1 1/2 years or more.
- May use lithium batteries for longer battery life. For lithium batteries, life expectancy is 1 and 1/2 to 2 years.
- For added convenience each shade ships with alkaline batteries.
- Available in battery operated shades and low voltage.

Motor Control Assembly

Motor Control Assembly with indicated batteries required



QADVANCED ROLLER SHADE MOTOR/CONTROLLER ASSEMBLIES			
NUMBER & SIZE OF BATTERIES	MCA PART NUMBER	BRACKET-TO-BRACKET MINIMUM WIDTH	BRACKET-TO-BRACKET MAXIMUM WIDTH
3AA	9500268	15.5 (394mm)	22.0 (559)
3D	9500119	22.0 (559mm)	24.75 (629mm)
4D	9500120	24.75 (629mm)	42.0 (1067mm)
6D	9500121	29.75 (756mm)	96.0 (2438mm)
8D	9500122	34.75 (883mm)	144.0 (3658mm)



Cassette Shades

Qcassette

QMotion motorized Cassette Roller Shades are powered by the same innovative battery saving technology used in all of our roller shades. This Cassette was designed for a soft elegant look with easy installation in mind.

- Fully enclosed shade system covers top and back with aluminum, and shade rises fully into cassette.
- Installation of this single shade cassette is literally a “snap” with two simple spring clips needed.
- Light blocking wool pile is integrated into the top for more complete finish and better light management.
- Curved front cover is a vinyl material engineered to be durable and attractive, while making installation and battery changes simple.
- Coordinated front cover in 5 standard laminated colors. White, Black, Bronze, Sand and Silver.
- Painted or fabric wrapped hem bar.
- Easy access for battery operated shade through pivoting front cover.
- Available on shades up to 96 inches x 96 inches, with limited fabric exceptions. Max RUD of 2.9”.
- End covers included with all cassette systems.
- Light Gaps are $\frac{5}{8}$ ” on each side, $1\frac{1}{4}$ ” total.
- Comes in standard roll.



The QMotion Cassette back extrusion is a durable structural aluminum, designed to mount securely and retain the QMotion system. Cassette roller shades are available with D-Cell batteries only, not with AA cell narrow shades, nor low voltage or QIS hardwired.



Dual Shades

Have It Both Ways

The QMotion dual shade bracket system lets you choose to install a combination of two shades on the same window. With the dual shade convenient bracketing system, you can select a light filtering decorative fabric in the front with a room darkening fabric closest to the glass that you can control independently of one another. QMotion dual shade bracket system provides flexibility in light management, style, and choice. With QMotion's dual shade option, there is no need to compromise.

- Choose light filtering screen or decorative fabric for the front shade to admit the amount of light you want or to allow a clearer view outside if you prefer.
- Use a room darkening blackout fabric for the back shade to maximize light blocking and privacy.
- Control front and back shades separately with the QMotion Multichannel Remote for precisely the positioning that suits you.
- Fascias are available to enhance the appearance, conceal the shade system, and add to the light management capabilities.
- Available in low voltage, hardwired, or battery operated, all standard with our patented manual override feature.
- Special bracket design allows for easy installation even in windows with a small amount of depth.
- Only available in standard roll.





Qlink Coupled Shades

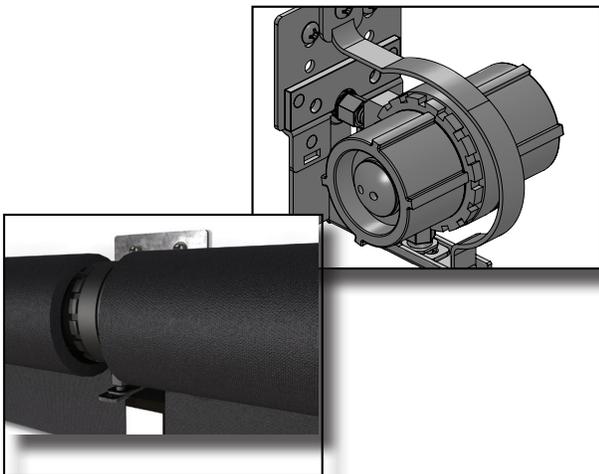
Qlink coupled shades can cover spans as wide as 24 feet by 10 feet tall with a single motor with up to 7 panels. Shades are counterbalanced to extend battery life. Connecting QMotion shades side-by-side not only allows you to cut costs, your shades will operate in quiet unison when receiving a command from a remote. The linked shade's unique coupling system supports 3/4" hembars.

- Multi-window coverage without wiring, using one battery system.
- Coupler bracket enables adjustments for height and depth.
- Available in back, side, and top (ceiling) mount.
- Cover with QMotion snap on fascia.
- Manual override feature - shades can be operated manually at all times.
- Allows for long battery life due to counterbalancing.
- Adjustable installation brackets for proper hembar alignment.
- Qlink coupled shade mounting brackets are compatible with standard QMotion 2.6 and 3.3 mounting brackets.
- Low voltage power or QIS hardwired option available from right end or left end.
- All other QMotion features and benefits continue to apply.
- Custom Printed shades are available.



Ordering Information

- Standard roll has motorized shade on left.
- Reverse roll has motorized shade on the right.
- All coupled shades must be the same height and use the same fabric.
- Choose either White or Black for Qlink coupler.
- System maximum is 7 panels.
- Multiple shades (fabric bands) on one tube may be needed to properly motorize and counter balance.
- RUD (rolled up diameter) from 2.0 to 2.6 may be used with 2.6 Universal brackets.
- RUD from 2.6 to 3.3 may be used with 3.3 Universal brackets.
- Product needing fascia must have RUD from 2.6 to 3.3 and use 3.3 fascia brackets.
- Product needing fascia with an RUD less than 2.6 must be upgraded to a 2.4 tube.
- Max RUD with Qlink is 3.3.
- SOM and COM material on Qlinks should have uniform material thickness to insure hembar alignment.



Total Shade	
Minimum Battery Shade Width	33 inches
Minimum Wired Shade Width	15.5 Inches
Minimum Inner Width	17 inches
Minimum Sprung Width (application dependent)	17 inches
Minimum System Width	50 inches
Minimum Number of Panels	2
Maximum System Width	24 feet
Maximum Panel Width (see fabric tables)	120 inches
Maximum Height (see fabric tables)	120 inches
Battery Available	Yes
Low Voltage or QIS hardwired Available	Yes
Fascia Available	Yes
Light Gap Between Bands	1.125 inches



Non-Motorized Shades

Simplicity, elegance, and affordability from QMotion coordinates a beautiful look.



Qfree

Qfree shades are identical in look to QMotion Automated Shades. Each Qfree shade is designed with the same quality engineering and offers exceptional child safety through the lack of continuous external cords.

- Integrated braking system.
- Fully compatible with QMotion automated shades and brackets.
- Minimum width of 14" wide.
- Shades up to 96" wide x 96" high, check fabric charts for specific fabric capabilities.
- Easily positioned to be standard or reverse roll.
- Due to the nature of the Qfree design we recommend only using side channels with an outside mount application and no sill angle.

Note: Qbasic fascia does not match Qfree or Qadvanced fascia.

Note: Due to the interference on the brackets, Qbasic Reverse roll shades with Fascia do not support Inside Mount applications and will not be offered at this time. Back Mount is supported by Reverse Roll shades.

Note: Qbasic shades fitted with side channels are only available in Standard Roll.

Qbasic Specifications

Clutch Type	QB-17	QB-28	QB-17	QB-28
Tube Diameter	1 1/2" Standard	1 1/2" Snap On Fascia	2" Standard	2" Snap On Fascia
Maximum Width	108"	108"	120"	120"
Maximum Height	144"	144"	144"	144"
Maximum lbs	17 1/2	28 1/2	17 1/2	28 1/2
Light Gap	3/4"	3/4"	3/4"	3/4"
Minimum Inside Depth	3 3/16"	3 9/16"	3 3/16"	3 9/16"
Tube Diameter	1 1/2"	1 1/2"	2"	2"
Gear Reduction	20%	30%	20%	30%
Snap On Fascia Available	No	Yes	No	Yes



Qbasic



Each Qbasic shade comes standard with a chain tensioner that meets current industry safety requirements.

Qbasic clutch type manual shade is anything but your basic shade. Qbasic delivers the styles you want that surpass similar clutch type manual shades.

- Easy pull gear reduction clutch allows for smooth and lower force operation.
- Endcaps are available in white or black.
- Minimum width of 7" (dependent on length).
- Shades up to 120" wide x 144" high.
- Quick roller tube release from end bracket for easy removal.
- Nickel plated chain with stainless steel upgrade available.



Custom Printed Shades

Simplicity, elegance, and affordability from QMotion coordinates a beautiful look.

General Information

Stand Out

In addition to providing glare and heat control, adding printed shades offer your customers endless design ideas for their projects. Ideal to display company logos, artwork, photographs, and additional display areas. Each shade is printed on-demand.

- Promotional signage
- Advertising
- Signs and banners
- Restaurants
- Showrooms
- Scenic designs
- Space dividers
- Exhibits

Available Fabrics

Screens - 1%, 3%, 5%

Room Darkening-Avila, Flocké, SW 7000

Size limitations

- We can print at the max roll width of the available fabrics. Maximum height for printing is 144.”
- Please see your CSR for any. shades needing larger prints.

Available colors

- It is recommended to use white substrates for printing; however darker fabrics are available, but will incur a white ink surcharge.

Strike Off Sample

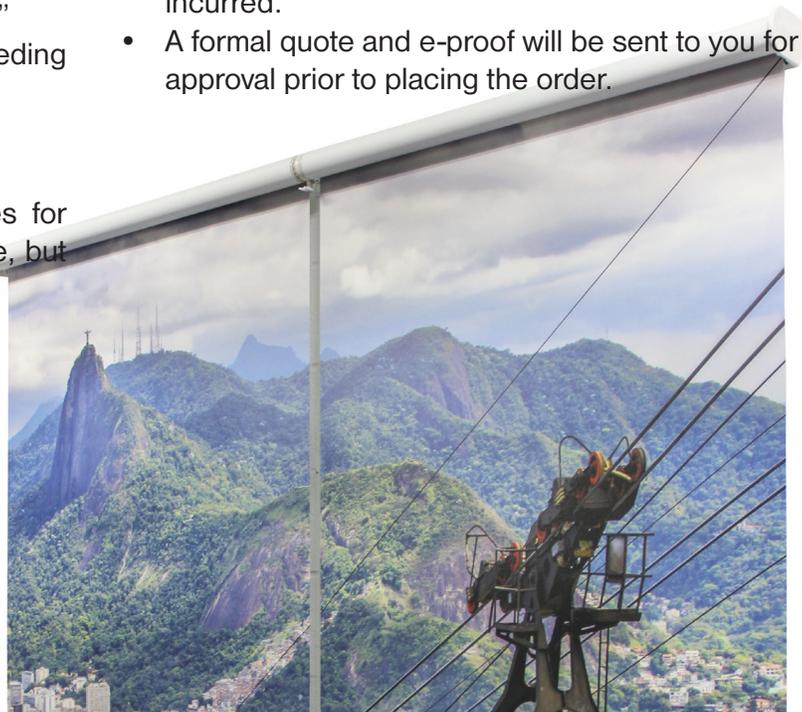
- A strike off sample may be requested with a scaled down version of your print using the color selection and material. Cost for strike off samples may vary.

Note: All quotes are custom, and all pricing is subject to change.

How to request a quote

Quote Form

- Please fill out our standard roller shade quote/order form for all of the necessary details of your shade(s).
- Include a general layout of your print.
Example: Centered, justified, full bleed, bottom centered, etc.
- Include the size of the image(s)
- If the print has specific pantone colors, please provide this information. Additional costs may be incurred to color match any images without pantone colors.
- Please include print ready files, vectored images, high resolution images or PDF's.
 - For quoting purposes, PDF is acceptable
- Once an order is placed, if the compatible files are not provided, additional charges will be incurred.
- A formal quote and e-proof will be sent to you for approval prior to placing the order.





Mounting Brackets

Bracket options to suit installation needs.

Several styles

- There are several different mounting brackets offered depending on application requirements:

2.6 Universal	3.3 Universal
2.6 Snap On Fascia	3.3 Snap On Fascia
2.6 Dual	3.3 Dual
4.3 Snap On Fascia	4.3 Dual Pocket

Bracket Applications

- Non-fascia shades ship with universal brackets.
- Pocket applications fit best with 2" or 3" pocket closure. Please note pocket requests on order form.
- 4.3 Pocket brackets are not available with fascia.
- Dual shade applications ship with dual brackets.
- 3.3" universal bracket is shipped for all outside mount applications with roll diameters greater than 2.6".
- Verify bracket dimensions in the space where the shades will be installed. Accommodate space to install roll in pocket and reverse roll applications.

Please refer to bracket illustrations section G.

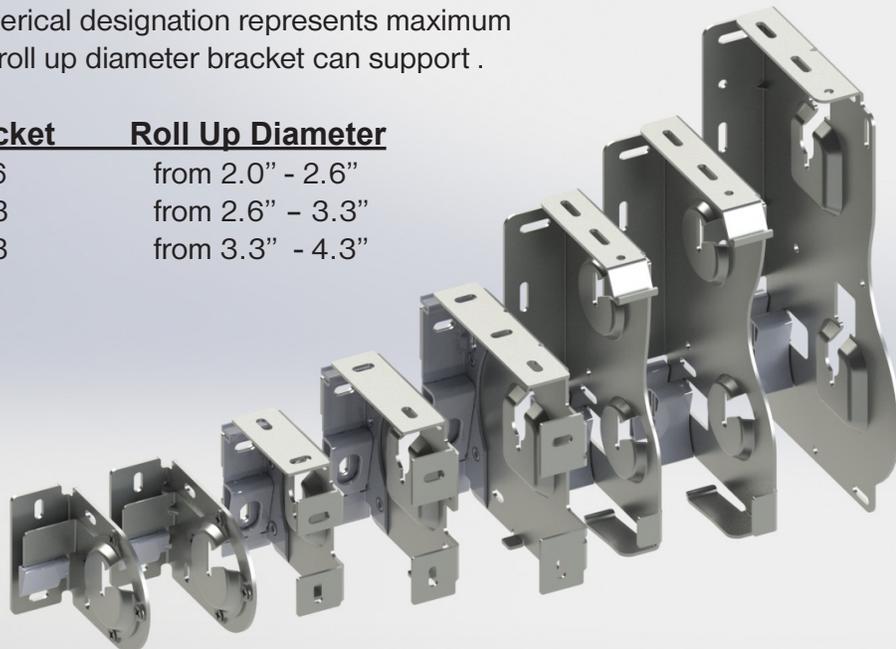
- The numerical designation represents the maximum size roll up diameter the bracket can support. 2.6" brackets accommodate roll sizes from 2.0" - 2.6". 3.3" brackets accommodate roll sizes from 2.6" - 3.3". 4.3" brackets accommodate roll sizes from 3.3" - 4.3".

Roll size guidelines

- Roll size is determined at the time an order is quoted and is dependent on material thickness, tube diameter, and the height of the shade. Fabric listing tables provide the maximum shade height for 2.6", 3.3", and 4.3" brackets depending on fabric type and width of shade.
- Specify top or back mount, side/top mount, or side/back mount and either reverse or standard roll on order form.
- All brackets may be side mounted. Excludes Qbasic and Qcassette.

Numerical designation represents maximum size roll up diameter bracket can support .

Bracket	Roll Up Diameter
2.6	from 2.0" - 2.6"
3.3	from 2.6" - 3.3"
4.3	from 3.3" - 4.3"



2.6 Universal 3.3 Universal 2.6 Fascia 3.3 Fascia 4.3 Fascia 2.6 Dual 3.3 Dual 4.3 Dual Pocket

Qmotion®



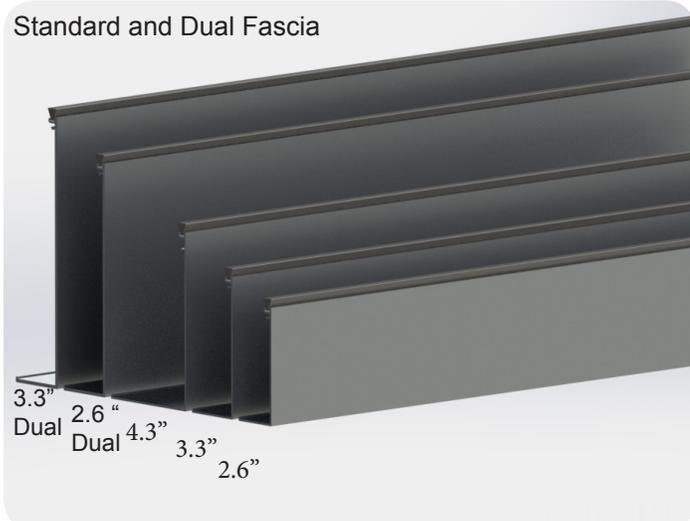
Fascia

A special accent piece that adds to the beauty of QMotion shades.

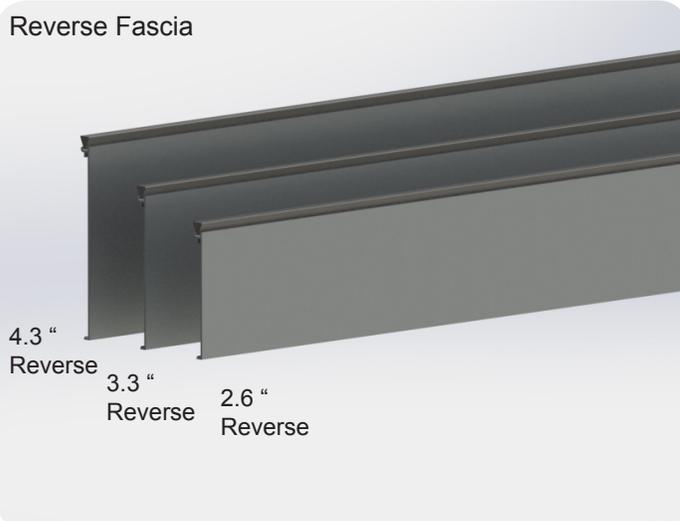
Including fashionable, color-coordinated fascias will enhance both the form and function of your QMotion shades. Easily mounted either inside or outside the window width, fascias attractively conceal the shade system while adding to the light protection your shades were designed to provide. So they're pretty and practical, all in one.

