

# lighting, electrics & communications

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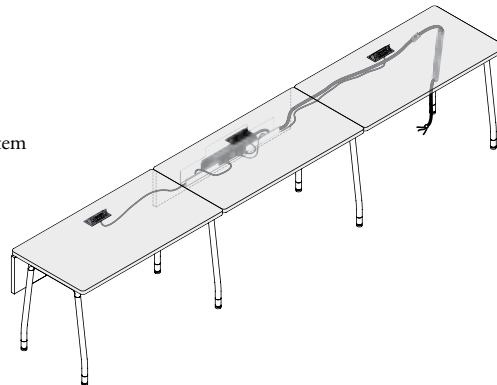
## lighting, electrics & communications overview

Particular attention should be paid to the correct selection of electrical components. You should follow the steps given on this page.

- 1 Select the workstation configuration
- 2 Select the appropriate power outlets and plug-ins for your particular workstation configuration. A variety of products are available to provide access to power and communications under or above the worksurface
- 3 Choose three-wire system as plug-in system or choose between the five shielded wiring systems:
  - The four-wire system (4B) has two standard circuits.
  - The seven-wire system (7K) has four standard circuits with two neutrals.
  - The seven-wire system (7T) has three standard circuits with one neutral.
  - The eight-wire system (8T) has three standard circuits and one isolated circuit.
  - The eight-wire system (8K) has two standard circuits and two isolated circuits.
- 4 Determine the number of power sources required and their location, then select the required feed (base)
- 5 Select the required products to connect power components

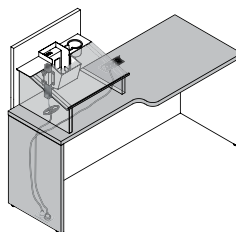
### Worksurfaces or Tables Application

Shielded wiring systems (4B, 7K, 7T, 8T or 8K) or plug-in system can be specified underneath all Worksurfaces



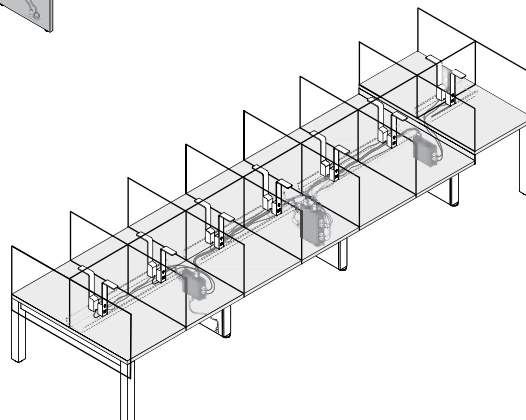
### Instructor Desks or Hub Tables Application

Only the plug-in system can be specified underneath desks or tables



### Library Tables Application

Shielded wiring system (7K) or plug-in system can be specified underneath Library Tables



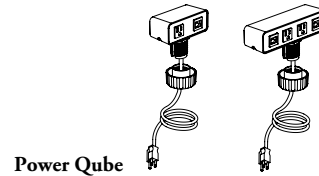
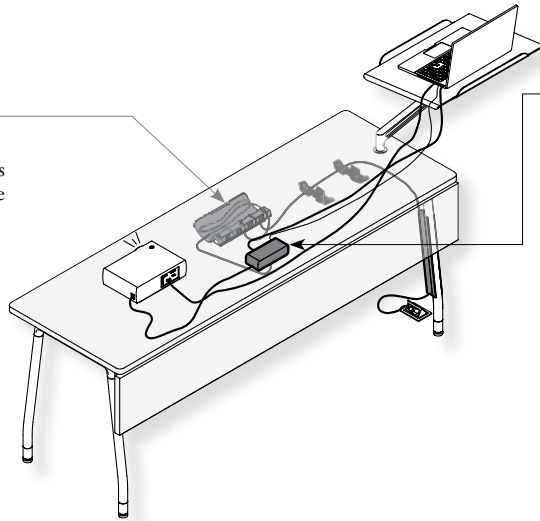


# understanding learning table wire managements



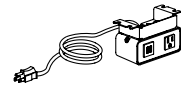
## Cable Tray

Is mounted below any worksurface to manage cables coming from the worksurface level

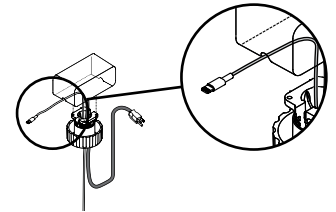


## Power Qube

- The Power Qube is designed to provide access to electric, data or USB charger ports at the worksurface level or underneath
- When mounted above worksurface, it must be fixed inside the square grommet ring provided
- When installed below worksurface, it must be fixed with the Underworksurface Bracket



- There is an opening on each side of the Qube to route communication cables (at the time of the installation)

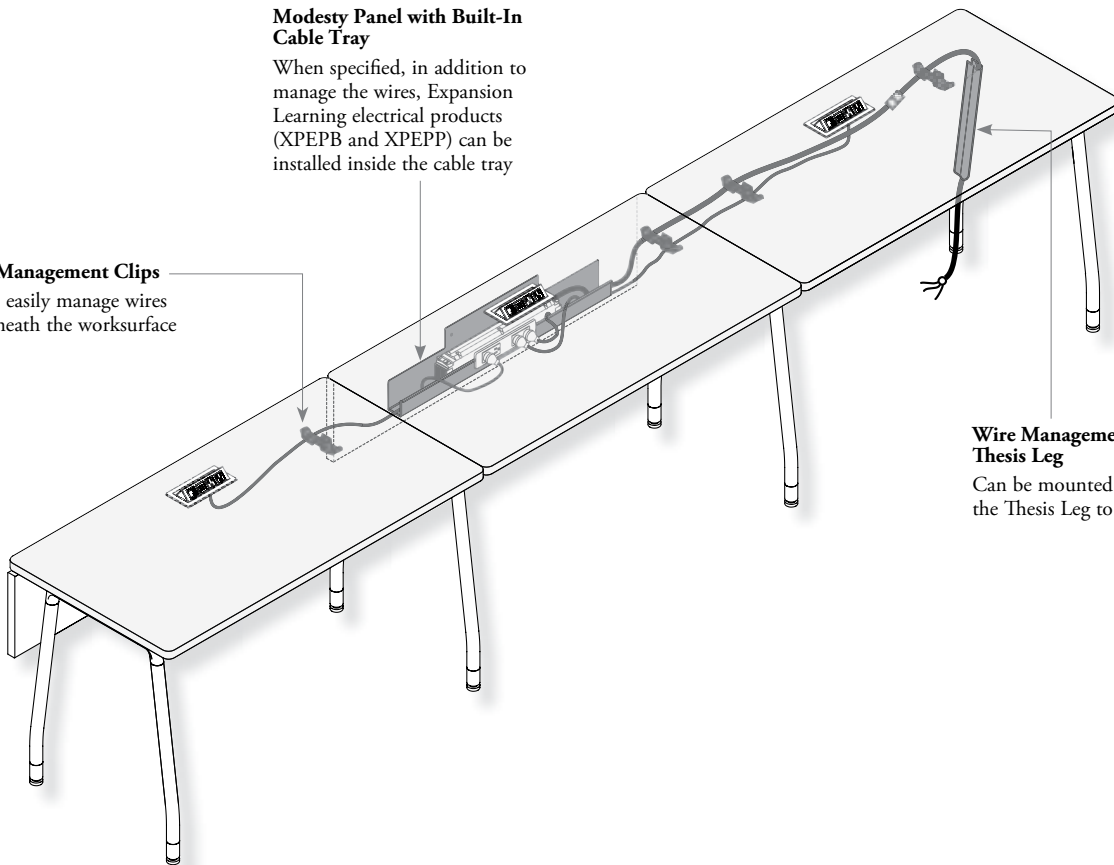


## Modesty Panel with Built-In Cable Tray

When specified, in addition to manage the wires, Expansion Learning electrical products (XPEPB and XPEPP) can be installed inside the cable tray