- Choose from five standard colors: White, Silver, Sand, Bronze, and Black or fabric wrapped to match your shade.
 - Fabric wrapped options cover the entire front face and bottom face of fascia for standard roll.
 - All fascia orders include color-coordinated endcaps.
 - Some fabrics are not available to be wrapped on QMotion Fascias. This is due to their inability to be attached in an appropriately aesthetic fashion.
 - The standard and dual fascias are designed in an L-shape, so there is a return to aid in blocking light and hiding the shade roll at the top.
 - All fascia includes light sealing wool pile to further assist in light blocking on the top of the shade.
- 
- All fabric wrapped fascia ship with the same fabric and fabric color as the shade, unless otherwise requested.
 - Shipping charges for fascia are included with the shade if ordered with the shade, unless there are excess size charges from the freight carrier.
 - Fascia not ordered to fit individual shades will be charged additional shipping charges.
 - At this time dual fascia will not be fabric wrapped.

Standard and Dual Fascia



Reverse Fascia





Fascia Cont.

- To ensure proper fit and function, inside mount fascia are cut $\frac{1}{16}$ " less than the ordered window width.
- For applications when fascia depth does not meet the minimum depth requirements, please contact your customer service representative for fit and finish options.
- For shades requiring fascia larger than 84" in length, a center support will be automatically included.
- For SPECIFIC CUT WIDTH fascias, please specify the specific width for the fascia in the notes column of the order form. Tolerance for cutting fascias is $\pm \frac{1}{16}$ ".
- Endcaps are color coordinated with fascia.
- All fascia orders include endcaps.
- For inside mount applications, if fascia extends beyond opening, endcaps may be cut in the field for custom fit.
- For inside mount applications, where window opening depth exceeds shade and fascia depth, no endcaps are needed.
- Endcaps extend $\frac{1}{16}$ " beyond fascia.
- Reverse roll not available for Qbasic shades with a top mount bracket orientation.

Fascia endcap options

- Fascia endcaps provide a clean look to the sides of the fascia on outside mounts or when the fascia extends out from the window frame on inside mounts.



Pocket Closure

- To conceal the bottom front of a pocket installation, QMotion offers the Pocket Closure system.
- This simple two part system installs easily, and conceals the front bottom of installed shades.
- Sections are cut to size, and available up to 12.5 foot lengths, and the Closure sections are available in either 2" or 3" depths, for the best possible match in the design.
- Available in white only.



Tilt Out Side Channels and Sill Angle

Features and Benefits

- New two-piece tilt out design allows for easier installation in window well or wall. Installation can be either side mount or back mount.
- Easier access to shade for battery change out.
- Side Channels and Sill Angles offer an additional light control solution by covering the sides and bottom of the window. (Shade fascias block the light at the top of the window.)
- Side Channels are 2 5/8" wide by 1 5/16" deep.
- The fabric travels inside them with a light blocking wool pile located in 3 positions to aid in minimizing additional light seepage from non-straight wall/ window well construction to assist with better light control.
- Side Channels and accompanying Sill Angles come in any of the 5 standard colors (White, Anodized Silver, Sand, Bronze, or Black).
- Sill Angle is "L"-shaped, and can be oriented to show either 2" or 1.25" face toward room.
- Fits into fascia to ensure maximum room darkening.
- Max size is 144" x 144" (depending on fabric).
- Side Channels are used with new Oval Hembar.
- Fabric wrapped hembars available. SOM material needs to be verified.
- Fabric bands used with side channels are cut .125" per side in order to accommodate for side channel clearance .

Note: The new tilt out Side Channels must be ordered at the same time shades are ordered, and cannot be ordered for shades that were previously ordered or installed. These side channels are not available as a post installation upgrade. Shades used with side channels require an additional 1/4" wider fabric width deduction and the new Oval Hembar. Please note: these deductions are taken automatically.

***Make sure to program all shades first before installing side channels.**

****Standard roll only for Qbasic manual shades.**





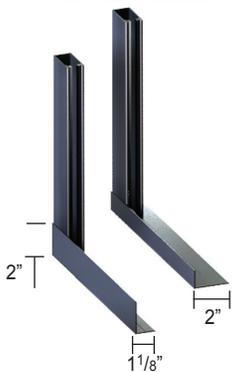
Stationary Side Channels and Sill Angle

QMotion's Original "Stationary" Side Channels and Sill Angle

- Side Channels are 2" wide, and the fabric travels inside them with a light blocking wool pile to assist with better light control.
- Side Channels and accompanying Sill Rails come in any of the 5 standard colors. (White, Anodized Silver, Sand, Bronze, or Black)
- Sill Angle is "L"-shaped, and can be oriented to show either 2" or 1.25" face toward room.
- Fits into fascia to ensure maximum room darkening.
- Max size is 144" x 144" (depending on fabric).
- Fabric wrapped hembar available.
- Original "Stationary" Side channels are not recommended for outside mount.
- Fabric bands used with side channels are cut .125" per side in order to accommodate side channel clearance.
- For an outside or inside mount where you have a back mount application, a plug will be required for the exterior drill hole. The plug will be the same color and flush against the side channel. Inside mount with a side screw application does not require exterior plug.
- Sill angle must be ordered separately, not automatically included.

*** Make sure to program all shades before installing tilt out and stationary side channels.**

**** Qbasic shades fitted with side channels are only available in standard roll.**



COMPARISON CHART Features and Benefits	Stationary Side Channels	Tilt-Out Side Channels
For use in both inside or outside mount	Yes	Yes
Easy battery change out	No	Yes
Helps ensure maximum possible room darkening	Yes	Yes
Works with sill angle	Yes	Yes
Ability to order side channels separately from shades	Yes	No
Includes light blocking wool pile	Yes	Yes
Comes in five standard colors	Yes	Yes
Fits into Fascia. Must order reverse roll if a larger fascia is used so you don't have added light coming through	Yes	Yes
Compatible with new oval hembar (1/2" hembar)	Yes	Yes
Ability to have fabric wrap hembar	Yes	Yes
Maximum size	144" x 144"	144" x 144"



QMotion Installation Best Practices

QMotion shades have many patented design elements engineered for optimal operation when properly installed. While you may have experience installing other shading systems, it is important to understand the differences when installing QMotion shades.

Not adhering to the instructions may lead to problems at the job site and damaged products, resulting in repeat service calls and unhappy clients - not a good experience for any of us.

Brackets

Some competitive shading products require you to install the shades hard into the bracket. QMotion shades will not work properly if installed that way. Our shades should rest in the middle of the spindle in each bracket. There should be space between where the bracket and the end of the spindle rest. If you install with the shade pressed hard or tight into the bracket, such that the shade end is touching the bracket, it will cause failure and damage. This applies to both sides of the shade. Both sides must have the spindle resting in the bracket and not pressed to the side.



End Caps

If it's an inside mount installation, please note that the end caps for the brackets are an optional accessory. They can only be used if the bracket is outside or inside mount and the bracket partially extends out of the window frame. If the bracket extends out of the window frame, the end cover must be trimmed so that only the part of the bracket that extends out of the window is actually covered by the bracket. Attempting to squeeze the entire end cap into the inside mount may cause the spindle to be too tight, which will lead to malfunctioning shades and potential damage to the shades and fabric. When measuring for inside mounted shades that will use an end cap, please deduct 3/16th of an inch from your width measurement to allow space for the end cap if you do not plan to trim or cut the end cap.

Please refer to the installation instructions included in the shade packaging, our online videos, or attend one of free webinars for complete information.



Remote Control Options for Gen 3 and ZigBee HA1.2

The range of remote control of a shade is dependent on type of controller, type of shade, bracket, fascia, and installation environment. Individual results may vary, and may be less in some environments due to obstructions in the path of the signal, such as walls, appliances, and/or electromagnetic interference from other electronic devices, many customers have reported even better results.

QMotion QdR Remote for Gen 3 Roller Shades and Honeycomb Shades

The new QdR remote for Gen 3 shades is designed to be more sleek and user friendly. Each remote comes with 6 buttons to support Up, Down and preset positions 20%, 40%, 60%, 80%. The preset positions may be customized. Magnetic back for simple storing in wall plates. The remote controls unlimited number of shades in a group with a range of 30' to 50'. The Gen 3 remote may be used with Qrelay to extend the range. Normal remote range: 30'-50'



Single Channel

- All shades programmed to the remote act in sync when button is pressed.
- Ideal for rooms with children or guests who may be unfamiliar with the remote and won't accidentally change the channel on the remote.



Multi Channel

- Up to 5 individual or group settings, unlimited number of shades per group.
- All shades programmed to a multi channel remote are controlled together with an "All" channel.
- Motion activated channel indicator when remote is tapped or moved.

Please refer to programming instructions for details on pairing and adding shades, customizing preset positions, and programming to channels.

QdR Remote for ZigBee HA1.2 Roller Shades and Honeycomb Shades

- 6 buttons to support Up, Down and preset positions 20%, 40%, 60%, 80%.
- Requires the Qube coordinator device for interfacing with most ZigBee HA1.2 systems.
- Preset positions may be customized
- Magnetic back for simple storing in wall plates
- Controls unlimited number of shades in a group
- Up to 5 individual or group setting, unlimited number of shades per group
- All shades programmed to a multi channel remote are controlled together with an "All" channel
- Average remote range: 30'-50'
- Recommended to be used with Range Extenders for ZigBee HA1.2 for extending range or for Stand-Alone installations (shades controlled by a remote not on a network).



QdR Remotes for Qadvanced with ZigBee HA1.2 shades available as a Multi Channel Remote only. Please refer to programming instructions for details on setting up the ZigBee HA1.2 automation system with Qube coordinator, Range Extender, pairing and adding shades, customizing preset positions, and programming to channels.



Qadvanced Intelligent System (QIS) Wall Switches

QIS shades require our Power and Communications Panel with 8 ports (power supply included). The 8 ports connect via RJ-45 connectors for any combination of a total of 8 shades or controls (wall switches). QIS shades may be used with our wired wall switches and/or wireless remote controls (QdR Remotes) with the Qube (coordinator) device using the ZigBee HA1.2 specification. **Refer to QIS Roller Shade Application Guide for a system overview, detail specifications on wiring specifications, system capacity and limitations.**

- Available as a single or double switch.
- Connected to the Power and Communications Panel in one of the 8 ports available. A double Wall Switch is one connection, not two.
- The Single Wall Switch has 4 buttons - an Up, Down, Preset 1 and Preset 2.
- The Double Wall Switch has 8 buttons - two each of Up, Down, Preset 1 and Preset 2.
- Controls as many as 200 shades per switch (Note: QIS total system capacity is 200 devices - a combination of shades and controls).
- Preset 1 and Preset 2 may be customized settings. Default setting is 33% and 66%, based on lower limit.



Single Channel
Single Wall Station



Multi Channel
Single Wall Station



Dual Wall Station



Wall station plates are not available from QMotion. Fits standard off-the-shelf wall plates.



Qadvanced with ZigBee HA 1.2 Controls

The ZigBee network is a self-healing mesh network that operates on 2.4 ghz. Self-healing means that if there is a weakness in the network, the signal will find a new path. Within this network, you will have devices that can either repeat a signal or be an end device. The QMotion Qube and Range Extender are considered “repeat” devices, and QMotion Qadvanced shades are considered “end” devices.

Qadvanced with ZigBee HA1.2 shades work on a ZigBee mesh network and require the Qube coordinator for interfacing with most smart home automation system networks. The Qadvanced with ZigBee HA1.2 in a stand-alone environment require a Range Extender to interface with the QdR remote; the Qube may be used in a stand-alone system, but is not required.

Qube Coordinator

- Controls Qadvanced with ZigBee HA1.2 roller and honeycomb shades.
- Supports up to 32 devices per Qube, or 95 devices maximum per ZigBee HA1.2 network if using Range Extenders. Devices are defined as Qadvanced shades and QdR remotes.
- Qube without Range Extender supports any combination of 32 shades and remotes.
- Qube with Range Extender - a Range Extender takes up one of the 32 positions; 2 range extenders = 2 positions.
- Qube must be plugged into a local WiFi router for programming, using the QMotion app with the Qube, and controlling the shades.
- Once programmed on the Qube coordinator with your smart device and our app, shades can be controlled with your smart device on any WiFi network through the cloud. Now you can control your shades from almost anywhere!



2"x2"x1"
Dimensions

Range Extender

The QMotion Range Extender may be used to not only extend the range for remote control it also can be used for stand-alone control for ZigBee HA1.2 2-way communication without integrating to a smart home automation system. Each installation environment is unique and other devices in the room or building may have an effect on the transmission range of remotes. In some cases, a Range Extender may help in improving the signal reception. As an example, if a room is over 12' x 12' or a shade is 30' or more away from where it will be controlled, the Range Extender is recommended.

- Extends Range for QdR Remote with ZigBee HA1.2 and Qube coordinator.
- May extend the QdR Remote range 30'-50', depending on environment.
- Works with Qadvanced with ZigBee HA1.2 roller and honeycomb shades.
- Use as many as required in an installation (refer to limits when used with Qube).



2"x2"x1"
Dimensions



ZigBee Best Practices and Manual Override

Buliding a ZigBee HA 1.2 Mesh Network Best Practices

The QMotion R&D group has determined a comfort level of 95 nodes on a ZigBee network using a Qube. This comfort level is to be maintained in order to sustain a functional ZigBee Mesh Network. Each device equals one node.

Network set-up A:

- 1 Qube**
- 9 Range extenders**
- 25 Shades**
- 15 Remotes**

Total - 50 nodes

Network set-up B:

- 1 Qube**
- 20 Range extenders**
- 45 Shades**
- 25 Remotes**

Total - 91 nodes

Please note that these network examples as designed MUST follow installation best practices for ZigBee.

QMotion Hembar Activation (AKA Manual Override Feature)

QMotion Shades incorporate patented and unique tug features that allow the shade to open with just a short tug, or be lowered without the remote.

Tug the hembar less than 1”

- Shade opens to next highest preset position (example: shade moves from 75% to 50%)

Tug the hembar downward between 1” - 2”

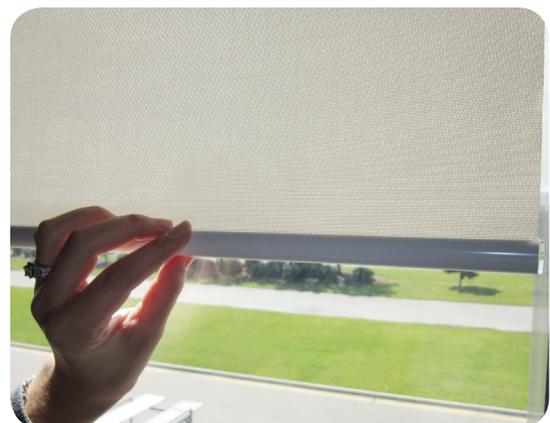
- Shade moves to full open

Tug the hembar MORE than 2”

- Shade remains at position stopped until pulled or sent up with a remote

Two successive tugs MORE than 2” in 10 seconds

- Shade moves to full open





Extend Your Range and Reception With Qrelay

QMotion Qrelay

Each installation is different, and environmental factors may have an effect on transmission. In some cases, a Qrelay may be helpful in improving signal reception for Gen 3 Qadvanced shades. To consider in advance, if a room is over 12'x12', or a shade is 30' from where it would be controlled, the Qrelay is recommended. As these dimensions increase, the Qrelay will become increasingly helpful, and spaces significantly larger may even benefit from more than one Qrelay.

- Extends range of all QMotion remotes.
- Use as many as required in an installation (no limits).
- Powered from a wall outlet or from a powered USB port.
- Two modes of operation "Zone Specific" and "Echo".
 - Zone specific mode allows individual remotes to be learned to the repeater.
 - Echo mode repeats all valid QMotion remote commands.
- Average remote range: 30 -100 feet. We recommend a Qrelay every 60 feet for maximum efficiency where Qrelays are necessary.
- Not recommended for placement behind large electronic devices.



QMotion App and Qsync

QMotion Smartphone Application "App" Features:

- Control QMotion shades with iOS and Android mobile devices.
- Virtual Shade: Drag your finger to place the shade to the desired positions.
- "Plug and Play" - Easy Set-up.
- Channel System to name, take and set reference photo to group shades and create "scenes".
- Step by Step setup for learning, setting lower limit, and deleting shades
- Control nearly 500 groups or unlimited number of shades per group from each Qsync.
- TCP/IP to 433Mhz bridge.
- Set up once and settings sync to other smartphones and tablets on the network.
- **Must Have Qsync Control Unit.**
- The QMotion app is available on Gen 3 automated shades. Due to the difference in the proprietary protocol, the Qsync device is different for Gen 2 and Gen 3 shade control.





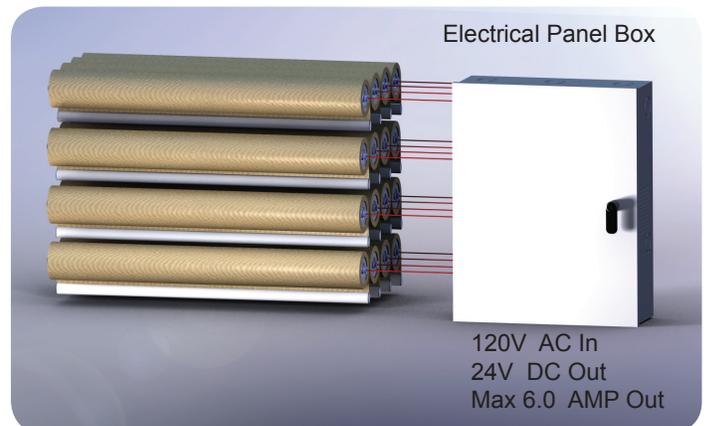
Low Voltage Transformer Information

QMotion Low Voltage shades offer all the same features of QMotion Battery powered shades, and are compatible with fascia as well as controls.

- Battery tube is replaced with transformer leads.
- Each shade comes with a 18" wire lead (18 AWG/24V) extending out of the tube.
- Tube is configured to convert low voltage into the proper level to power the shade.
- Power supply options are available to power one shade or multiple shades.
- The power supply can be at the header with the shade, on the floor near the shade or in an equipment room several hundred feet away from
- In Single Shade Option, a plug-in power supply provides 24V DC to the shade.
- Low voltage single shades are controlled with the same wireless RF remote as the battery option shades.
- With the Low Voltage Distribution Box the power supply is designed to distribute the appropriate power to as many as four shades.
- The power distribution panel sends power individually up to sixteen shades. The panel also provides protection against short circuit or overload to individual shades.

- 24v to 48v power input accepted.
- QMotion Low Voltage shades continue to offer the unique and patented manual override system.
- This is available with Gen 3 proprietary protocol, 1-way communication.

**Electrical Panel Box system may be equipped with a customer supplied battery back up system, in the case of a site power event.*

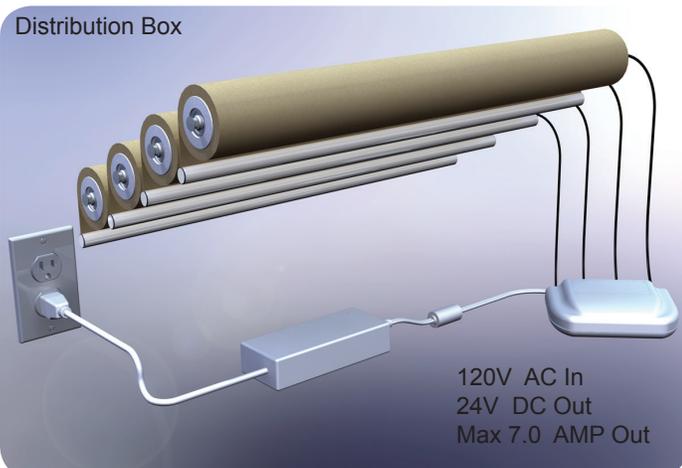


Wire Gauge Requirements

QMotion does not supply the wires from the transformer to the shades. Recommended minimum wire gauge requirements for distances between power supply and shade or distribution box and shade are as follows for the required 2 conductor cables:

Wire Length (ft.) 24v	Min. Wire Gauge
1500-3000	12
1200-1500	14
700-1200	16
500-700	18
0-500	20

****Consult your local electricity provider or state regulatory agency for their guidelines regarding cable installation. Comply with all building codes, safety regulations and legal standards.**



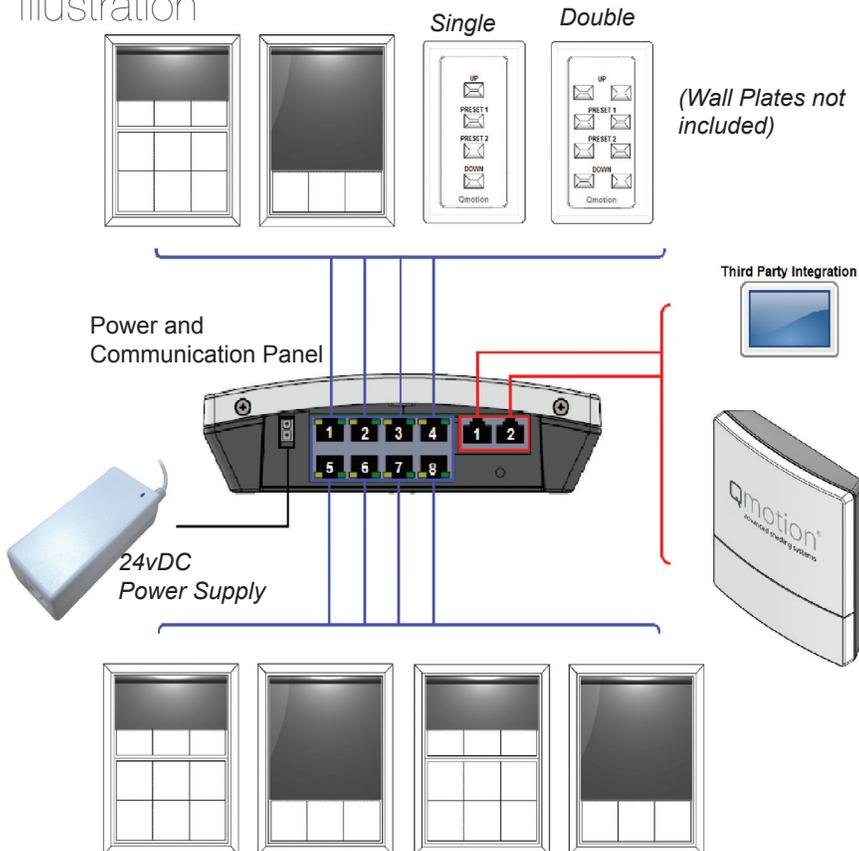


QIS Hardwired Information

QMotion QIS Hardwired shades deliver a robust and dependable control system. The QIS systems are also compatible with fascia as well as controls.

- Battery tube is replaced with male or female transformer leads.
- Each shade comes with a 4", 6" or 35" wire; specify when ordering.
- Used with a Power and Communication Panel that can control up to 8 shades and/or controls.
- Max number of devices on the QIS system 200.
- Maximum distance from wall switch to farthest Power and Communication Panel is 1,000 feet.
- Power and Communication Panel comes with own power supply.
- Shades may be controlled with either iOS or Android smart devices or QdR remote for Zigbee HA1.2.
- Each Power and Communication Panel is designed to distribute the appropriate power to as many as eight shades or control devices.
- QMotion QIS Hardwired Shades offer the same unique and patented manual override system as our battery operated shades.
- Available with Zigbee HA1.2 proprietary protocol, 2-way communication.
- The panel also provides protection against short circuit or overload to individual shades.
- Maximum wire length for RS485 communication is 2,000 feet from source to shade.

Illustration



The Qadadvanced Intelligent System offers three methods for Shade Control:

- **Hardwire control:** Uses standard Cat5e or Cat6 cable for both power and communication. Controlled via hardwired wall switches.
- **ZigBee HA1.2:** Uses standard Cat5e or Cat6 cable for power. Wireless communication via ZigBee HA1.2 specification. Supports stand alone applications or ZigBee HA1.2 network applications that are easily integrated with 3rd party control systems.
- **RS485 Communication:** Uses standard Cat5e or Cat6 cable for both power and communication. Third party integration via RS485 Protocol.



QMotion Power and Communication Panel for QIS

QMotion Power and Communication Panel Features:

- DC output: 24 Volt, 7.5 Amps
- AC input: 100-240 Volts ~ 2.5 Amps
- Wall Mounted Switches receive power through Power Over Cable (POC)
- Wireless Remotes Power Supplied through a CR2032 Coin Cell Battery
- RJ-45 Ports for Motorized Shades and switches - Quantity 8
- Communication Ports (RJ-45) - Quantity 2



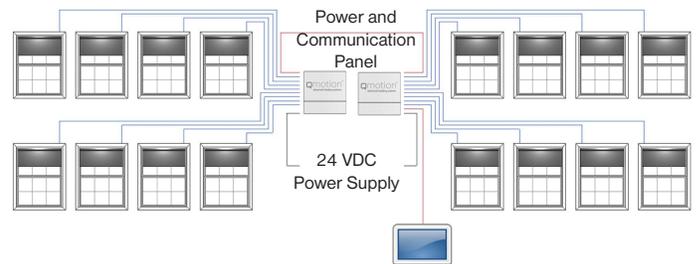
8"x8"x2"
Dimensions

Specifications

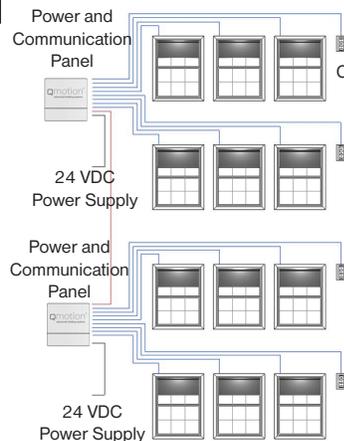
Product Specs	Max Distance
Up to 8'x8' Shade	1,250 feet to/from Power Communication Panel
8'x8' to 12'x12' Shade	750 feet to/from Power Communication Panel
Switch to farthest Power Panel	1,000 feet from wall switch to farthest Power and Communication Panel
Wire length from source to shade	2,000 feet for an RS 485 application

QIS Diagrams

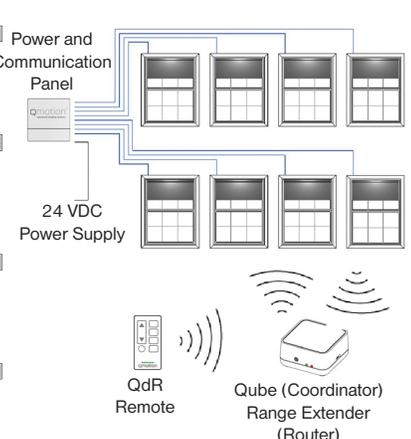
Third Party Integration



Hardwired Switch Application



Zigbee HA 1.2 Application



Wiring Adapter

QMotion's Wiring Adapter allows for pre-wired cabling to easily connect to QIS shades, resulting in simple and convenient access to QMotion shades without rewiring your entire system. This 6 inch adapter allows for the translation of communication and power without the added expense of proprietary cabling.





Fabric Charts and Listings

These charts are for **QMotion Automated and Qfree Manual shades**. They are designed to provide extensive details on the shades that we produce with our systems. Please note:

Qfree is available for up to 96" x 96" maximum.

Note the gray sections on the charts. This means the fabric is unable to be motorized at the coordinating dimensions, as some materials cannot be railroaded. The numbers in each cell indicate the diameter of the rolled fabric when raised to the top. Fabric suppliers have variation in their weaves, but this information is based on our tested data for each material.

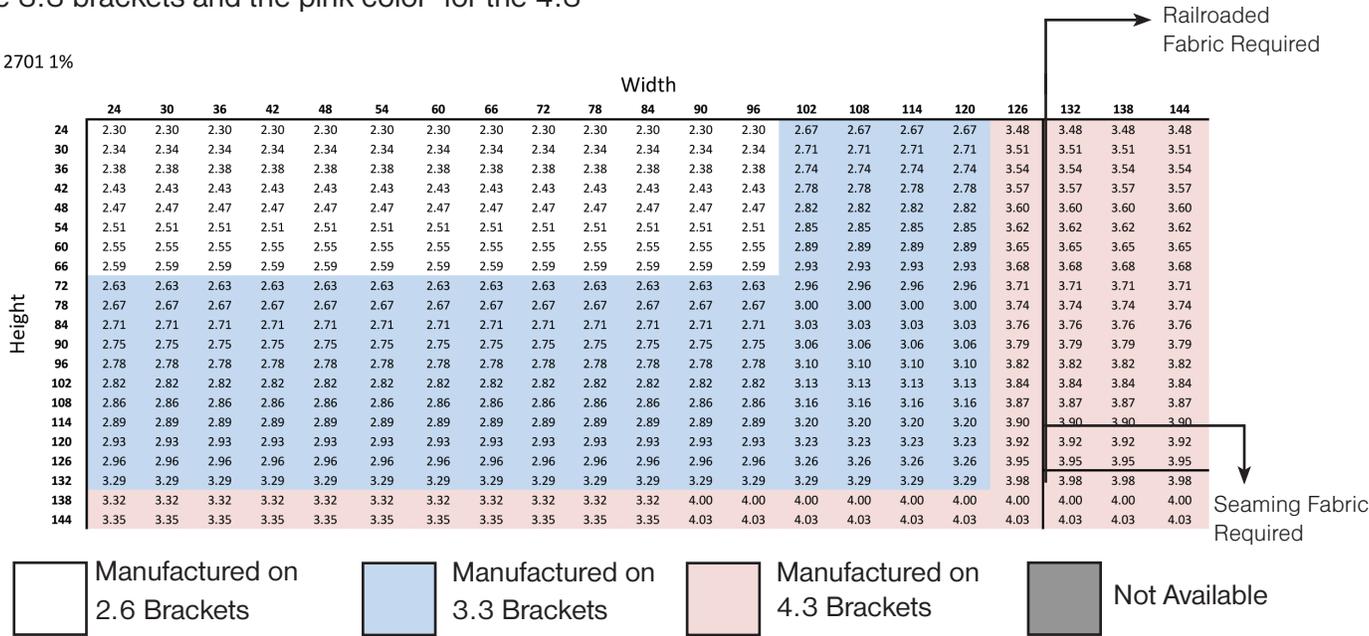
The section in the white color indicates that the shade will be shipped with our 2.6 brackets. The section in light blue color will be shipped with the 3.3 brackets and the pink color for the 4.3

brackets. For actual bracket size please refer to *Bracket Illustrations* section in this guide.

For fabrics that can't be railroaded, check fabric roll width for maximum shade width. For fabrics that can be railroaded, see fabric charts in the guide. The railroad chart is in the end of this section.

The dark vertical line going through the graph indicates the size at which we would railroad the fabric, if available. The horizontal line indicates a seam is required. Not all railroaded fabrics will require a seam.

At this time, we are only producing shades as large as 144" in width and up to 144" in height. Additional sizes may be available in the near future.



Fabric Selections (Charts on the following 15 pages):

Avila Blackout	E-Screen- 5%	Green Screen Revive 5%	M-Screen 5%	SW 2410- 3%	SW 4000- 5%	Tribeca Translucent
Bliss	E-Screen- 10%	Infiniti - 3%	Provence Translucent	SW 2500- 1%	SW 4400- 1%	Tribeca Blackout
Chantilly	Eternity	Infiniti - 5%	Provence Blackout	SW 2701- 1%	SW 4400- 3%	Vesper
E-Screen-1%	Flocke Blackout	KOOLBLACK®	Soho	SW 2703- 3%	SW 7000- Blackout	Vizela
E-Screen- 3%	Green Screen Revive 1%	Metallic	SW 2390- 5%	SW 2705- 5%	Tones	

Eternity

Width

	15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	
24	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15										
30	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17										
36	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19										
42	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21										
48	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24										
54	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26										
60	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28										
66	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30										
72	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32										
78	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35										
84	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37										
90	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39										
96	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41										
102			2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43										
108			2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45										
114			2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81										
120			2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83										
126			2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85										
132			2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86										
138											3.63	3.63	3.63	3.63										
144											3.65	3.65	3.65	3.65										

Floche' Blackout

Width

	15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	
24	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.61	2.61	2.61	2.61	3.43	3.43	3.43	3.43	3.43
30	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.64	2.64	2.64	2.64	3.45	3.45	3.45	3.45	3.45
36	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.67	2.67	2.67	2.67	3.48	3.48	3.48	3.48	3.48
42	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.70	2.70	2.70	2.70	3.50	3.50	3.50	3.50	3.50
48	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.73	2.73	2.73	2.73	3.52	3.52	3.52	3.52	3.52
54	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.76	2.76	2.76	2.76	3.54	3.54	3.54	3.54	3.54
60	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.79	2.79	2.79	2.79	3.57	3.57	3.57	3.57	3.57
66	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.82	2.82	2.82	2.82	3.59	3.59	3.59	3.59	3.59
72	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.85	2.85	2.85	2.85	3.61	3.61	3.61	3.61	3.61
78	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.87	2.87	2.87	2.87	3.63	3.63	3.63	3.63	3.63
84	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.90	2.90	2.90	2.90	3.66	3.66	3.66	3.66	3.66
90	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.93	2.93	2.93	2.93	3.68	3.68	3.68	3.68	3.68
96	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.96	2.96	2.96	2.96	3.70	3.70	3.70	3.70	3.70
102			2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.98	2.98	2.98	2.98	3.72	3.72	3.72	3.72	3.72
108			2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	3.01	3.01	3.01	3.01	3.74	3.74	3.74	3.74	3.74
114			2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	3.04	3.04	3.04	3.04	3.76	3.76	3.76	3.76	3.76
120			2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	3.06	3.06	3.06	3.06	3.78	3.78	3.78	3.78	3.78
126			3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.81	3.81	3.81	3.81	3.81
132			3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83
138			3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85
144						3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87

GreenScreen Revive 1%

Width

	15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	
24	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.59	2.59	2.59						
30	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.62	2.62	2.62						
36	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.65	2.65	2.65						
42	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.67	2.67	2.67						
48	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.70	2.70	2.70						
54	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.73	2.73	2.73						
60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.75	2.75	2.75						
66	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.78	2.78	2.78						
72	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.81	2.81	2.81						
78	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.83	2.83	2.83						
84	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.86	2.86	2.86						
90	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.88	2.88	2.88						
96	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.91	2.91	2.91						
102			2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.93	2.93	2.93						
108			2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.96	2.96	2.96						
114			2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.98	2.98	2.98						
120			3.01																					

Soho Sheer

Width

		15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	
Height	24	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.59	2.59	2.59						
	30	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.62	2.62	2.62					
	36	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.65	2.65	2.65					
	42	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.67	2.67	2.67					
	48	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.70	2.70	2.70					
	54	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.73	2.73	2.73					
	60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.75	2.75	2.75					
	66	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.78	2.78	2.78					
	72	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.81	2.81	2.81					
	78	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.83	2.83	2.83					
	84	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.86	2.86	2.86					
	90	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.88	2.88	2.88					
	96	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.91	2.91	2.91					
	102				2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.93	2.93	2.93					
	108				2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.96	2.96	2.96					
	114				2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.98	2.98	2.98					
	120				3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01					
126				3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03						
132				3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.78	3.78	3.78						
138				3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.79	3.79	3.79						
144										3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81							

Tones

Width

		15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144
Height	24	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17											
	30	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19											
	36	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22											
	42	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25											
	48	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27											
	54	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30											
	60	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32											
	66	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35											
	72	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37											
	78	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39											
	84	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42											
	90	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44											
	96	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47											
	102				2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49											
	108				2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51											
	114				2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53											
	120				2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89											
126				2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91												
132				2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93												
138										3.69	3.69	3.69	3.69											
144										3.70	3.70	3.70	3.70											