## Wire Management Clips

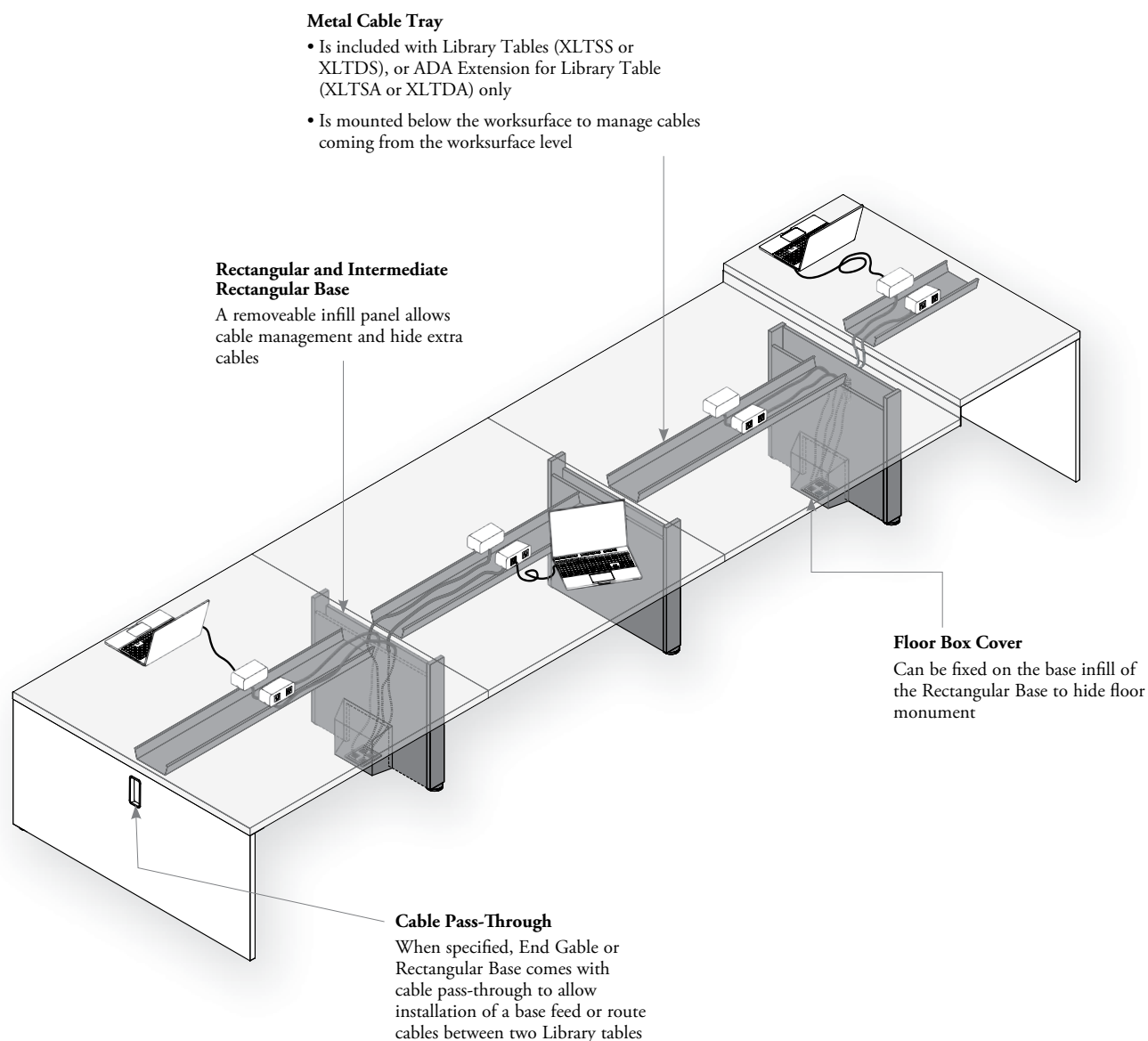
Use to easily manage wires underneath the worksurface



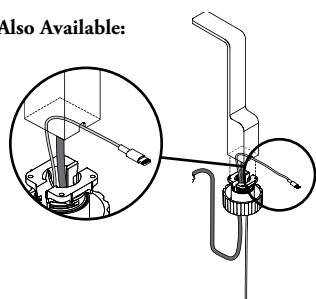
## Wire Management Cover – Thesis Leg

Can be mounted on the post of the Thesis Leg to route cables

## understanding library table wire managements



### Also Available:



#### LED Reading Lamp

- This product is designed to provide lighting, access to electric and USB charger ports at the worksurface level
- An opening in the back of the lamp allows to route a communication cable at the time of the installation



#### Duo Grommet – Square

Square Cut-Out style must be determined at time of specification of the worksurface. The surface will come with pre-drilled holes to ease the installation



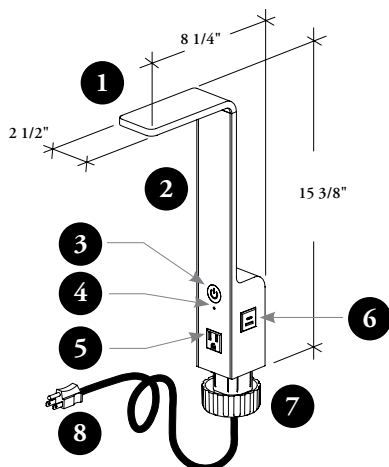
#### Base Feed Power Pole

Installed on End Gable to route cables from the floor to the table

# LED reading lamp basics

Expansion Learning lighting solutions answer all task illumination needs. LED panels provide high quality lighting over worksurface.

- ❗ The Square Cut-Out option must be specified on worksurfaces/tables to install a LED Reading Lamp
- Can be used with a minimum 24" single-sided worksurface or a minimum 48" deep double-sided worksurface
- Cannot** be installed on Flip-Top Tables and Folding Tables
- Check local codes for potential limits or restrictions on products and local authority approval may be required prior to use
- Some jurisdictions require Resettable Breakers. Check local codes
- All dimensions are actual



## 1 LED Flat Panel

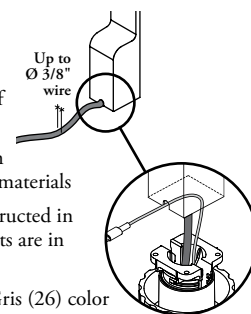
- Directional light with no multi-glare or shadows
- Produces ultra-wide footprint of glare-free (cool white) light
- 8 watts LED panel provides 900 LUX at worksurface level
- Life span of 60,000 hours
- Light spread optimized for reading task (up to 30" deep worksurface)

## 4 Power Indicator

Blue LED Power Indicator

## Lamp Casing and Power Supply

- Power Supply is integrated into the case
- An opening in the back of the lamp allows to route a cable at the time of the installation
- Lamp is made with 80% of recyclable materials
- The casing is constructed in aluminum and parts are in polymer
- Available in Soft Gris (26) color only



## 5 Simplex Receptacle

- 120 volts
- 11.8 AMP convenience outlet for charging ability (laptop, mobile phone, tablet, etc)

## 6 USB Charger

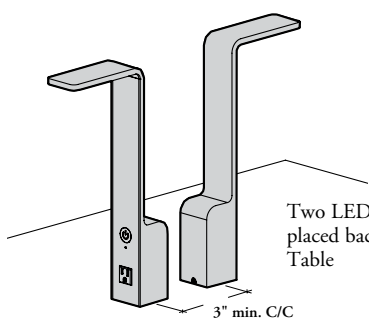
- Each USB Outlet has one USB-A port and one USB-C port for charging handheld devices only
- The USB-A port supplies 10 Watts maximum at 5 Volts DC when used alone
- The USB-C port supplies 18 Watts maximum at 5 to 12 Volts DC to when used alone (to support quick charge function on some devices)
- When both ports are used together, the maximum combined output is 15 Watts at 5 Volts DC only
- When both ports are used together, quick charge function is disabled
- Is always positioned on right side of the lamp

## 8 Power Cord

- Includes a 78" cord length with straight plug (Plug-in (A))
- Directly attached to the light
- Finished in Black