Tribeca Blackout

Width

		15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144
Height	24	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.68	2.68						
	30	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.72	2.72						
	36	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.76	2.76						
	42	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.79	2.79						
	48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.83	2.83						
	54	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.87	2.87						
	60	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.91	2.91						
	66	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.94	2.94						
	72	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.98	2.98						
	78	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	3.02	3.02						
	84	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	3.05	3.05						
	90	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	3.09	3.09						
	96	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	3.12	3.12						
	102				2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	3.15	3.15						
	108				2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	3.19	3.19						
	114				2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	3.22	3.22						
	120				2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	3.25	3.25						
126				2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	3.29	3.29							
132				3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32							
138				3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35							
144				3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	4.05	4.05	4.05						

Tribeca Translucent

Width

		15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144		
Height	24	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.66	2.66							
	30	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.70	2.70							
	36	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.73	2.73							
	42	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.77	2.77							
	48	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.80	2.80							
	54	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.84	2.84							
	60	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.87	2.87							
	66	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.91	2.91							
	72	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.94	2.94							
	78	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.98	2.98							
	84	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	3.01	3.01							
	90	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	3.04	3.04							
	96	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	3.07	3.07							
	102																	3.11	3.11							
	108																	3.14	3.14							
	114																	3.17	3.17							
	120																	3.20	3.20							
	126																	3.23	3.23							
132																	3.26	3.26								
138																	3.29	3.29								
144																	4.00	4.00	4.00	4.00						

Vizela 1%

Width

		15.5	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144
Height	24	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.53	2.53	2.53	2.53	3.36	3.36	3.36	3.36
	30	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.55	2.55	2.55	2.55	3.38	3.38	3.38	3.38
	36	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.57	2.57	2.57	2.57	3.39	3.39	3.39	3.39
	42	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.59	2.59	2.59	2.59	3.41	3.41	3.41	3.41
	48	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.61	2.61	2.61	2.61	3.42	3.42	3.42	3.42
	54	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.63	2.63	2.63	2.63	3.43	3.43	3.43	3.43
	60	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.65	2.65	2.65	2.65	3.45	3.45	3.45	3.45
	66	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.67	2.67	2.67	2.67	3.46	3.46	3.46	3.46
	72	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.68	2.68	2.68	2.68	3.48	3.48	3.48	3.48
	78	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.70	2.70	2.70	2.70	3.49	3.49	3.49	3.49
	84	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.72	2.72	2.72	2.72	3.51	3.51	3.51	3.51
	90	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.74	2.74	2.74	2.74	3.52	3.52	3.52	3.52
	96	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.76	2.76	2.76	2.76	3.53	3.53	3.53	3.53
	102																2.77	2.77	2.77	2.77	3.55	3.55	3.55	3.55
	108																2.79	2.79	2.79	2.79	3.56	3.56	3.56	3.56
	114																2.81	2.81	2.81	2.81	3.58	3.58	3.58	3.58
	120																2.83	2.83	2.83	2.83	3.59	3.59	3.59	3.59
	126																2.85	2.85	3.60	3.60	3.60	3.60	3.60	3.60
132																2.86	2.86	3.62	3.62	3.62	3.62	3.62	3.62	3.62
138																3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
144																3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65



QMotion Fabric Listings

Collection	Fabric Name	Fabric #	Standard Color for endcaps, hembars & fascia	Collection	Fabric Name	Fabric #	Standard Color for endcaps, hembars & fascia
Avila Twilight (FR)	White	80M0038	White	E-Screen 5%	Linen/Linen	80M0132	Sand
Avila Twilight (FR)	Canvas	80M0303	Sand	E-Screen 5%	White/Linen	80M0003	White
Avila Twilight (FR)	Chalk	80M0302	Silver	E-Screen 5%	White/White	80M0002	White
Avila Twilight (FR)	Linen	80M0039	Sand	E-Screen 10%	Charcoal/Bronze	80M0009	Bronze
Avila Twilight (FR)	Khaki	80M0304	Sand	E-Screen 10%	Charcoal/Charcoal	80M0010	Black
Avila Twilight (FR)	Marine	80M0305	Silver	E-Screen 10%	Linen/Linen	80M0130	Sand
Avila Twilight (FR)	Pewter	80M0306	Silver	E-Screen 10%	Pearl/ Linen	80M0011	Silver
Avila Twilight (FR)	Charcoal	80M0307	Silver	E-Screen 10%	White/Linen	80M0008	White
Avila Twilight (FR)	Black	80M0317	Black	E-Screen 10%	White/White	80M0007	White
Avila Twilight (NFR)	White	80M0308	White	Eternity	Bronze	80J0223	Bronze
Avila Twilight (NFR)	Canvas	80M0310	Sand	Eternity	Gold	80J0222	Black
Avila Twilight (NFR)	Chalk	80M0309	Silver	Eternity	Silver	80J0221	Silver
Avila Twilight (NFR)	Linen	80M0316	Sand	Flocke Blackout	Blanc	80M0043	White
Avila Twilight (NFR)	Khaki	80M0311	Sand	Flocke Blackout	Chartreux	80M0046	Silver
Avila Twilight (NFR)	Marine	80M0312	Silver	Flocke Blackout	Loutre	80M0045	Silver
Avila Twilight (NFR)	Pewter	80M0313	Silver	Flocke Blackout	Mississippi	80M0044	Sand
Avila Twilight (NFR)	Charcoal	80M0314	Silver	Flocke Blackout	Sahel	80M0042	Sand
Avila Twilight (NFR)	Black	80M0315	Black	Green Screen R 1%	Dusk	80M0289	Bronze
Chantilly	Black	80J0216	Black	Green Screen R 1%	Linen	80M0286	Sand
Chantilly	Brown	80J0215	Bronze	Green Screen R 1%	Mushroom	80M0287	Bronze
Chantilly	Cream	80J0212	Sand	Green Screen R 1%	Onyx	80M0292	Black
Chantilly	Gray	80J0210	Silver	Green Screen R 1%	Pewter	80M0291	Silver
Chantilly	Khaki	80J0213	Sand	Green Screen R 1%	Sand	80M0285	Sand
Chantilly	Silver	80J0211	Silver	Green Screen R 1%	Stone	80M0290	Silver
Chantilly	Toffee	80J0214	Bronze	Green Screen R 1%	Suede	80M0288	Bronze
Chantilly	White	80J0209	White	Green Screen R 1%	White	80M0284	White
E-Screen 1%	Charcoal/Cocoa	80M0055	Bronze	Green Screen R 5%	Dusk	80M0298	Bronze
E-Screen 1%	Charcoal/Charcoal	80M0056	Black	Green Screen R 5%	Linen	80M0295	Sand
E-Screen 1%	Linen/Linen	80M0129	Sand	Green Screen R 5%	Mushroom	80M0296	Bronze
E-Screen 1%	White/Linen	80M0054	White	Green Screen R 5%	Onyx	80M0301	Black
E-Screen 1%	White/White	80M0053	White	Green Screen R 5%	Pewter	80M0300	Silver
E-Screen 3%	Charcoal/Apricot	80M0279	Bronze	Green Screen R 5%	Sand	80M0294	Sand
E-Screen 3%	Charcoal/Cocoa	80M0060	Bronze	Green Screen R 5%	Stone	80M0299	Silver
E-Screen 3%	Charcoal/Charcoal	80M0061	Black	Green Screen R 5%	Suede	80M0297	Bronze
E-Screen 3%	Cocoa/Apricot	80M0280	Bronze	Green Screen R 5%	White	80M0293	White
E-Screen 3%	Cocoa/Cocoa	80M0278	Bronze	Infiniti 3%	PG2 Almond	80P0095	Sand
E-Screen 3%	Linen/Linen	80M0131	Sand	Infiniti 3%	QG1 Barley	80P0098	Sand
E-Screen 3%	White/Linen	80M0059	White	Infiniti 3%	PG1 Cotton	80P0096	White
E-Screen 3%	White/White	80M0058	White	Infiniti 3%	VG1 Nickel	80P0099	Silver
E-Screen 5%	Charcoal/Apricot	80M0282	Bronze	Infiniti 3%	VG4 Slate	80P0250	Silver
E-Screen 5%	Charcoal/Cocoa	80M0004	Bronze	Infiniti 3%	PG4 Stone	80P0249	Silver
E-Screen 5%	Charcoal/Charcoal	80M0005	Black	Infiniti 5%	PG2 Almond	80P0101	Sand
E-Screen 5%	Cocoa/Apricot	80M0283	Bronze	Infiniti 5%	VG3 Bark	80P0106	Bronze
E-Screen 5%	Cocoa/Cocoa	80M0281	Bronze	Infiniti 5%	QG1 Barley	80P0104	Sand



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Collection	Fabric Color	Fabric #	Standard Color for endcaps, hembars & fascia	Collection	Fabric Color	Fabric #	Standard Color for endcaps, hembars & fascia
Infiniti 5%	PG1 Cotton	80P0102	White	SW 2500 1%	Charcoal/Grey	80P0241	Silver
Infiniti 5%	VG2 Midnight	80P0103	Black	SW 2500 1%	Oyster	80P0121	White
Infiniti 5%	PG4 Stone	80P0251	Silver	SW 2500 1%	Oyster Beige	80P0122	Sand
KOOLBLACK® E-Screen 3%	Charcoal/Charcoal	80M0260	Black	SW 2500 1%	Oyster/Pearl Grey	80P0240	Silver
KOOLBLACK® E-Screen 3%	Charcoal/Cocoa	80M0261	Bronze	SW 2701 1%	Oyster/Beige	80P0246	Sand
KOOLBLACK® E-Screen 3%	Cocoa/Cocoa	80M0262	Bronze	SW 2701 1%	Oyster Charcoal	80P0066	Black
KOOLBLACK® E-Screen 3%	Charcoal/Apricot	80M0263	Bronze	SW 2701 1%	Oyster Chestnut	80P0065	Bronze
KOOLBLACK® E-Screen 3%	Cocoa/Apricot	80M0264	Bronze	SW 2701 1%	Oyster Pewter	80P0064	Silver
KOOLBLACK® E-Screen 5%	Charcoal/Charcoal	80M0265	Black	SW 4800 1%	Alabaster	80P0090	White
KOOLBLACK® E-Screen 5%	Charcoal/Cocoa	80M0266	Bronze	SW 4800 1%	Chalk	80P0089	White
KOOLBLACK® E-Screen 5%	Cocoa/Cocoa	80M0267	Bronze	SW 4800 1%	Clay	80P0244	Silver
KOOLBLACK® E-Screen 5%	Charcoal/Apricot	80M0268	Bronze	SW 4800 1%	Grey	80P0243	Silver
KOOLBLACK® E-Screen 5%	Cocoa/Apricot	80M0269	Bronze	SW 4800 1%	Pearl	80P0245	White
Metallic	Gold	80J0227	Bronze	SW 4800 1%	Sand	80P0091	White
Metallic	Silver	80J0226	Silver	SW 4800 1%	Taupe	80P0242	Sand
M-Screen 5%	Charcoal/Sable	80M0019	Bronze	SW 2410 3%	Beige	80P0116	Sand
M-Screen 5%	Cocoa/Charcoal	80M0021	Bronze	SW 2410 3%	Beige Pearl Grey	80P0117	Sand
M-Screen 5%	White/White	80M0018	White	SW 2410 3%	Charcoal Chestnut	80P0120	Bronze
M-Screen 5%	White Stone	80M0020	White	SW 2410 3%	Charcoal Grey	80P0237	Silver
M-Screen 5%- Deco	Harvest	80M0022	Bronze	SW 2410 3%	Oyster	80P0114	White
Provence Trans	Buff	80W0101	Sand	SW 2410 3%	Oyster Beige	80P0115	Sand
Provence Trans	Mocha	80W0103	Bronze	SW 2410 3%	Oyster/Pearl Grey	80P0236	Silver
Provence Trans	Pearl	80W0100	White	SW 2703 3%	Oyster/Beige	80P0247	Sand
Provence Trans	Pewter	80W0104	Sand	SW 2703 3%	Oyster Charcoal	80P0070	Black
Provence Trans	Silver	80W0105	Silver	SW 2703 3%	Oyster Chestnut	80P0069	Bronze
Provence Trans	Slate Gray	80W0106	Silver	SW 2703 3%	Oyster Pewter	80P0068	Silver
Provence Trans	Wheat	80W0102	Sand	SW 4000 5%	Ash	80P0252	Black
Provence Blackout	Buff	80W0108	Sand	SW 4400 3%	Alabaster	80P0083	White
Provence Blackout	Mocha	80W0110	Bronze	SW 4400 3%	Ash	80P0253	Black
Provence Blackout	Pearl	80W0107	White	SW 4400 3%	Chalk	80P0082	White
Provence Blackout	Pewter	80W0111	Sand	SW 4400 3%	Ebony	80P0088	Black
Provence Blackout	Silver	80W0112	Silver	SW 4400 3%	Greystone	80P0085	Silver
Provence Blackout	Slate Gray	80W0113	Silver	SW 4400 3%	Pebblestone	80P0084	Sand
Provence Blackout	Wheat	80W0109	Sand	SW 4400 3%	Pewter	80P0086	Silver
Soho	Black Iron	80W0120	Black	SW 4400 3%	Tobacco	80P0087	Bronze
Soho	Cloud White	80W0114	White	4800 1%	Flint	80P0265	Black
Soho	Cobblestone Gray	80W0118	Silver	4800 1%	Mink	80P0264	Bronze
Soho	Linen	80W0116	Sand	4800 1%	Mocha	80P0266	Bronze
Soho	Seashell	80W0115	White	SW 2390 5%	Biege Pearl Grey	80P0110	Silver
Soho	Steel Wool	80W0119	Silver	SW 2390 5%	Charcoal	80P0112	Black
Soho	Tawny	80W0117	Bronze	SW 2390 5%	Charcoal Chestnut	80P0113	Bronze
SW 2500 1%	Beige Pearl Grey	80P0124	Sand	SW 2390 5%	Charcoal Grey	80P0239	Silver
SW 2500 1%	Charcoal	80P0126	Black	SW 2390 5%	Oyster	80P0107	White
SW 2500 1%	Charcoal Chestnut	80P0127	Bronze	SW 2390 5%	Oyster Beige	80P0108	Sand



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SW 2390 5%	Oyster Pearl Grey	80P0238	Silver	Tones	Otter	80J0190	Sand
SW 2705 5%	Oyster/Beige	80P0248	Sand	Tones	Powder	80J0188	White
SW 2705 5%	Oyster Charcoal	80P0074	Black	Tones	Royal Blue	80J0185	White
SW 2705 5%	Oyster Chestnut	80P0073	Bronze	Tones	Sand	80J0191	Sand
SW 2705 5%	Oyster Pewter	80P0072	Silver	Tones	Sea Foam	80J0177	White
SW 4000 5%	Alabaster	80P0076	White	Tones	Wheat	80J0192	Sand
SW 4000 5%	Chalk	80P0075	White	Tribecca - Translucent	Artic	80W0122	White
SW 4000 5%	Ebony	80P0081	Black	Tribecca - Translucent	Bone	80W0123	Sand
SW 4000 5%	Greystone	80P0078	Silver	Tribecca - Translucent	Buff	80W0124	Sand
SW 4000 5%	Pebblestone	80P0077	Sand	Tribecca - Translucent	Ecru	80W0125	Sand
SW 4000 5%	Pewter	80P0079	Silver	Tribecca - Translucent	Granite	80W0127	Black
SW 4000 5%	Tobacco	80P0080	Bronze	Tribecca - Translucent	Gray Mist	80W0121	Sand
SW 7000 Blackout	Birch	80P0255	Sand	Tribecca - Translucent	Latte	80W0126	Bronze
SW 7000 Blackout	Canvas	80P0259	Sand	Tribecca - Blackout	Artic	80W0129	White
SW 7000 Blackout	Canyon	80P0261	Silver	Tribecca - Blackout	Bone	80W0130	Sand
SW 7000 Blackout	Cocoa	80P0260	Bronze	Tribecca - Blackout	Buff	80W0131	Sand
SW 7000 Blackout	Graphite	80P0262	Silver	Tribecca - Blackout	Ecru	80W0132	Sand
SW 7000 Blackout	Mushroom	80P0258	Sand	Tribecca - Blackout	Granite	80W0134	Black
SW 7000 Blackout	Onyx	80P0263	Black	Tribecca - Blackout	Gray Mist	80W0128	Sand
SW 7000 Blackout	Sand	80P0256	Sand	Tribecca - Blackout	Latte	80W0133	Bronze
SW 7000 Blackout	Wheat	80P0257	Sand	Vesper	White	80I0165	White
SW 7000 Blackout	White	80P0254	White	Vesper	Ivory	80I0166	White
Tones	Blizzard	80J0195	White	Vesper	Dove Grey	80I0167	Silver
Tones	Brown	80J0174	Bronze	Vesper	Dark Grey	80I0163	Silver
Tones	Cream	80J0194	Sand	Vesper	Black Duplex	80I0164	Black
Tones	Desert	80J0193	Sand	Vizela	Blanc	80M0027	White
Tones	Gray	80J0179	Silver	Vizela	Chartreux	80M0028	Silver
Tones	Light Gray	80J0180	Silver	Vizela	Loutre	80M0029	Silver
Tones	Majesty	80J0183	White	Vizela	Mississippi	80M0030	Sand
Tones	Navy	80J0184	Silver	Vizela	Sahel	80M0031	Sand



QMotion Fabric Wrapped Fascia

QMotion Fabric Wrapped Fascias have a maximum width of 120” depending on fabric selection. Please refer to the table for maximum widths based on fabric selection roll widths.

Fabrics Able to be Fabric Wrapped		Fabrics Unable to be Fabric Wrapped	
E-Screen (All- except KB)	120”	Avila	
M-Screen 5%	120”	Chantilly	
M-Screen Deco	98”	*E-Screen KOOLBLACK®	
Sheer Weave (2390, 2410, 2701)	120”	Eternity	
Sheer Weave (2500, 2703, 2705)	120”	*Flocké	
Tones	78”/94”	Green Screen Revive	
Vizela	94”	Infinity	
Tribeca Translucent	110”	Metallic	
		Provence Blackout	
		Provence Translucent	
		Soho	
		**Sheer Weave (4000, 4400, 4800)	
		SW 7000	
		Tribeca Blackout	
		Vesper	

NOTES

120” is the max width to be fabric wrapped on a fascia for all fabric.
 At this time dual fascia will not be fabric wrapped.

- * All room darkening blackout fabrics cannot be wrapped on a fascia, however, their non-blackout equivalent may be wrapped.
 - Flocké blackout’s non-blackout equivalent is Vizela.
 - Tribeca has a non-blackout equivalent.
 - KOOLBLACK® equivalent is regular solar E-Screen.

**We’ve done these in the past but after additional testing we are not confident in their performance as fabric wrap.

M-Screen Deco 5% in the color Harvest only comes in a max width of 98”.



QMotion Fabric Railroading

Railroadable Fabrics	Max Shade Width Before Railroading (Bracket to Bracket)	Railroading Not Available in these Fabrics	Max Shade Width (Bracket to Bracket)
Avila Twilight Blackout	118" see below	Chantilly	94"
E Screen 1%	122"	Eternity	94"
E Screen 3%	122"	Green Screen Revive	118"
E Screen 3% KB	122"	Infiniti	98"
E Screen 5%	122"	Metallic	78"
E Screen 5% KB	122"	M-Screen 5%	122"
E Screen 10%	122"	M-Screen Deco 5% - Harvest	98"
Flocké Blackout	94"	Provence (All)	110"
SW 2390 5%	126"	Soho	114"
SW 2410 3%	126"	SW 4000 5%	126"
SW 2500 1%	126"	SW 4400 3%	126"
SW 2701 1%	126"	SW 4800 1%	126"
SW 2703 3%	126"	Tones	78"
SW 2705 5%	126"	Tribecca (All)	110"
Vesper	72"		
Vizela	94"		
SW 7000	118" see below		

Fabrics that are able to fabric wrap and railroad are subject to change from time to time due to updates and changes made by fabric suppliers.

Important Notes:

1. Railroadable fabrics can be made 144"W x 144"L, but will require a seam (Qadvanced rollers only). Fabrics not able to be railroaded can be made 144" long. Avila cannot be seamed - max length is 90" when railroaded.
2. When you order a shade that requires a seam and you want the seam at a specific location, you must specify the length from the hembar to the seam location on the order.
3. M-Screen Deco 5% in the color Harvest only comes in a max width of 98".
4. The Avila, and SheerWeave 7000 materials are known to possibly "cup" on the ends when railroaded. QMotion will NOT warrant these railroaded materials for "cupping".



Customer's Own Material (C.O.M.)

In circumstances where the QMotion Shades fabric assortment is not similar to a desired material, customers may supply the fabric for the shade, and QMotion will manufacture the shade using this material. Often this is not using roller shade fabric and performance will vary with the type of finish of the fabric. Please verify with your fabric supplier that the fabric can perform properly on a flat roller shade.

In our efforts to craft a high quality product, one which both we, and you our dealer, would be pleased to call ours, we have a few small requirements before we can commit to producing shades from fabric that is not part of our standard, prequalified program. Due to the uniqueness of our patented lifting system, material thickness and weight is required to ensure proper performance of the finished shade. Additionally, to fabricate in an acceptable lead time with repeatable quality, we need to determine how the material interacts with our equipment; that is: how the fabric cuts and welds with our system. To this end, we will require samples of any fabrics that we have not yet produced or qualified – prior to committing to a project.

All policies and procedures are done in the best interest of our dealers and their customers as to meet product expectations when installed.

A dealer can get a COM and/or SOM material qualified. To qualify COM material, the dealer must supply the following information to a QMotion Customer Service Representative: 1) Fabric specifications (weight & thickness) and 2) A 3' x 3' sample material shipped to 3400 Copter Rd, Pensacola, FL 32514. Note: Quotes using a COM material are not valid until qualified and approved by QMotion engineers. QMotion reserves the right to decline any COM material that does not meet quality specifications. Pre-cut fabric bands that have another manufacturer's bottom bars will not be used by QMotion. All fabric must be shipped to us in ready to use condition, as we will not inspect for quality. Contact our Customer Care Team for material and testing requirements. SOM and COM material on Qlinks should have uniform material thickness to insure hembar alignment.

Special Ordered Material (S.O.M.)

In cases where customers desire a material from a supplier of roller shade fabric. This may be colors of our standard styles which are not stocked, or styles from other major suppliers. Please consult with your QMotion Customer Service Representative for information about specific fabrics, including pricing and lead times.

Note that in the case of both C.O.M. and S.O.M., there are extended lead times due to inbound freight and production scheduling.





Special Material

KOOLBLACK[®] TECHNOLOGY

Innovative, Patented Technology.

What is KOOLBLACK[®] Technology?

For the first time ever, KOOLBLACK[®] Technology incorporates reflective properties into dark color screen fabrics. This feature, coupled with the other benefits of dark colored fabrics, provides excellent contrast for a clear & sharp view through, color coordinated exterior building design, comfortable work environments, and maximized energy savings through reduced cooling costs.

Total Screen Benefits

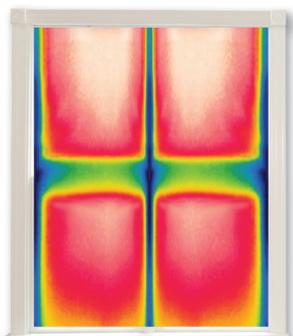
Only E Screen with KOOLBLACK[®] Technology can achieve all screen benefits:

- reduced temperature = lower cooling costs & comfortable work environments
- superior view through and glare control
- coordinated exterior building design and aesthetics - especially for commercial applications

50% of a buildings total energy consumption is used for heating and cooling which reduces heat and saves energy.

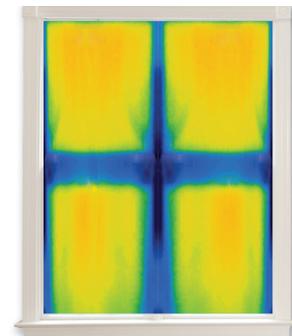
KOOLBLACK[®] Technology at Work

Reduced cooling costs & improved comfort with the glare control and view-through benefits of dark fabrics.



Standard Dark Screen Fabrics

- high contrast for clear & sharp view through
- coordinated exterior building design
- exceptional glare control

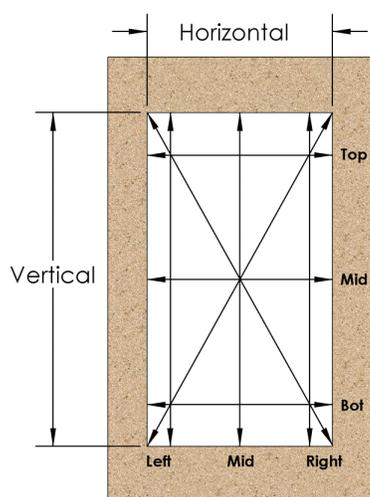


E Screen with KOOLBLACK[®] Technology

- same great features as standard dark screen fabrics
- up to 23% improvement in Solar Heat Gain Coefficient which is the measure of heat reflectivity, (SHGC) / G Value versus standard dark screen fabrics
- reflects NIR (near infrared) solar energy



QMotion Measurement Instructions



Opening Measurements

Inside Mount

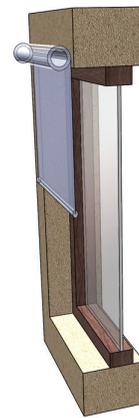


Standard Roll Direction

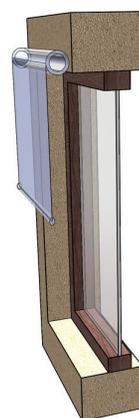


Reverse Roll Direction

Outside Mount



Standard Roll Direction



Reverse Roll Direction

Measure and assess area to be covered:

- Measure opening to be covered vertically and horizontally in three places.
- If vertical measurements vary more than $\frac{1}{2}$ " we recommend an outside mount.
- If horizontal measurements vary more than $\frac{1}{2}$ " we recommend an outside mount.
- Measure and compare diagonals to determine if opening is square.
- If corner to corner diagonal measurements vary more than $\frac{1}{2}$ " we recommend an outside mount.
- Use a level to determine if opening is plumb and square.
- If out of square or out of plumb by more than $\frac{1}{2}$ " we recommend an outside mount.

Measurement rules:

- Make all measurements to the nearest $\frac{1}{16}$ ". On inside mount applications, round down.
- Measure all windows, even if they appear to be the same size.

Considerations:

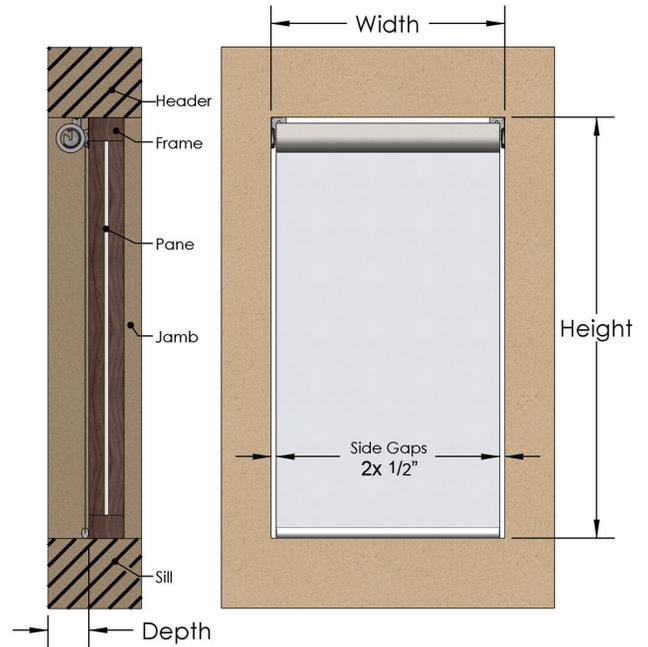
- There must be significant support structure to hold the shade, i.e. wood, concrete, anchored drywall, etc.
- For drywall you may use heavy duty auger style drywall anchors rated sufficient for the weight of the shade.
- Standard roll or reverse roll are available. Reverse roll may be needed to free shade path from obstructions, i.e. handles, locks, alarm sensors, molding, trim, etc.



QMotion Measurement Instructions (cont.)

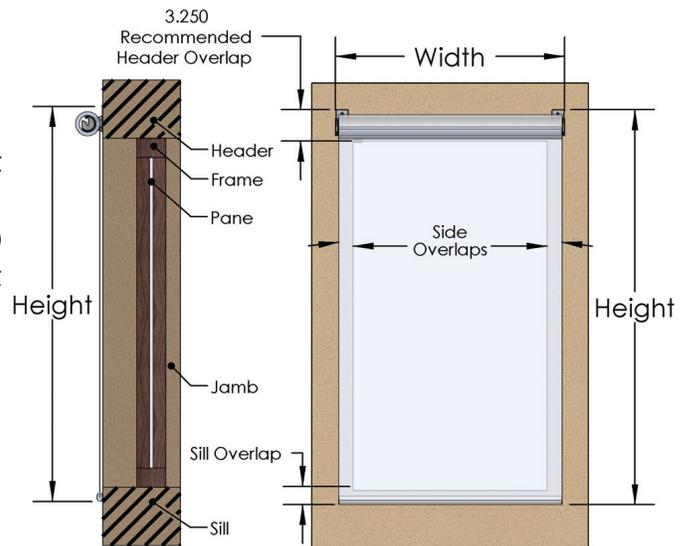
Required order form measurements for **INSIDE MOUNT:**

- Use the smallest horizontal measurement for **WIDTH**. This is outside of bracket to outside of bracket.
- Use the largest vertical measurement for **HEIGHT**.
- Measure and record **DEPTH**. Use the minimum distance from the outside of opening to the window including window mullions if they exist. This is important in determining if the shade and fascia will protrude into the room and out of the opening.



Required order form measurements for **OUTSIDE MOUNT:**

- Determine **FABRIC WIDTH** based on largest horizontal measurement PLUS total desired side overlap.
- Minimum 1.5" side overlap is recommended.
- Establish **WIDTH** dimension by adding 1" to the **FABRIC WIDTH**. This is outside of bracket to outside of bracket. (Note: Brackets extend beyond **FABRIC WIDTH** by 1/2" on each side.)
- Determine **HEIGHT** by adding 3.25" to largest vertical measurement and desired **Sill** overlap.
Note : Minimum 1" Sill overlap is recommended.



Qadvanced Roller Shades Sample Order Form

Return to: Fax (850) 208-3499 [email] qmotionshades@qmotionshades.com
 Date: 2-10-16
 Phone: 877-849-6070

Shipping Information
 Name: Test Account
 Address: 3400 Copter Rd.
Pensacola FL 32514
 City State Zip

1) Dealer Name/ Number: Test Account
 2) Sidemark/ PO#: Smith Residence PO8311
 3) Contact Email for Confirmation: qmotioninfo@qmotionshades.com
 4) New Job or Add On to Existing Job (New) Add (please select one)
 5) Should brackets/fascia sizes match? Entire Project / No Matching Required
 6) Please list 3rd party control system (if applicable): Vantage

Special Shipping Requests:

Line Item	Comm Protocol* (See Notes Below)	Shade Type Single (S) Dual (D) Cassette (C) Curtain (CR) Cable (CB)	Power Type Battery (B) Low Voltage (L) Hardwired (H) Manual (M)	Fabric Name/ Number	Width** (Bracket to Bracket) Inches	Height Inches	Mount Inside (I) Outside (O)	Roll Direction Standard (S) Reverse (R)	Hembar Finish Painted (P) Fabric (F)	Pocket Install Yes (Y) No (N)	Fascia Finish*** (See Below)	Only Answer if Applicable		Location
												Universal Bracket Mount Orientation (Top, Back, Side/ Top, Side/ Back)	Chain or Wire Side*** Left (L) Right (R)	
1	ZB/G2/G3	S	B	80M0037	38	70	O	S/R	P/F	Y/N	W	L/R	SC/SA/B	MBR
2	ZB/G2/G3	S	B	80M0002	24	46	I	S/R	P/F	Y/N	W	L/R	SC/SA/B	Living Door
3	ZB/G2/G3	QB	M	80P0121	17	65	O	S/R	P/F	Y/N	W	L/R	SC/SA/B	Bathroom
4	ZB/G2/G3	C	B	80M0002	35	80	O	S/R	P/F	Y/N	BL	L/R	SC/SA/B	Guest Bed
5	ZB/G2/G3	S	B	80M0045	60	120	O	S/R	P/F	Y/N	SI	L/R	SC/SA/B	Movie Room
6	ZB/G2/G3						I	S/R	P/F	Y/N		L/R	SC/SA/B	
7	ZB/G2/G3						I	S/R	P/F	Y/N		L/R	SC/SA/B	
8	ZB/G2/G3						I	S/R	P/F	Y/N		L/R	SC/SA/B	
9	ZB/G2/G3						I	S/R	P/F	Y/N		L/R	SC/SA/B	
10	ZB/G2/G3						I	S/R	P/F	Y/N		L/R	SC/SA/B	

QIS and ZigBee HAL2 Accessories	Gen 2 Accessories		Gen 3 Accessories	
	# Multichannel Qd Remote	# Wallplate	# Single Channel Qd Remote	# Multichannel Qd Remote
2				
2				
1				
3				
	# Range Extender		# Single Channel Wallplate	# Opync
	# Bundle (1 Qubo + 2 Range Extenders)		# Single Channel Double Wallplate	# Single Shade Power Supply
	# Single Shade Hardwired Switch		# Single Channel Triple Wallplate	# Four Shade Power Distribution Box
	# Double Shade Hardwired Switch		# Multichannel Wallplate	# Sixteen Shade Power Panel
	# Power & Comm. Panel (8 ports)		# Multichannel Double Wallplate	# Qrealy
	4" Male RJ45 Wire Lead (hardwired)		# Wallplate Adapter	
	4" Female RJ45 Wire Lead (hardwired)		# Opync	
	6" Male RJ45 Wire Lead (hardwired)		# Qconnect	
	6" Female RJ45 Wire Lead (hardwired)		# Qrealy	
	35" Male RJ45 Wire Lead (hardwired)		# Single Shade Power Supply	
	35" Female RJ45 Wire Lead (hardwired)		# Four Shade Power Distribution Box	
			# Sixteen Shade Power Panel	

Important Notes & Information

** Width- For all IM (inside mount) applications, QMotion will take a factory deduction of 1/8" from the bracket to bracket dimension

* Communication Protocol:
 (ZB) Meets ZigBee HAL2 Specification, 2-way communication
 (G2) Gen 2- standard 1-way communication
 (G3) Gen 3- proprietary protocol, 1-way communication

*** Fascia Finish - (W) White, (BL) Black, (SI) Silver, (SA) Sand, (BR) Bronze, (FW) Fabric Wrap, (PC2) 2" White Pocket Closure, (PC3) 3" White Pocket Closure. -120" is the max width a fascia can be fabric wrapped. Some fabrics cannot be wrapped on the fascia. Please reference the product guide for a list of these fabrics.
 -For IM (inside mount) fascia applications, QMotion will take a 1/16" factory deduction off the bracket to bracket dimension.
 -For SPECIFIC CUT WIDTH, please specify the specific width for the fascia in the NOTES column (Tolerance is +/- 1/16").

**** Only nickel plated steel (default) or upgradeable stainless steel chain available. Please specify chain finish in notes.

PLEASE REFER TO THE PRODUCT GUIDES FOR DETAILS ON ALL OPTIONS, INCLUDING DESCRIPTIONS FOR COMMUNICATION OPTION DETAILS.