## 3 ON/OFF Soft-Touch Button

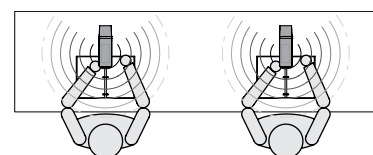
- Activate by light pressure and feature no moveable parts
- 3 hours Auto-Off delay



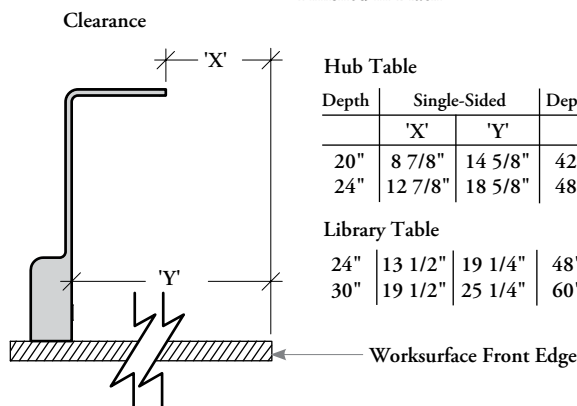
Two LED Reading Lamps can be placed back-to-back on a Team Table

## 7 Base Fixation

- Fits into square grommet ring (included) and a twistable attachment ring allows to tight the lamp casing between the top and bottom worksurface
- The fixation is opened in the center to allow wire management
- Coordinate color with Lamp Casing



When LED Reading Light is specified, table must feature one grommet per user to ensure proper light beam area



## Hub Table

Depth	Single-Sided		Depth	Double-Sided	
	'X'	'Y'		'X'	'Y'
20"	8 7/8"	14 5/8"	42"	11 1/2"	17 1/4"
24"	12 7/8"	18 5/8"	48"	14 1/2"	20 1/4"

## Library Table

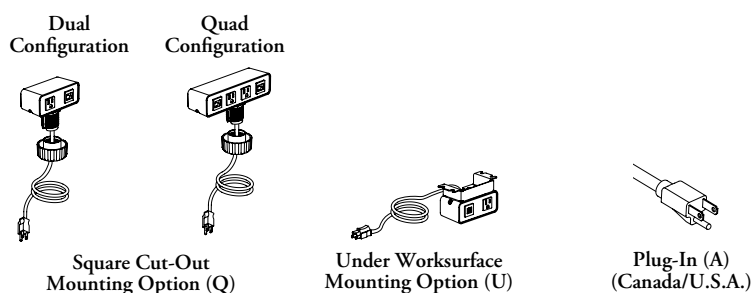
24"	13 1/2"	19 1/4"	48"	14 5/8"	20 3/8"
30"	19 1/2"	25 1/4"	60"	20 5/8"	26 3/8"

## power modules & data distribution

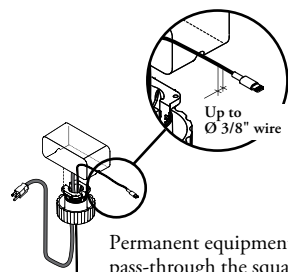
**Power Qube and Power/Data Center is a 3-wire alternative to provide power/communication/USB charging above worksurface.**

- ❗ The Square or Power/Data Center Cut-Out option must be specified on worksurfaces/tables for installation of the Duo Grommet – Square or Power/Data Center must be specified separately and installed on-site
- No daisy chain allowed with other modules
- Ensuring Compatibility and Maximizing Charging Capability: Look for wattage marking on the USB port facing to make sure it fits with your device requirements. To maximize charging capability, always use Original Equipment Manufacturer charging cables that are specifically designed for your device
- Plugs directly into standard receptacle
- All following products can be specified separately

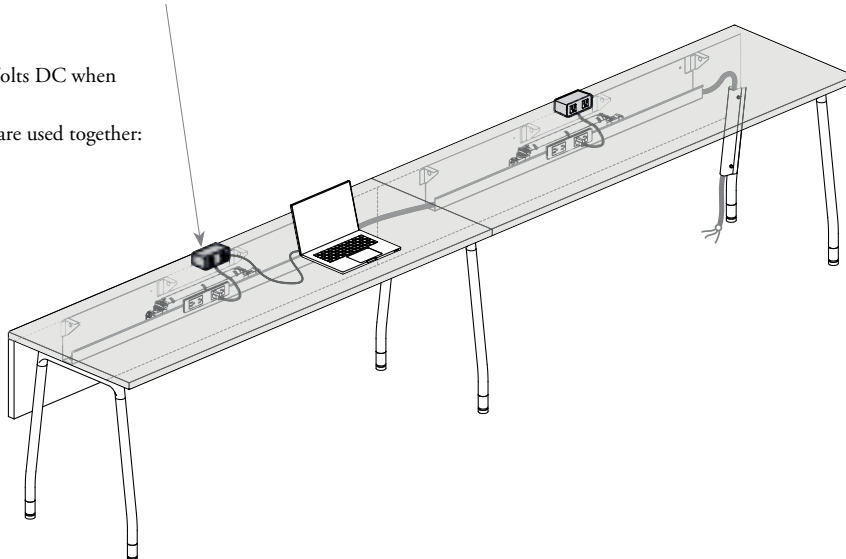
### power qube (XPPC)



- Provides power, data or USB access above or below worksurface
- Two mounting options are available:
  - Square Cut-Out (Q) (at worksurface level)
  - Under Worksurface (U)
- Square Cut-Out Mounting Option (Q):** fits into square grommet ring (included) on Solid Top with Square Cut-Out and a twistable attachment ring allows to tight the Qube casing between the top and bottom worksurface.
- Under Worksurface Mounting Option (U):** fixed underneath worksurface with underworksurface bracket and hardware
- Can be specified one per user or between two users
- Voice/Data faceplates and jacks are **not** included and must be field supplied and installed
- This product includes 120" or 180" power cord
- Each USB Outlet has one USB-A port and one USB-C port for charging only
- The USB-A port always supplies 10 Watts maximum at 5 Volts DC when used alone
- Standard USB-C Capacity (S):**
  - The USB-C port supplies 18 Watts maximum at 5 to 12 Volts DC when used alone
  - Maximum combined output is 15 Watts when both ports are used together: 5 Watts for USB-A port and 10 Watts for USB-C port
- High USB-C Capacity (H):**
  - The USB-C port supplies 65 Watts at 5 to 20 Volts DC when used alone
  - Due to limitations with transformer design, the maximum combined output is 30 Watts when both ports are used together: 10 Watts for USB-A port and 20 Watts for USB-C port
  - This reduced output in dual port mode **will not** support charging of laptops or quick charging of some phones/tablets that require more than 5 Volts DC
  - The USB-C port will charge laptops up to 65 Watts and support Quick Charge when used in single port mode
- Power cord is a grey cloth covered type
- Square Cut-Out Mounting Option (Q) and all Quad Configurations **cannot** be specified with 60" wide and less Rectangular Worksurfaces
- Case and Front are available in Foundation, Accent or Mica colors
- When Under Worksurface (U) option is specified, the underworksurface bracket will match the Case and Front finish



Permanent equipment cords can pass-through the square cut-out using the side opening



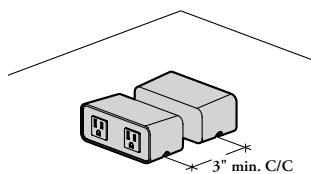
# power modules & data distribution (continued)

## power qube (continued)

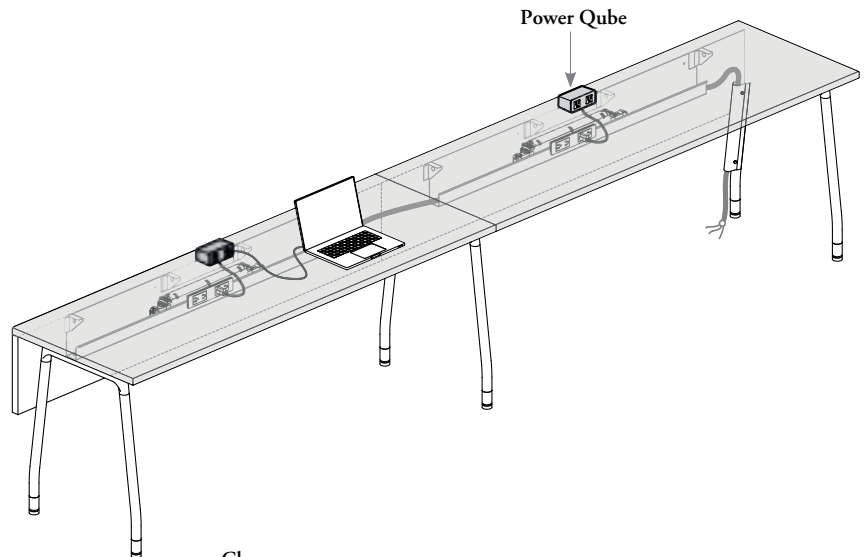
### Power Qube Configurations

	Dual Power Qube (D)			Quad Power Qube (Q)					
Configuration	D101N	D120S**	D200N	Q202N	Q221H*	Q221S**	Q240S**	Q320H*	Q320S**
Power Simplex Receptacle	1	1	2	2	2	2	2	3	3
USB	0	2	0	0	2	2	4	2	2
Communication Opening	1	0	0	2	1	1	0	0	0

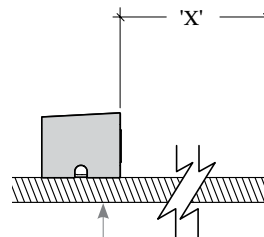
\* H = High USB-C Capacity  
 \*\* S = Standard USB-C Capacity



Two Power Qubes can also be specified back-to-back on a Team Table



Clearance



Worksurface Front

### Hub Table

Depth	Single-Sided	Depth	Double-Sided
	'X'		'X'
20"	14 5/8"	42"	17 1/4"
24"	18 5/8"	48"	20 1/4"

### Library Table

24"	19 1/4"	48"	20 3/8"
30"	25 1/4"	60"	26 3/8"

power modules & data distribution (continued)

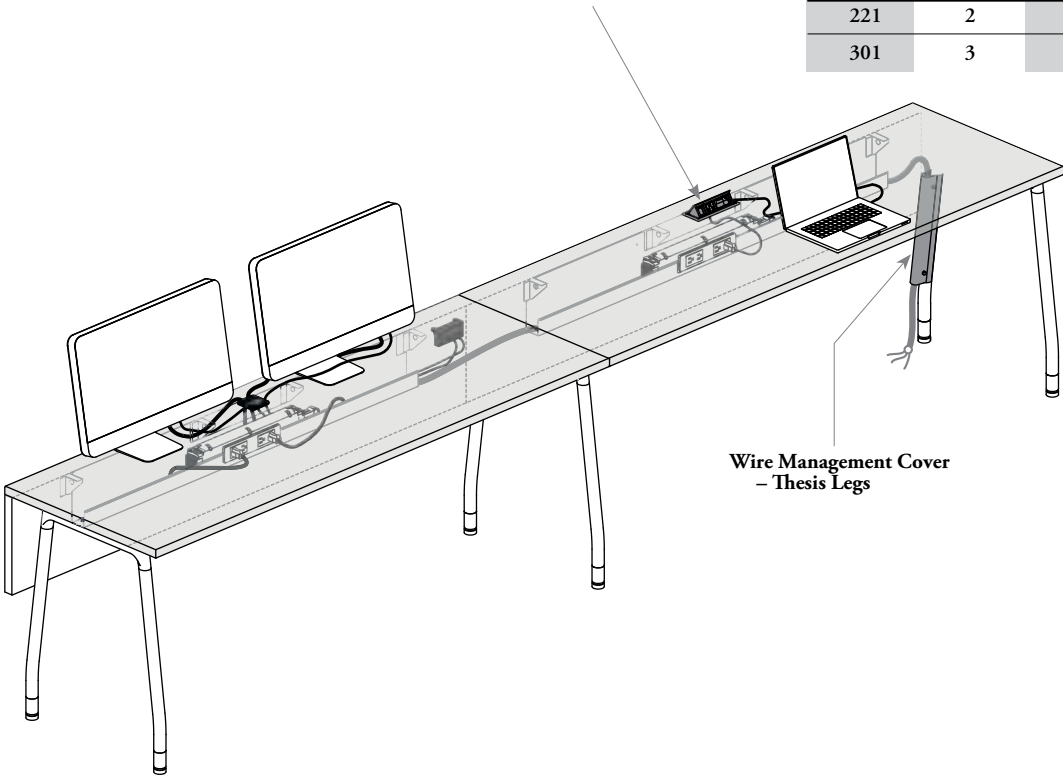
power/data center (XPPDC)



- Opens up through the worksurface to provide power, data and USB access. It retracts to allow use of the entire worksurface
- The Power Data/Center Cut-Out option must be specified on worksurfaces/tables for installation on-site
- This product includes a 72" or 120" cord length
- Features a flat 45° plug that enables placing furniture closer to the wall
- Voice/Data faceplates and jacks are **not** included and must be field supplied and installed
- Finished in Soft Gris (B) or Ebony (E)

Power/Data Center Configurations

Configuration	Power Simplex Receptacle	USB	Communication Opening
221	2	2	1
301	3	0	1



wire management covers

- Can be specified with all worksurfaces/tables and may be used for Base Feed or other cable types
- Mounted vertically on legs
- Available in Foundation, Accent or Mica colors
- Three legs style covers are available:

Thesis Legs (XPWPA)

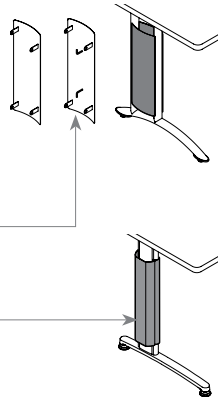
- The 29", 36" or 42" table height must be specified on which cover will be installed
- Two Wire System are available:
  - **Hardwire (H):**  
Must be specified when a Power Box (XPEPB) is mounted inside the Built-In Cable Tray of Modesty Panel (XCMS or XCMMC) or when Power Box for Electrical Tray (XPEPET) is attached directly into the electrical clips of the Electrical Tray (XPWET)
  - **Standard (S)**
- Must be specified when Base Feed (XPEPBF) is used

Arched Legs (XPWLA)

- Comes with two 18" high covers
- Two styles are available:
  - **Without Wire Management (N):**  
Covers come without cable management hooks
  - **With Wire Management (W):**  
Only one cover gets cable management hooks

Slender Legs (XPWLS)

- 15" high cover

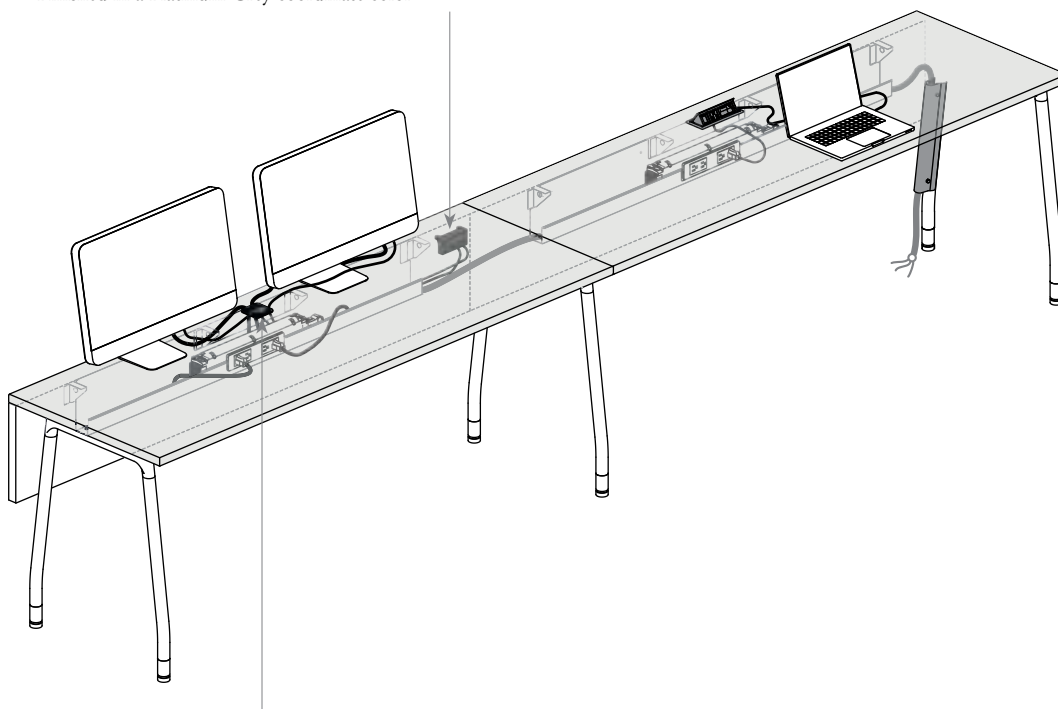


# power modules & data distribution (continued)

## communication box (XPCB)



- The communication opening measures 2.71" x 1.38" to accommodate Voice/data jacks and faceplates (**not** included)
- Can be screwed anywhere under worksurface at the desired location
- Finished in a Platinum Grey coordinate color