Notes:
 -Stainless Steel chain for QB
 -Silver side and sill for line 5

Qmotion Roller Shades Order Form

Return to: [Fax] (850) 208-3409 [email] qmotionshades.com

Advanced Roller Quote Request Form

Shipping Information

Name: _____ Phone: _____ Date: _____

Address: _____

City: _____ State: _____ Zip: _____

City

State

Zip

Name

Phone

Special Shipping Requests:

1) New Job or Add On to Existing Job? New / Add

2) Should brackets/ fascia sizes match? Same Room / Entire Project / No Matching Required

3) Please list 3rd party control system (if applicable): _____

(please select one)

4) Contact Email for Confirmation: _____

5) Dealer Name/ Number: _____

6) Sidemark/ PO#: _____

7) Contact Email for Confirmation: _____

8) Dealer Name/ Number: _____

9) Sidemark/ PO#: _____

10) Contact Email for Confirmation: _____

11) Dealer Name/ Number: _____

12) Sidemark/ PO#: _____

13) Contact Email for Confirmation: _____

14) Dealer Name/ Number: _____

15) Sidemark/ PO#: _____

16) Contact Email for Confirmation: _____

17) Dealer Name/ Number: _____

18) Sidemark/ PO#: _____

19) Contact Email for Confirmation: _____

20) Dealer Name/ Number: _____

21) Sidemark/ PO#: _____

22) Contact Email for Confirmation: _____

23) Dealer Name/ Number: _____

24) Sidemark/ PO#: _____

25) Contact Email for Confirmation: _____

26) Dealer Name/ Number: _____

27) Sidemark/ PO#: _____

28) Contact Email for Confirmation: _____

29) Dealer Name/ Number: _____

30) Sidemark/ PO#: _____

31) Contact Email for Confirmation: _____

32) Dealer Name/ Number: _____

33) Sidemark/ PO#: _____

34) Contact Email for Confirmation: _____

35) Dealer Name/ Number: _____

36) Sidemark/ PO#: _____

37) Contact Email for Confirmation: _____

38) Dealer Name/ Number: _____

39) Sidemark/ PO#: _____

40) Contact Email for Confirmation: _____

41) Dealer Name/ Number: _____

42) Sidemark/ PO#: _____

43) Contact Email for Confirmation: _____

Line Item

Quantity

Comm Protocol* (See Notes Below)

Shade Type (Single (S), Dual (D), Cassette (C), Office (OF), Obasic (Ob))

Power Type (Battery (B), Low Voltage (L), Hardwired (H), Manual (M))

Fabric Name/ Number

Width** (Bracket to Bracket) inches

Height inches

Mount (Inside (I), Outside (O))

Roll Direction Standard (S) Reverse (R)

Hembar Finish Painted (P) Fabric (F)

Pocket Install Yes (Y) No (N)

Fascia Finish** (See Below)

Universal Bracket Mount Orientation (Top, Back, Side/ Top, Side/ Back)

Chain or Wire Side*** Left (L) Right (R)

Side Channel (SC) Sill Angle (SA) Both (B)

Location

1

2

3

4

5

6

7

8

9

10

QIS and ZigBee HA1.2 Accessories

Multichannel Qd Remote

Wallplate

Cube

Range Extender

Bundle B (1 Cube + 4 Range Extenders)

Bundle C (4 Range Extenders)

Single Shade Hardwired Switch

Double Shade Hardwired Switch

Power & Comm. Panel (8 ports)

QIS Lead Length

4" Male

6" Female

35" QIS Wire Adapter (recommend ordering in pairs)

Gen 3 Accessories

Single Channel Qd Remote

Multichannel Qd Remote

Wallplate

Qsync

Single Shade Power Supply

Four Shade Power Distribution Box

Sixteen Shade Power Panel

Qrelay

Notes:

* Communication Protocols:

(ZB) Meets ZigBee HA1.2 Specification, 2-way communication

(G3) Gen 3 - proprietary protocol, 1-way communication

** Width- For all IM (inside mount) applications, QMotion will take a factory deduction of 1/8" from the bracket to bracket dimension

*** Fascia Finish - (W) White, (BL) Black, (SI) Silver, (SA) Sand, (BR) Bronze, (FW) Fabric Wrap, (PC2) 2" White Pocket Closure, (PC3) 3" White Pocket Closure.

-120" is the max width a fascia can be fabric wrapped. Some fabrics cannot be wrapped on the fascia. Please reference the product guide for a list of these fabrics.

-For IM (inside mount) fascia applications, QMotion will take a 1/16" factory deduction off the bracket to bracket dimension.

-For SPECIFIC CUT WIDTH, please specify the specific width for the fascia in the NOTES column (Tolerance is +/- 1/16").

**** Only nickel plated steel (default) or upgradable stainless steel chain available. Please specify chain finish in notes.

PLEASE REFER TO THE PRODUCT GUIDES FOR DETAILS ON ALL OPTIONS, INCLUDING DESCRIPTIONS FOR COMMUNICATION OPTION DETAILS.

5.15.17

Please do not place multiple jobs on the same form.

F-4

Qlink Roller Shades Order Form

Qlink Quote Request Form

Return to: [Fax] (850) 208-3409 [email] qmotionsales@qmotionshades.com



1) Dealer Name/ Number: _____ Name _____ Phone: _____ Date: _____
 2) Sidemark/ PO#: _____ Address _____
 3) Contact Email for Confirmation: _____ City _____ State _____ Zip _____
 4) New Job or Add On to Existing Job? **New / Add** (please select one)
 5) Please list 3rd party control system (if applicable): _____

Special Shipping Requests:

Line Item	Comm Protocol* (See Notes Below)	Power Type (Battery (B) Low Voltage (L) Hardwired (H) Manual (M))	Fabric Name/ Number	Overall Width** (Bracket to Bracket) inches	Height inches	Left Panel Width inches	Inner Width inches	Inner Width inches	Inner Width inches	Inner Width inches	Right Panel Width inches	Mount Inside (I) Outside (O)	Roll Direction Standard (S) Reverse (R)	Mount Orientation Top (T) Back (B)	Hembar Finish Painted (P) Fabric (F)	Pocket Install Yes (Y) No (N)	Fascia Finish*** (See Below)	Side Channel (SC) Sil/Angle (SA) Both (B)	Location
1	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
2	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
3	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
4	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
5	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
6	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
7	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
8	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
9	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	
10	ZB / G3											I / O	S / R	T / B	P / F	Y / N		SC / SA / B	

QIS and ZigBee HA1.2 Accessories

Multichannel Qd Remote _____
 # Wallplate _____
 # Qube _____
 # Range Extender _____
 # Bundle B (1 Qube + 4 Range Extenders) _____
 # Bundle C (4 Range Extenders) _____
 # Single Shade Hardwired Switch _____
 # Double Shade Hardwired Switch _____
 # Power & Comm. Panel (8 ports) _____

Gen 3

Single Channel Qd Remote _____
 # Multichannel Qd Remote _____
 # Wallplate _____
 # Qsync _____
 # Single Shade Power Supply _____
 # Four Shade Power Distribution Box _____
 # Sixteen Shade Power Panel _____
 # Overlay _____

QIS Lead Length

4" _____ Male _____
 6" _____ Female _____
 35" _____

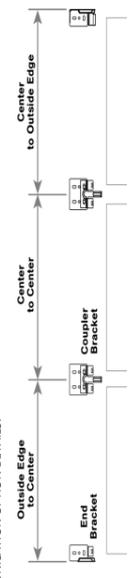
QIS Wire Adapter (recommended ordering in pairs)

Limitations:

-For Standard Roll Applications the motor and wire side is on the LEFT, for Reverse Roll Applications the motor and wire side is on the RIGHT (No exceptions)
 --Maximum opening height: 120" (pending fabric specifications) Maximum section width cannot exceed 120" (10')
 --Minimum Motor width: 33.25" Battery / 15.5" Low Voltage; Minimum Inner Width: 24"; Minimum Sprung Width: 24" (pending fabric height).
 --Recommend height to width ratio should not exceed 4:1.
 --Pocket Notes: WARNING - Qlink Pocket applications: No more than 2 panels recommended per application. Will require 1.25" clearance from the motor end bracket to the pocket end wall. Please plan accordingly. Minimum pocket depth is 5" to accommodate coupler unit and end brackets. Minimum pocket height is 4 1/2" to prevent coupler bracket from being exposed. Jamb depth needed to prevent shade roll from protruding is 3 3/4".

Important Notes and Information

PLEASE REFER TO THE PRODUCT GUIDES FOR DETAILS ON ALL OPTIONS, INCLUDING DESCRIPTIONS FOR COMMUNICATION OPTION DETAILS.
 * Communication Protocols:
 (ZB) Meets ZigBee HA1.2 Specification, 2-way communication
 (G3) Gen 3-proprietary protocol, 1-way communication
 ** Width: For inside mount width, use narrowest width measurement. IM Qlink will have 1/8" factory deduction per group. For outside mount width, use outside bracket to bracket width.
 *** Fascia Finish - (W) White, (BL) Black, (SI) Silver, (SA) Sand, (BR) Bronze, (FW) Fabric Wrap, (PC2) 2" White Pocket Closure, (PC3) 3" White Pocket Closure.
 --120" is the max width a fascia can be fabric wrapped. Some fabrics cannot be wrapped on the fascia. Please reference the product guide for a list of these fabrics.
 --For IM (inside mount) fascia applications, OMotion will take a 1/16" factory deduction off the bracket to bracket dimension.
 --For SPECIFIC CUT WIDTH, please specify the specific width for the fascia in the NOTES column (Tolerance is +/- 1/16").

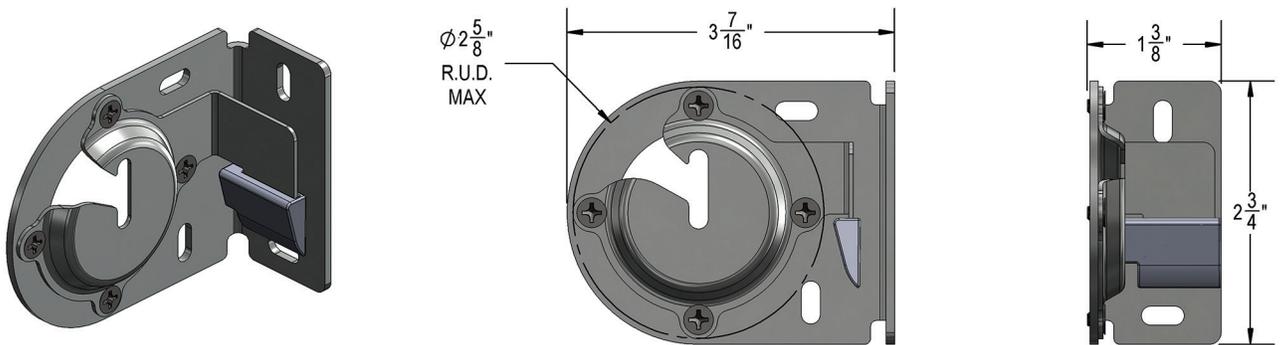




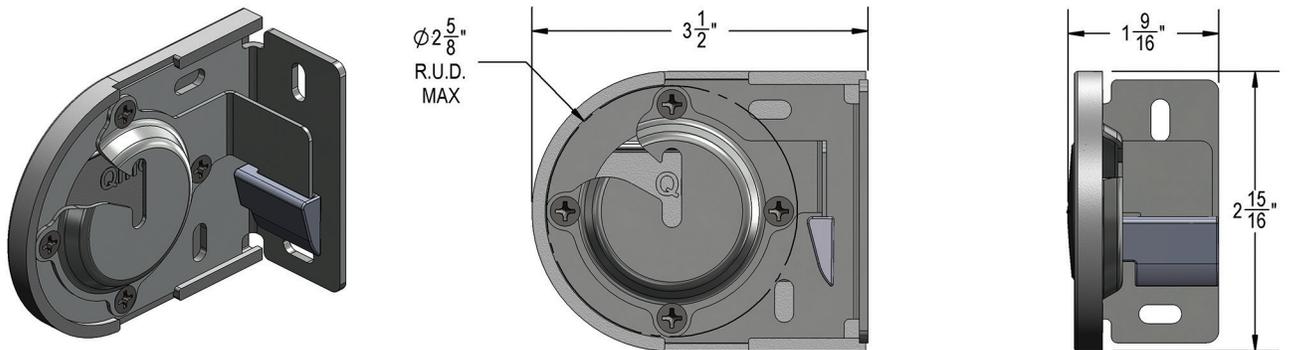
Brackets (Universal Back Mount)

(Automated and Qfree)

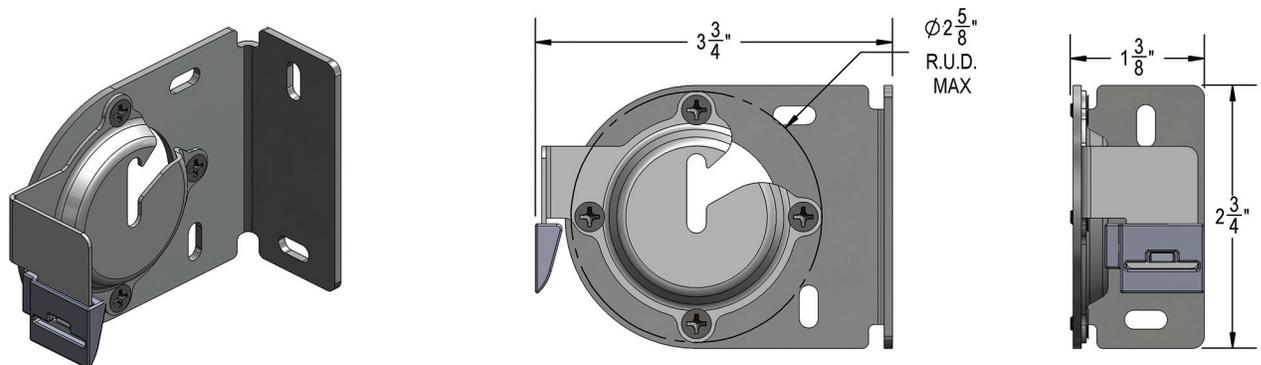
2.6 Universal Bracket Back Mount, No Cover



2.6 Universal Bracket Back Mount, Cover



2.6 Universal Bracket Back Mount, No Cover, Reverse

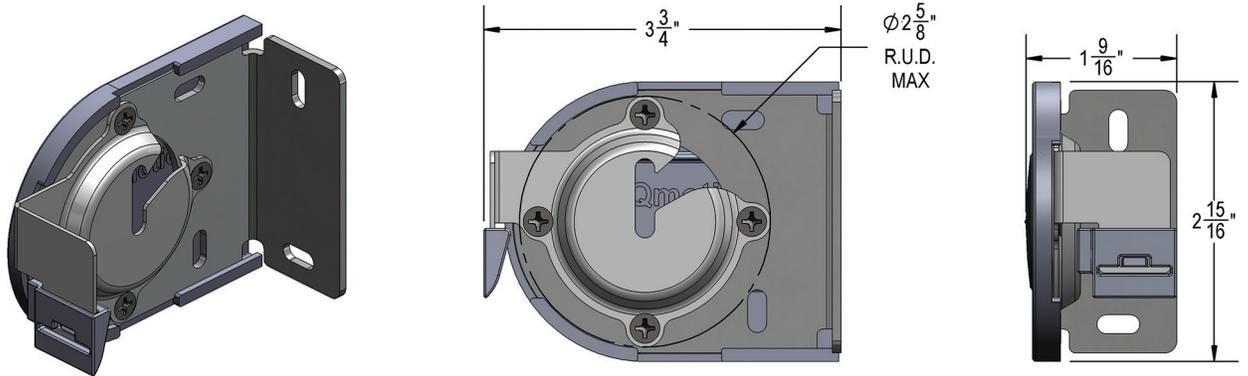




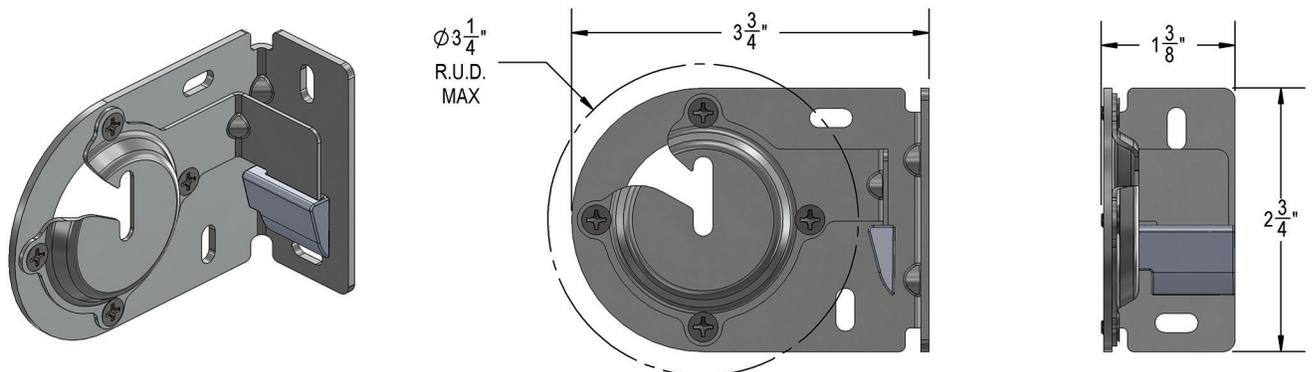
Brackets (Universal Back Mount)

(Automated and Qfree)