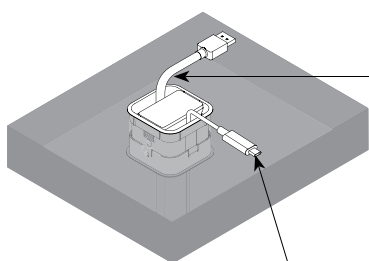


## duo grommet – square (XPGQX)



- All surfaces with Square Cut-Out are ready to receive a Square Grommet if needed
- Cover can be locked in place with wood screws (not included)
- Cover and rings are available in Foundation, Mica or Accent colors

### Duo Square Grommet Application



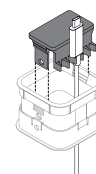
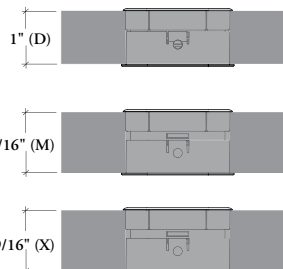
#### Thicker Cables

- Section for:
  - HDMI Cord
  - Power Cord
  - Data Cable
- Capacity of four cables (Ø 6 mm to 10 mm min.)

#### Smaller Cables

- Section for:
  - USB-A or USB-C
  - Apple Lighting Cable
- Capacity of five cables (Ø 3 mm to 6 mm max.)

Design to accommodate three thicknesses:



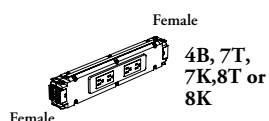
Holes allow cable passing but avoid falling under worksurface by retaining cable connector



## power modules & data distribution (continued)

- ❗ Can only be used with learning worksurfaces. **Cannot** be used with Flip-Top Tables, Folding Tables, Hub Tables or Library Tables
- All tables must be linked together with appropriate hardware when sharing electrics
- Not** more than one power source should be connected into one powerbar, it may cause serious injuries
- All products below can be specified separately

### power boxes

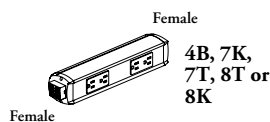
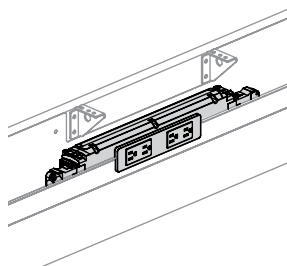
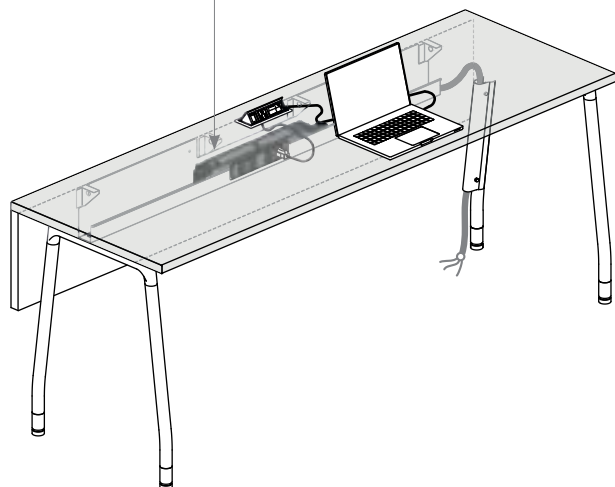


#### Power Box (XPEPB)

- Provides power access, under worksurface, to the learning tables
- Equipped with four female connectors in order to facilitate 1 "in" and up to 3 "outs" in a non-directional configuration
- Available with two grey duplexes providing a total of four outlets. Connects up to four pieces of electrical equipment

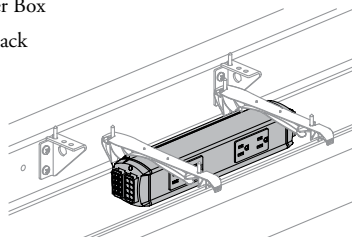
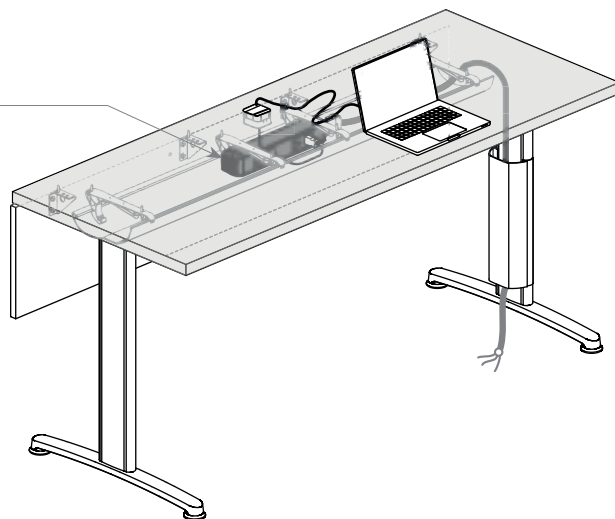
- Must be specified with the same system as the Base Feed or harnesses
- Available in single-sided version for individual positioning
- Only Lay-In (L) Mounting Option is available. Only the Flush Modesty Panels with Built-In Cable Tray (XCMSF or XCMMF) can be specified for the installation of this Power Box

- Casual Modesty Panel with Built-In Cable Tray (XCMSF or XCMMF) can also be allowed when a Trapeze Worksurface is specified or when Rectangular Worksurfaces is used in Back-to-Back Configuration
- This product finish is Black



#### Power Box for Electrical Tray (XPEPET)

- Provides power access, under worksurface, to the learning tables
- Equipped with three female connectors in order to facilitate 1 "in" and up to 2 "outs" in a non-directional configuration
- Available with two grey duplexes providing a total of four outlets. Connects up to four pieces of electrical equipment
- Must be specified with the same system as the Base Feed or harnesses
- Available in single-sided version for individual positioning
- Only the Electrical Tray (XPWET) can be specified for the installation of this Power Box
- This product finish is Black

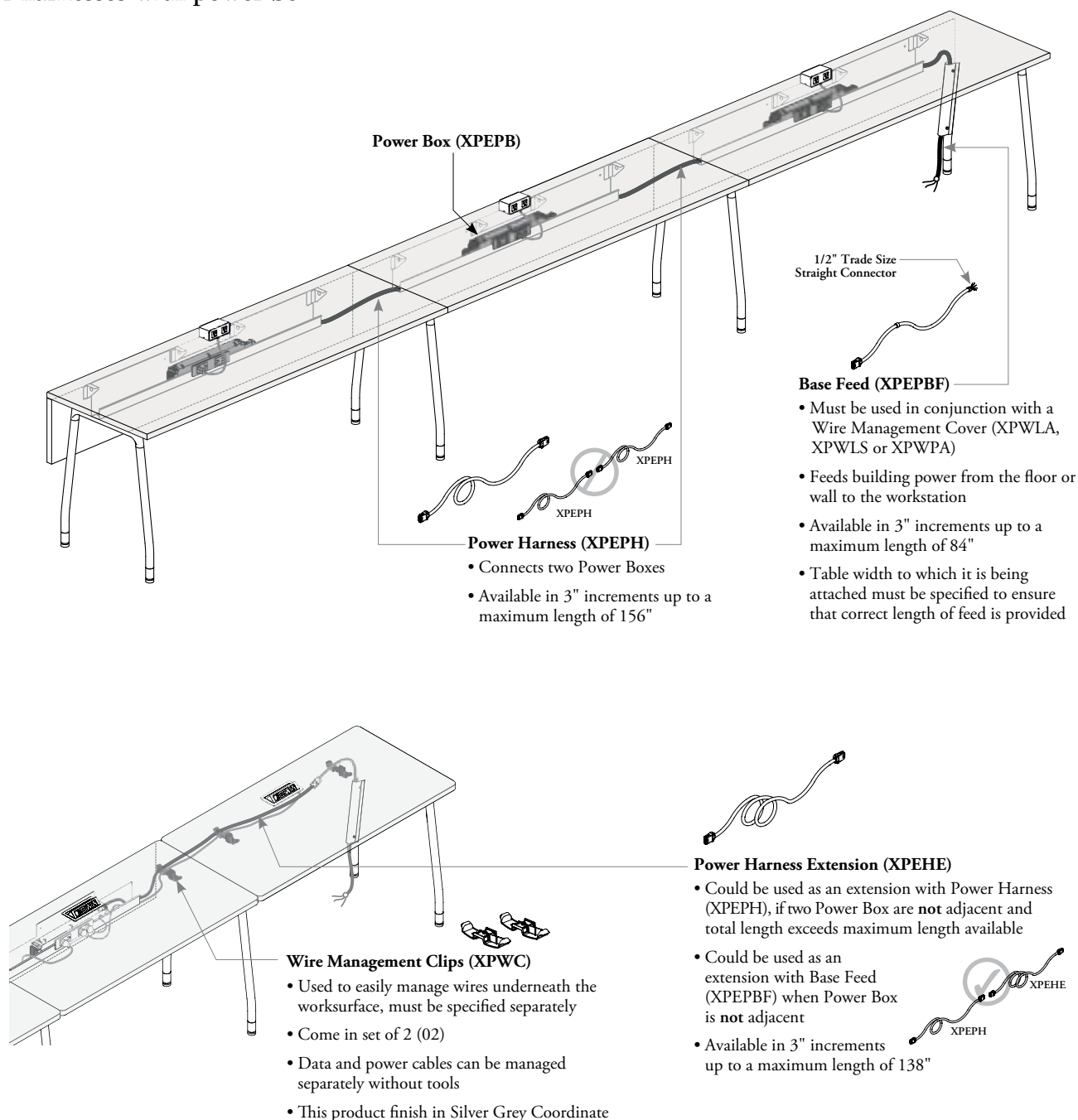




## power modules & data distribution (continued)

- ❗ The connection to the building power supply or other must be executed by a qualified electrician
- 4B, 7T, 7K, 8T or 8K wire systems are available. The same wire system must be specified for all electrical components in a configuration
- Check local codes for limits or restrictions on harness length
- All products below can be specified separately

### power harnesses with power box



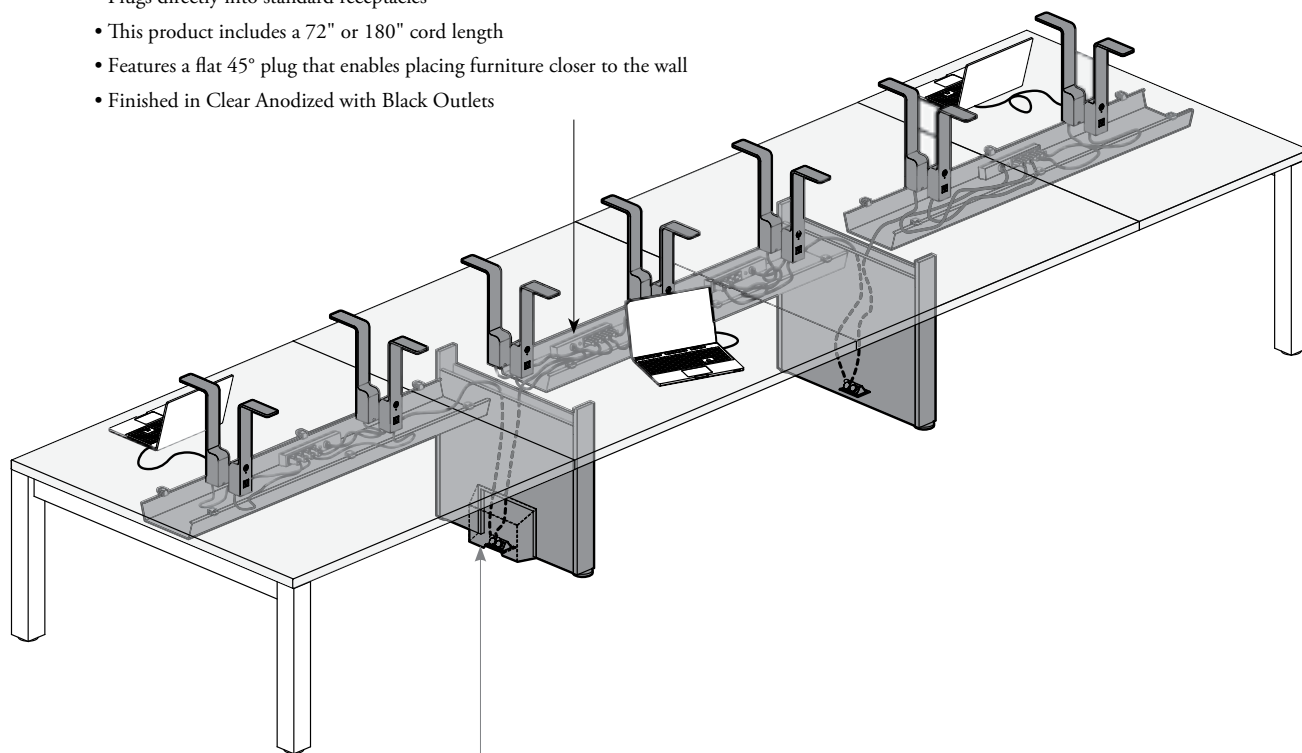
## power modules & data distribution (continued)

⚠ All products below can be specified separately

### undersurface plug-in power bar (XPEPP)



- This product can lay in the Metal Cable Tray included with Library Tables
- Can also be placed inside a Built-In Cable Tray on the Modesty Panel (XCMSC or XCMMC), attached directly into the electrical clips that support the Electrical Tray cover (XPWET) or clipped under a Cable Tray (XPWCT)
- No daisy chain allowed with other power bar
- Provides a 3-wire system that can be used to connect up to four pieces of electrical equipment and includes a resettable circuit breaker
- Plugs directly into standard receptacles
- This product includes a 72" or 180" cord length
- Features a flat 45° plug that enables placing furniture closer to the wall
- Finished in Clear Anodized with Black Outlets

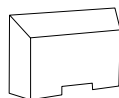


### cable managements



#### Cable Pass-Through Cover (XPGPC)

- Covers the Cable Pass-Through of Library or Hub Tables
- Are available in Foundation, Mica, Accent or Coordinate Colors
- Coordinate Colors for cover are solid colors that can be used to match wood prints such as those of Solid End Gable, Base Infill of the Rectangular Base or Supporting End Screen. See Coordinate Colors listing on page 185



#### Floor Box Cover (XPWFB)

- May be used to Floor Box Cover exceeding a Rectangular Base of a Library Table
- Available in Foundation, Accent, Mica or Coordinate Colors
- Coordinate Colors for cover are solid colors that can be used to match wood prints such as those of Base Infill of the Rectangular Base. See Coordinate Colors listing on page 185