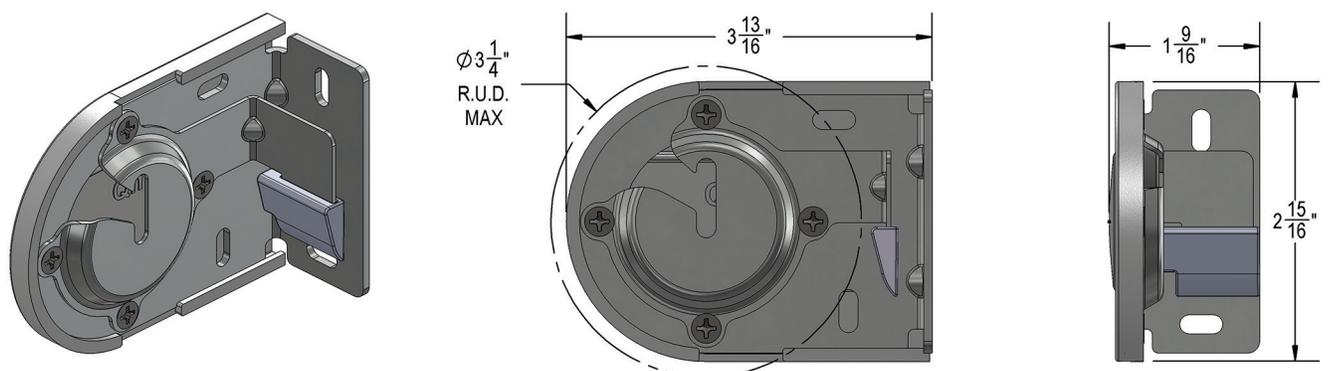
2.6 Universal Bracket Back Mount, With Cover, Reverse



3.3 Universal Bracket Back Mount, No Cover



3.3 Universal Bracket Back Mount, With Cover

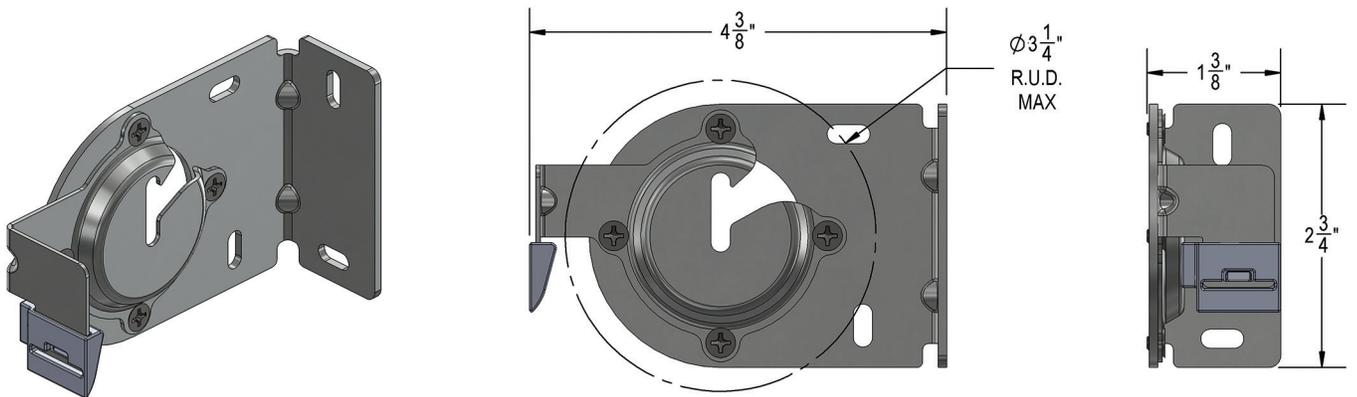




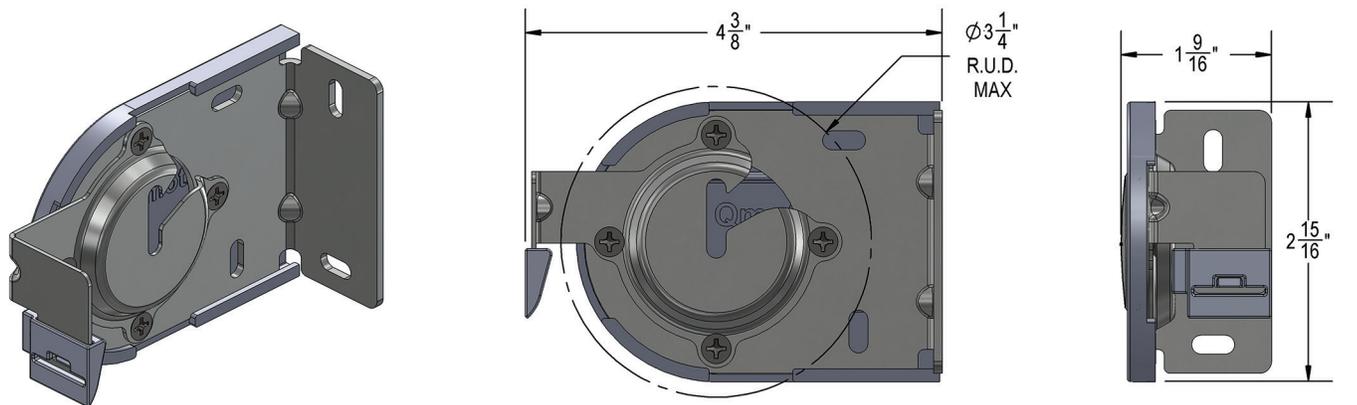
Brackets (Universal Back Mount)

(Automated and Qfree)

3.3 Universal Bracket Back Mount, No Cover, Reverse



3.3 Universal Bracket Back Mount, With Cover, Reverse

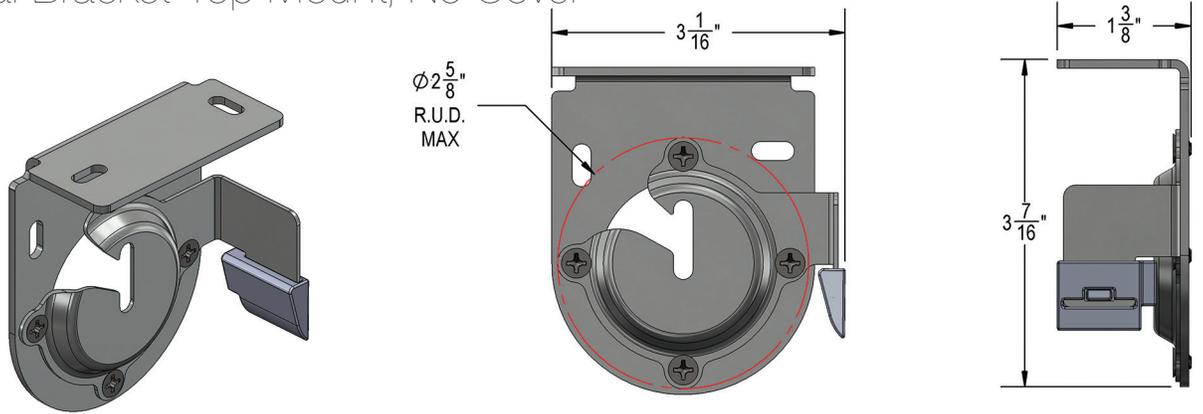




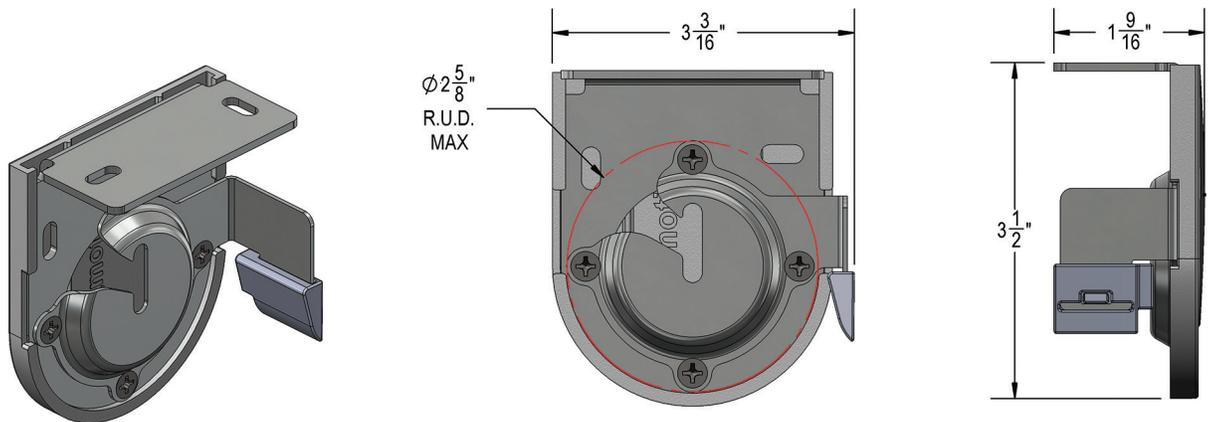
Brackets (Universal Top Mount)

(Automated and Qfree)

2.6 Universal Bracket Top Mount, No Cover



2.6 Universal Bracket Top Mount, With Cover

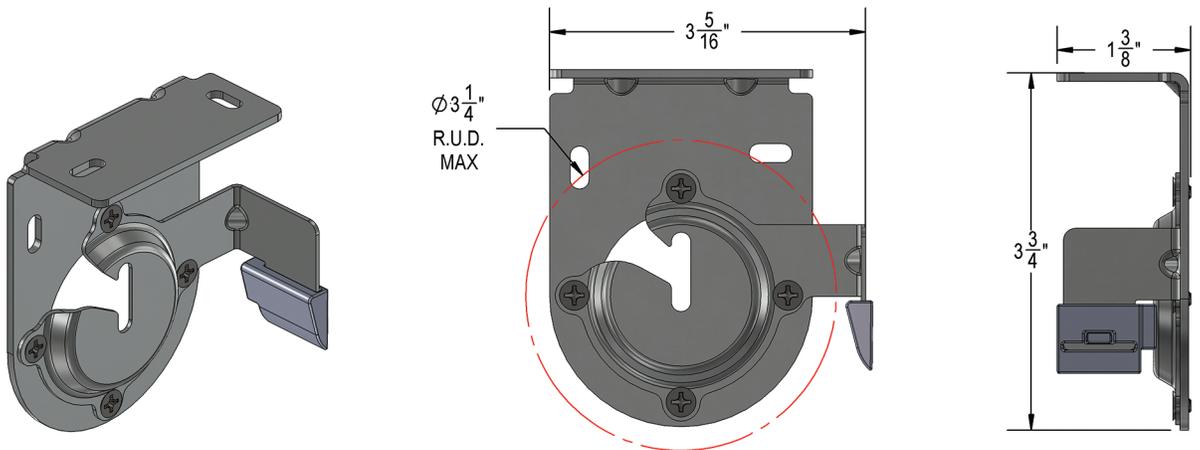




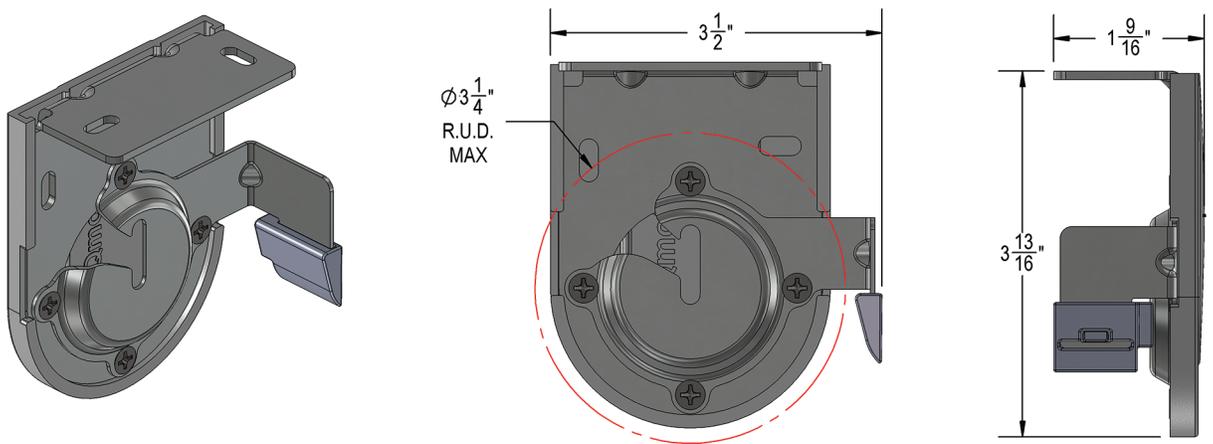
Brackets (Universal Top Mount)

(Automated and Qfree)

3.3 Universal Bracket Top Mount, No Cover



3.3 Universal Bracket Top Mount, With Cover



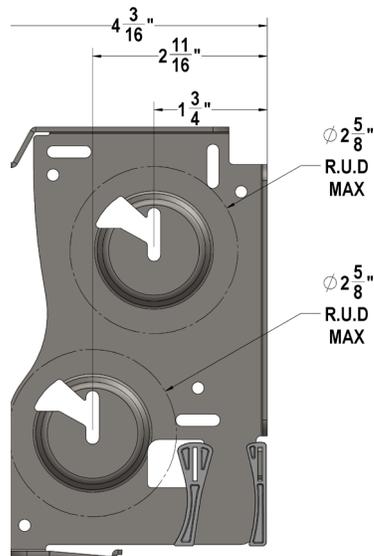
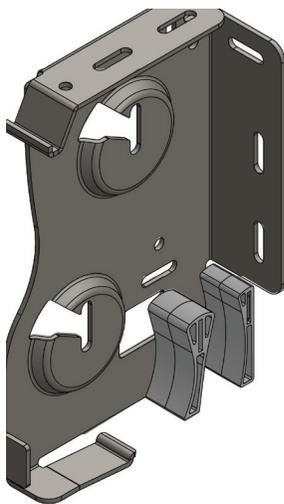
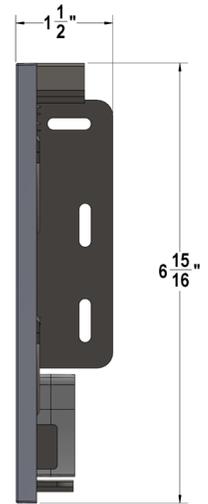
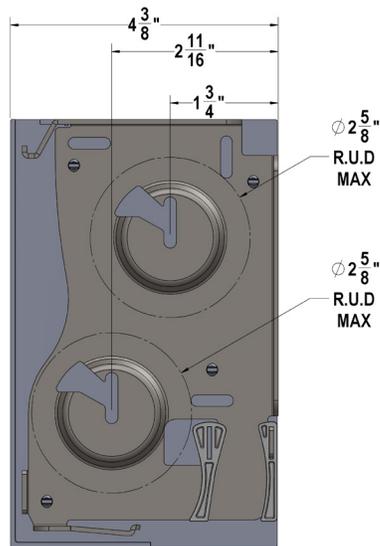
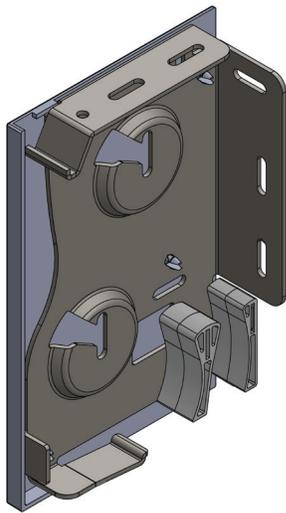


Dual Brackets

Automated

2.6 Dual Bracket

*Standard Roll Application Only

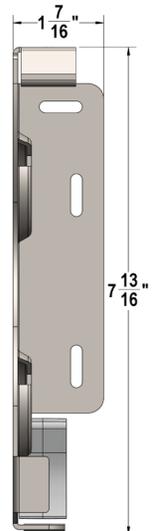
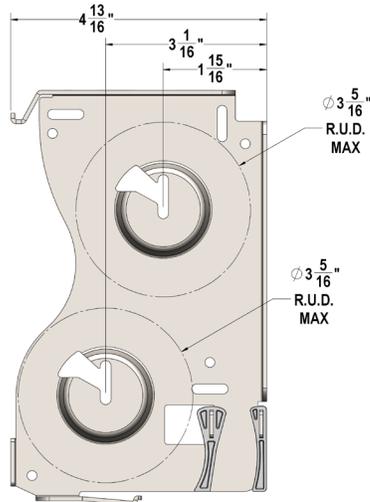
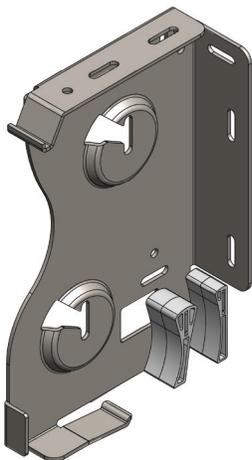
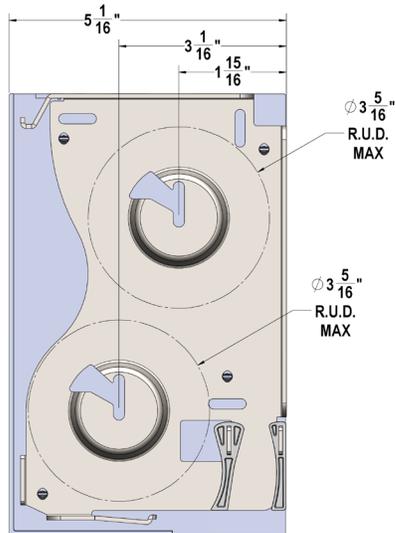
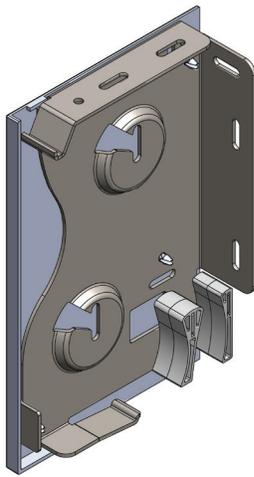