# power modules & data distribution (continued)



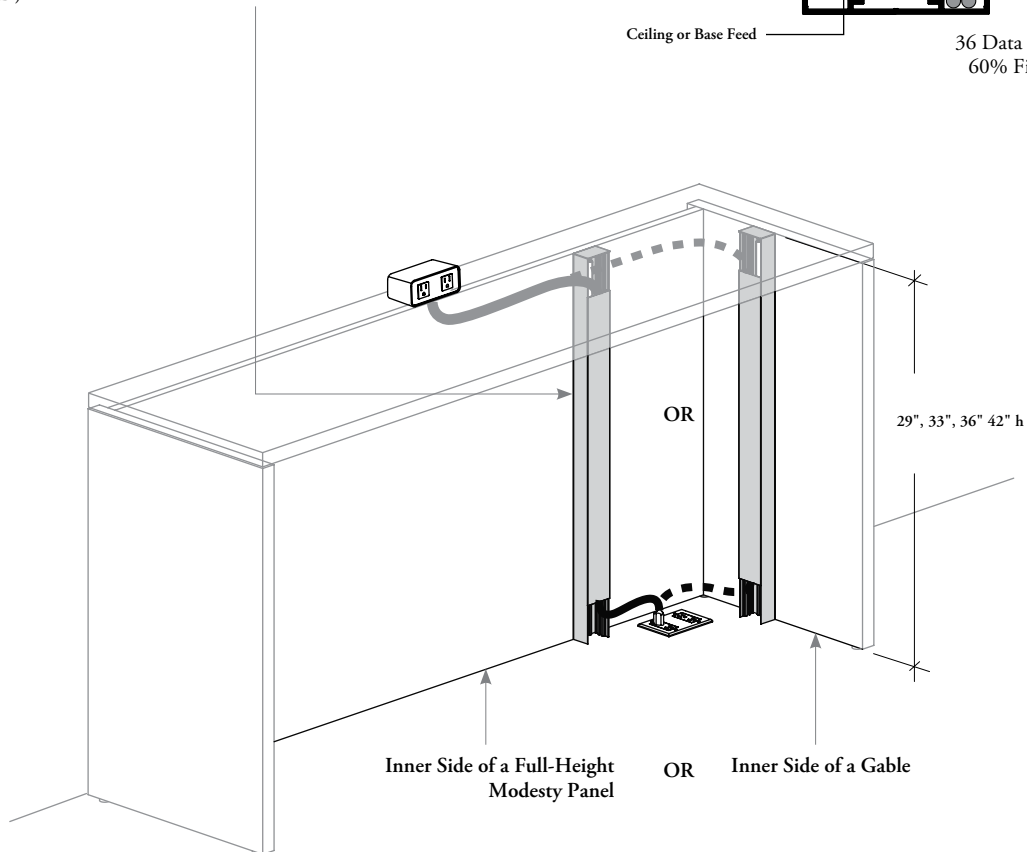
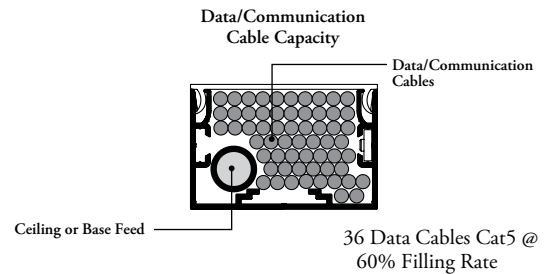
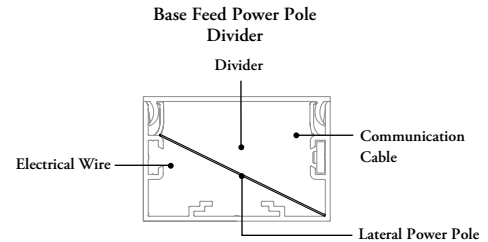
- Can be specified separately
- All dimensions are actual

## cable managements (continued)



### Power Pole – Base Feed (XPWPP)

- May be used to feed building power from the floor or wall to the workstation
- In-feeds are **not** included
- Included divider can be used to separate electrical wires and communication cables
- The 29" long pole is used for 29" standard height products
- The 33" long pole is used for 29" ADA height products
- The 26" or 42" long pole is used for Hub Tables (XTHS or XTHD)
- Can be mounted to the inner side of a gable or full-height modesty panel on Instructor Desks or Hub Tables
- Can also be mounted on Library Tables specified with End Gables, Rectangular Bases or Carrel Supporting End Screens
- Available in Foundation, Accent, Mica or Coordinate Colors. See Coordinate Colors listing on page 185
- Coordinate Colors for cover are solid colors that can be used to match wood prints such as those of Solid End Gable, Base Infill of the Rectangular Base or Supporting End Screen

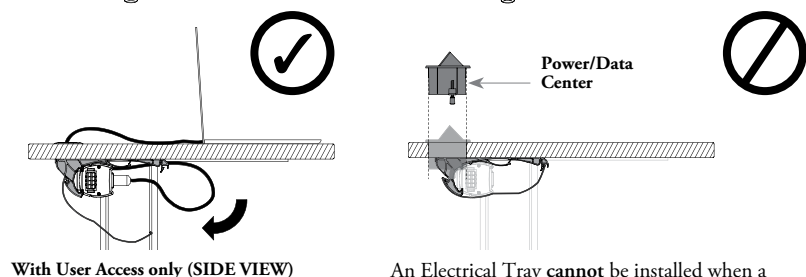
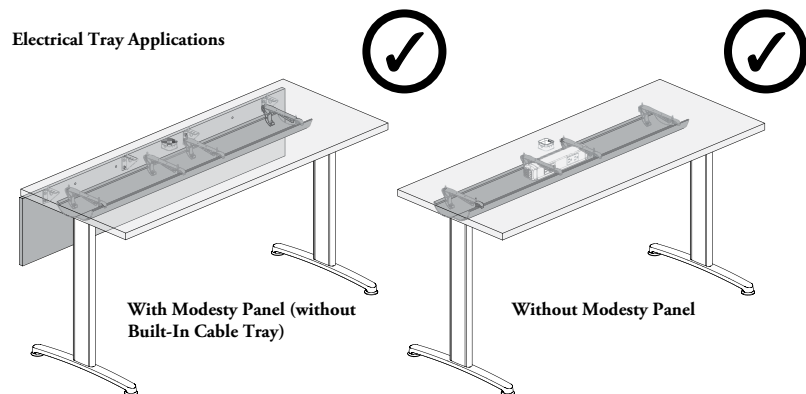


## power modules & data distribution (continued)

⚠ All products below can be specified separately

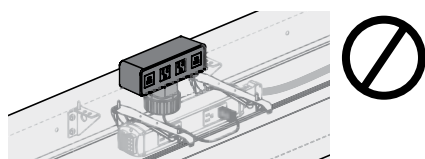
### cable managements (continued)

#### Electrical Tray Applications

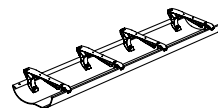


With User Access only (SIDE VIEW)

An Electrical Tray **cannot** be installed when a Power/Data Center (XPPDC) is specified, due to interferences

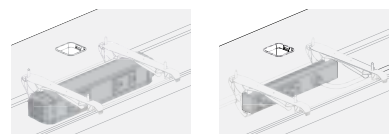


Power Qube (XPPC) **cannot** be installed in combination with an Electrical Tray, with Power Box for Electrical Tray (XPEPET)



#### Electrical Tray (XPWET)

- Can be installed below a worksurface with user access
- Available in widths of 24" to 84" (6" increments). Actual dimension will differ depending on leg type
- Table and Support Style must be specified to ensure that the correct actual width is provided:
  - (F) for application with Flip-Top Table with C- or T-Legs (XTFTD, XTFTA or XTFTS)
  - (P) for application with Worksurface with Post Legs
  - (S) for application with Worksurface with C-, T- or Thesis Legs
- **Cannot** be used with a Modesty Panel with Built-In Cable Tray (XCMS or XCMMC)
- To specify the width, refer to the Modesty Panel & Electrical Tray Compatibility Chart on pages 85 and 86
- Electrical components such as the Underworksurface Plug-In Power Bar (XPEPP) or Power Box for Electrical Tray (XPEPET) can be attached directly into the electrical clips that support the tray cover

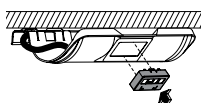


- This accessory is **not** recommended with all worksurface/table styles; refer to the Table Accessories Compatibility Chart on page 95
- Available in Foundation, Accent or Mica