Dual Brackets Cont. Automated

3.3 Dual Bracket

*Standard Roll Application Only

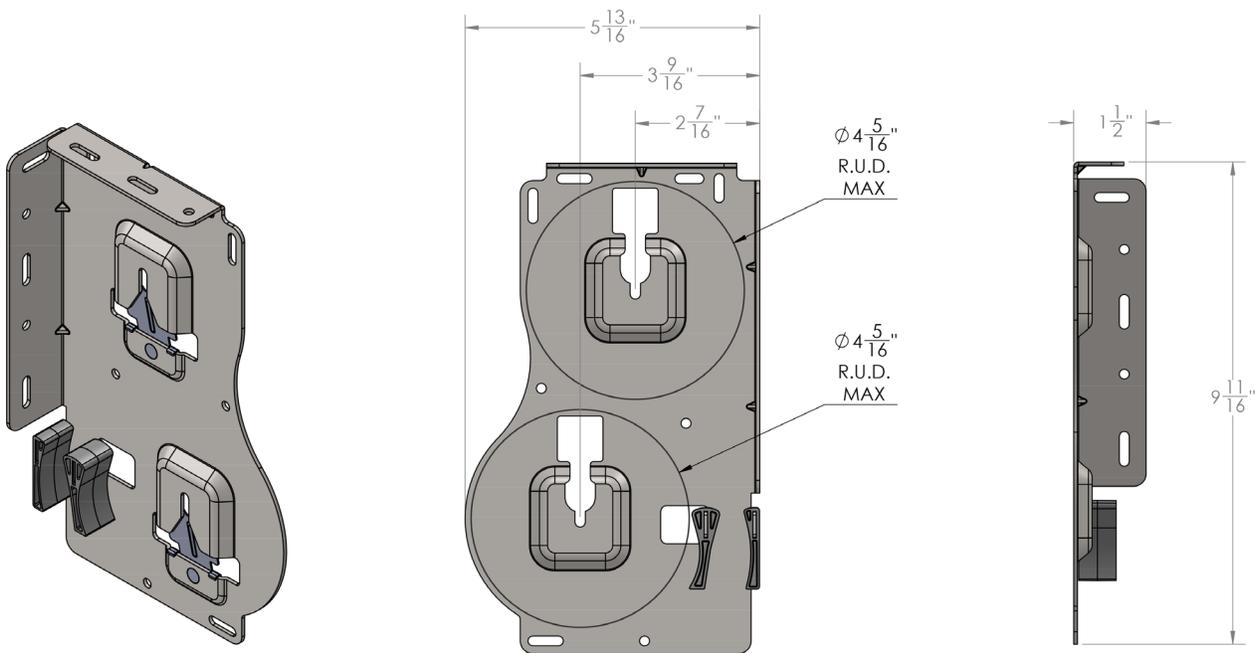




Dual Brackets Cont. Automated

4.3 Dual Pocket Bracket

*Standard Roll Application Only

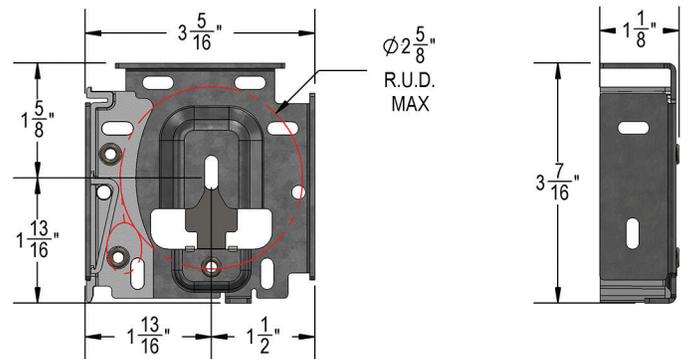
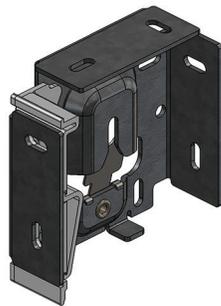




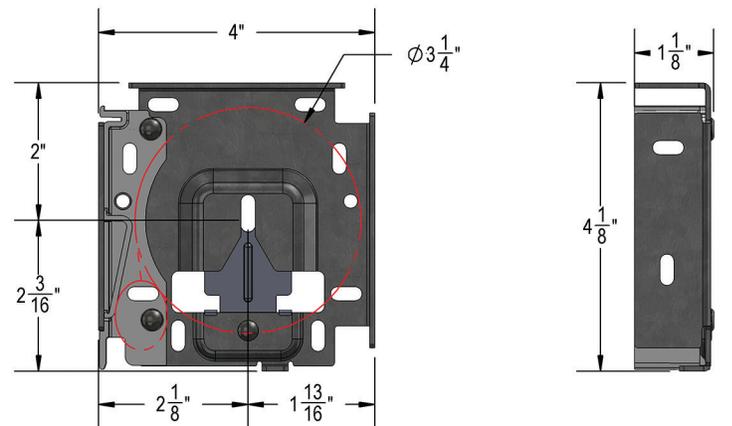
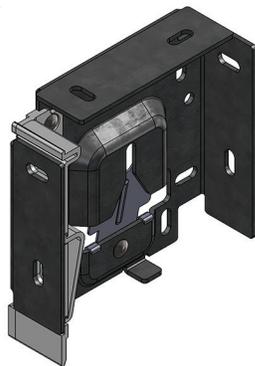
Fascia Brackets

(Automated and Qfree)

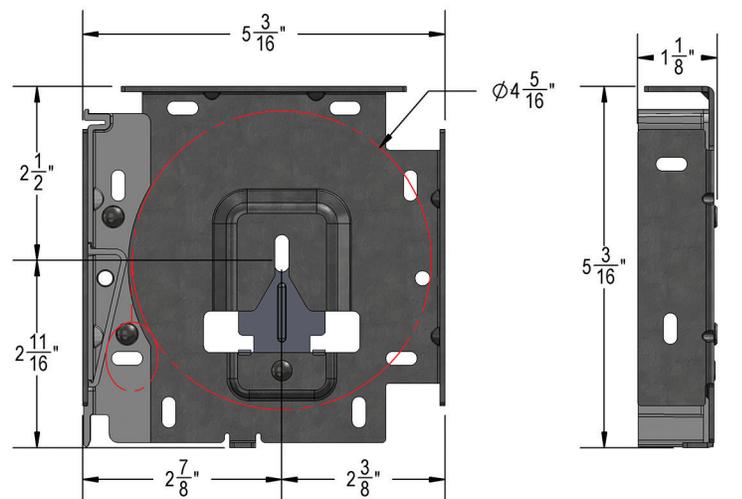
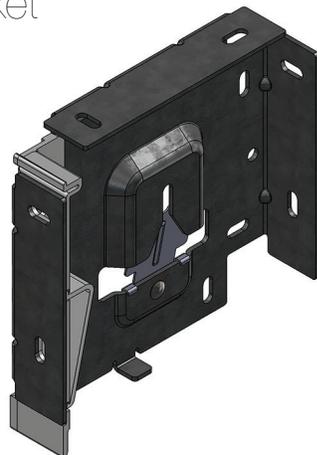
2.6 Fascia Bracket



3.3 Fascia Bracket



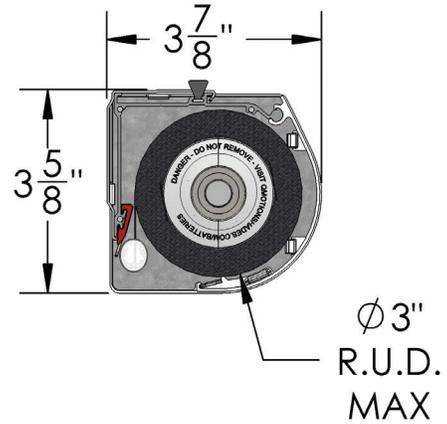
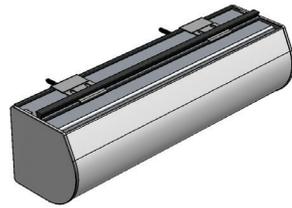
4.3 Fascia Bracket



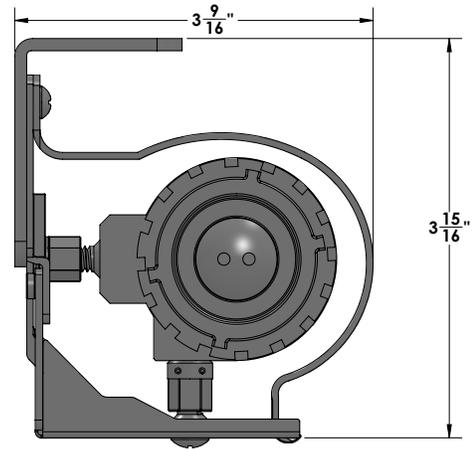
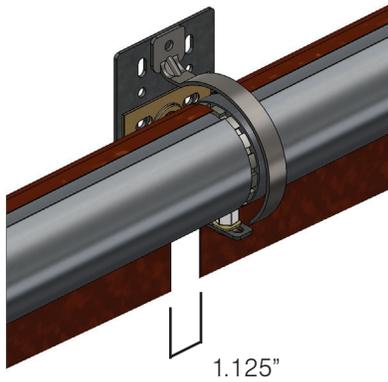


Cassette

Single Cassette



Qlink



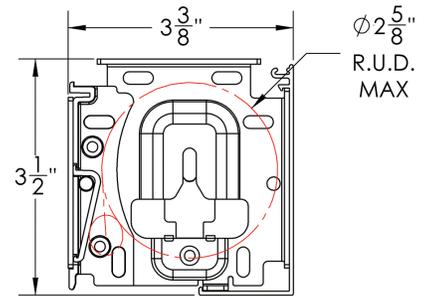
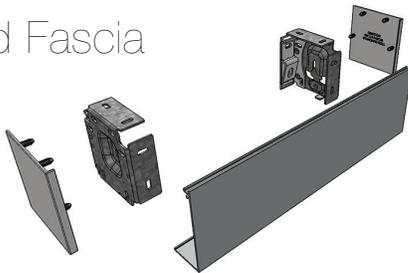
3.3 TOP MOUNT

* R.U.D. indicates the maximum diameter on the system. Check fabric charts for specific shade diameters.

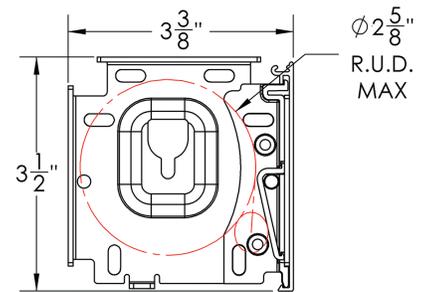
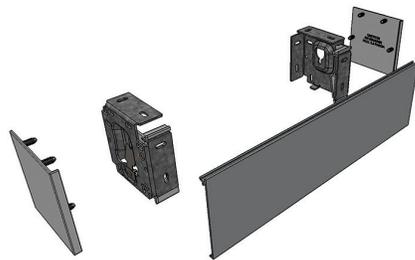


QMotion Fascia (2.6")

Standard Fascia

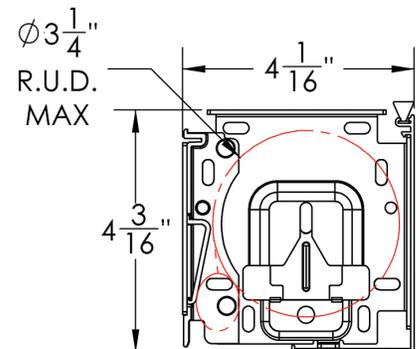
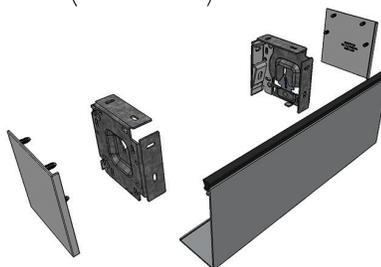


Reverse Fascia

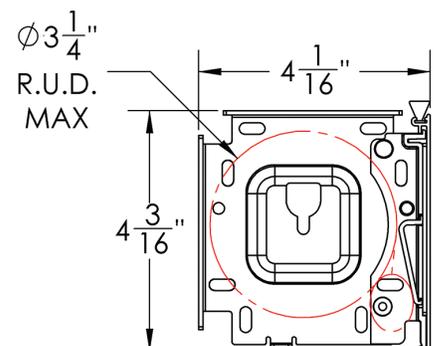
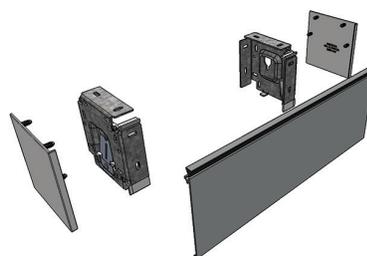


QMotion Fascia (3.3")

Standard Fascia



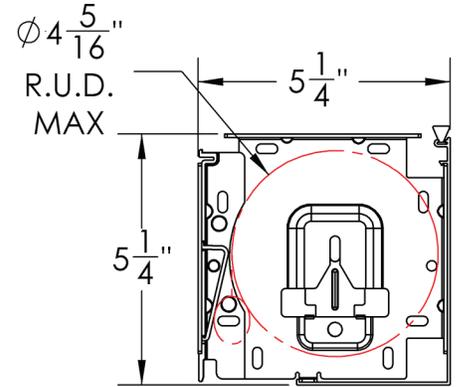
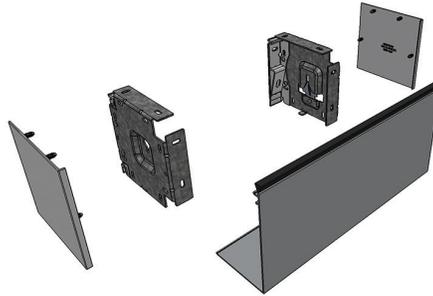
Reverse Fascia



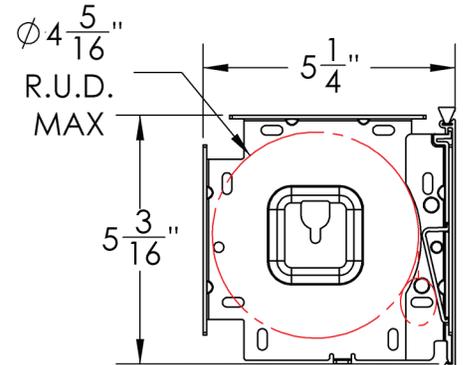
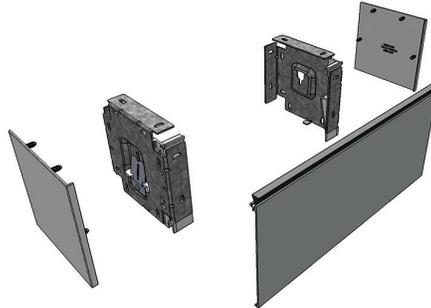


QMotion Fascia (4.3")

Standard Fascia



Reverse Fascia

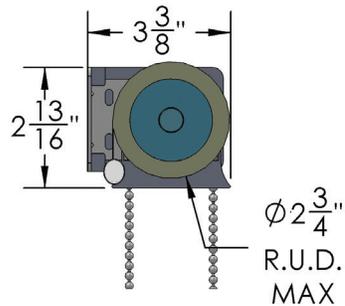
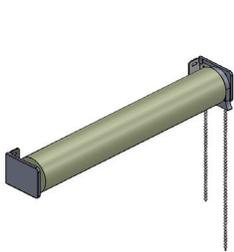




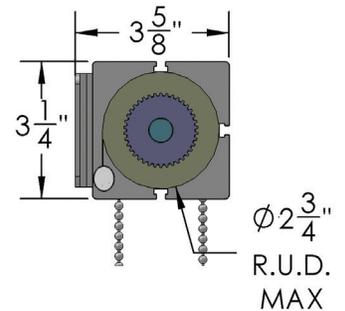
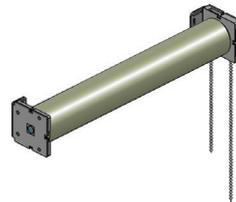
QBasic (Manual) Mounting Dimensions

For our various shade choices these drawings can help determine the minimum required space in the window for mounting.

Qbasic QB-17



Qbasic QB-28



* R.U.D. indicates the maximum diameter on the system. Check fabric.

Note: QB-17 shades need to be upgraded to QB-28 if fascia is required.

Note: All Qbasic shades with side channel applications are only available in standard rolls.



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Environmental Statement

RoHS COMPLIANT.

WEEE (Waste Electrical and Electronic Equipment) Statement.

Disposal of Waste Equipment by Users in Private Household in the European Union.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



Limited Warranty

QMotion, (the “Manufacturer”) warrants that this QMotion window shade product will be free from defects in materials and workmanship for 5 years, beginning from the date first sold to the commercial or residential consumer who has, or intends to, use the product, as evidenced by such consumer’s proof of purchase:

Exclusions From this Limited Warranty: This limited warranty shall be null and void and no part of it shall apply if any one of the following occur: 1) the product has not been properly installed by a qualified installer in accordance with all Manufacturer specifications; 2) the product has been subject to unauthorized service; 3) the product has been subject to mis-handling, misuse, or abuse; 4) the product has been modified; 5) the product has suffered damage resulting from lightning, power surges, vandalism, fire, earthquake, acts of nature, or any other cause which the product was not designed to withstand; 6) the product has been used, or attempted to be used, for other than the customary usage or for other than the product’s intended use; 7) the product has not been maintained; 8) damage to the product caused by battery decay or corrosion.

This Limited Warranty extends only to the original owner. This Limited Warranty is not transferable. This Limited Warranty does not cover normal wear or tear or deterioration which occurs with the passage of time.

Batteries originally provided with a new product, if any, are produced by a third party and are not warranted by Manufacturer.

No employee, distributor, dealer, agent or representative is authorized to change the terms of this Limited Warranty in any way, to extend the warranty time periods, or to grant additional warranties, and no attempt to do any of the foregoing will be binding upon Manufacturer.

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Claims for defects in material and workmanship covered by this Limited Warranty must be made in writing to the dealer from whom the product was originally first purchased within the warranty period stated above. Manufacturer may either send a service representative or have the product returned to Manufacturer’s facility, at Buyer’s expense, for inspection. If judged by Manufacturer to be defective in material or workmanship, and to otherwise be covered by this Limited Warranty, the product will be replaced or repaired at the option of Manufacturer, in its sole and absolute discretion, free from all charges except authorized



transportation and replacement labor. Replacement labor, transportation costs, and any other costs or charges by the dealer, wholesaler, distributor, contractor, or installer are not covered by this Limited Warranty. Any replacement unit may be a model determined by Manufacturer to be equivalent to the defective model, or a product that has been factory refurbished. The remainder of original warranty period will apply to any repair/replacement unit.

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