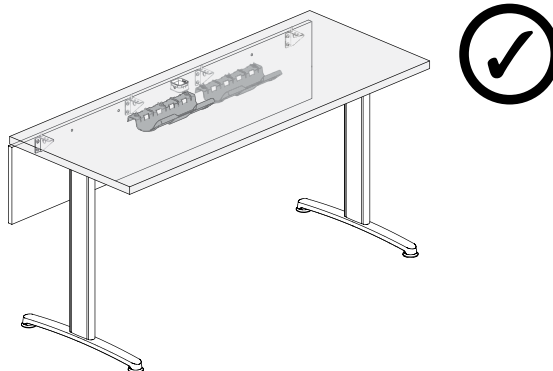


#### Cable Tray (XPWCT)

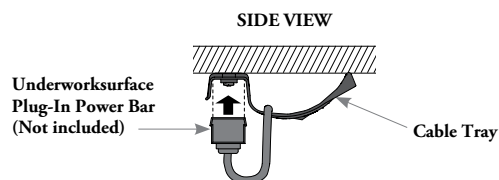
- Value alternative to a Electrical Tray (XPWET)
- Can be mounted below any worksurfaces/tables, except all Folding Tables to manage, cables coming from the worksurface level
- Can be used with all Modesty Panel styles with or without Built-In Cable Tray
- Underworksurface Plug-In Power Bar (XPEPP) can be clipped in the tray
- Comes with communication opening that measures 2.71" x 1.38" to accommodate Voice/data faceplates (**not** included)
- Finished in Black only



#### Cable Tray Application



- More than one tray can be specified under the same table



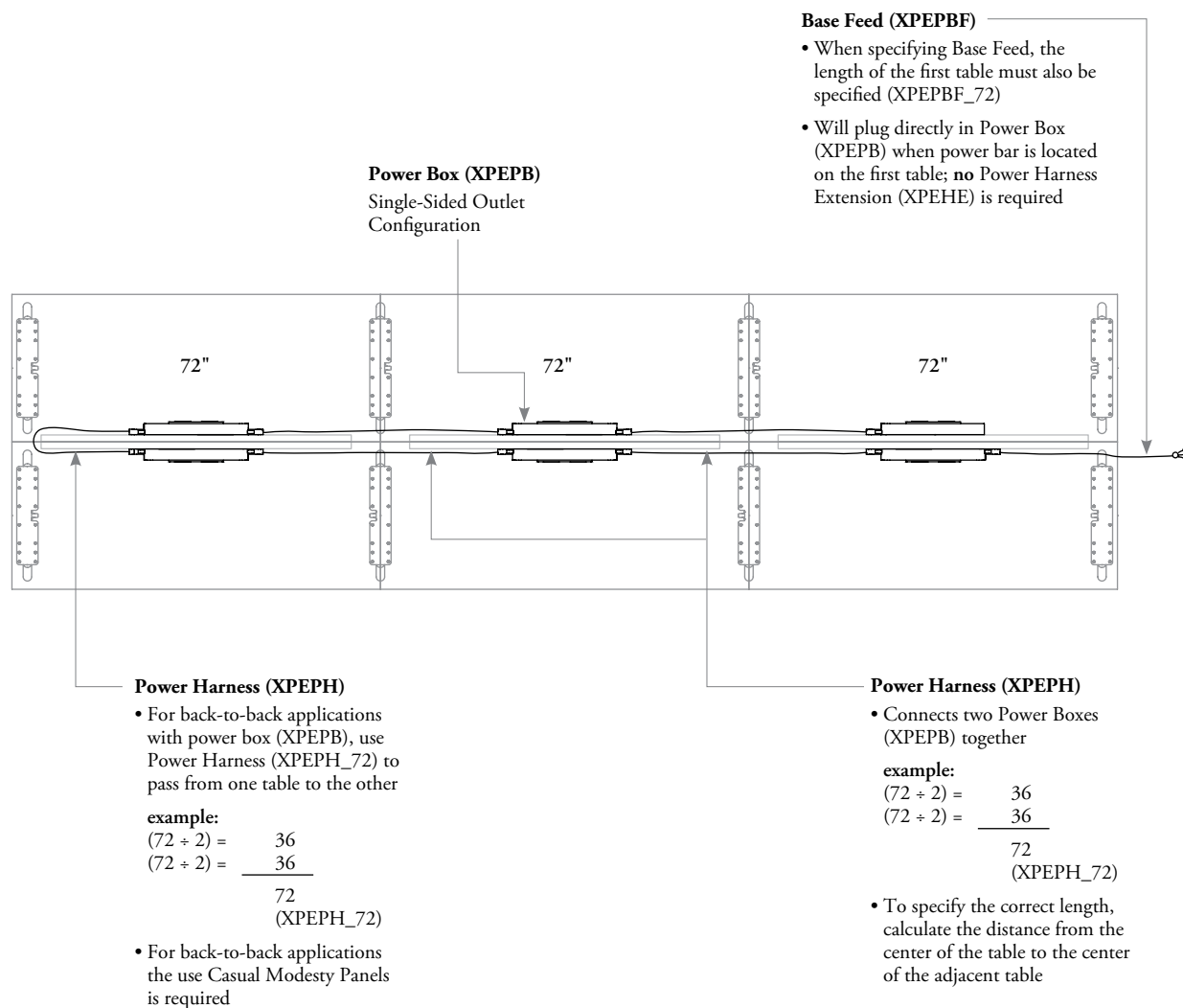
# specifying correct power harness length



- All harnesses can be specified in 4B, 7T, 7K, 8T, and 8K shielded wiring systems
- The same wire system must be specified for all electrical components
- All Power Harnesses have a nominal length for ease of specification
- When determining the proper length of Power Harness, always calculate from center to center of tables. A nominal sized harness will take into consideration the width of the Power Box (XPEPB)
- To determine the proper length of infeed, always specify table length
- Check local codes for potential limits or restrictions on products and local authority approval may be required prior to use

## power box with rectangular worksurfaces (single-sided configuration)

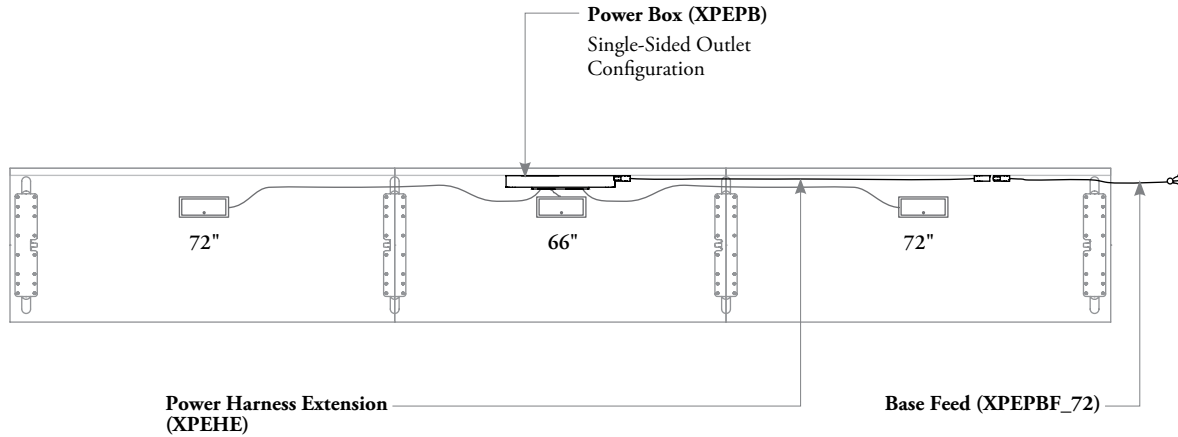
- 4B, 7T, 7K, 8T and 8K Power Box (XPEPB)



## specifying correct power harness length (continued)

### power box with rectangular worksurfaces (single-sided configuration) (continued)

- 4B, 7T, 7K, 8T and 8K Power Box (XPEPB)



- Must be specified to connect the Base Feed to the first Power Box (XPEPB) when Power Box is **not** adjacent

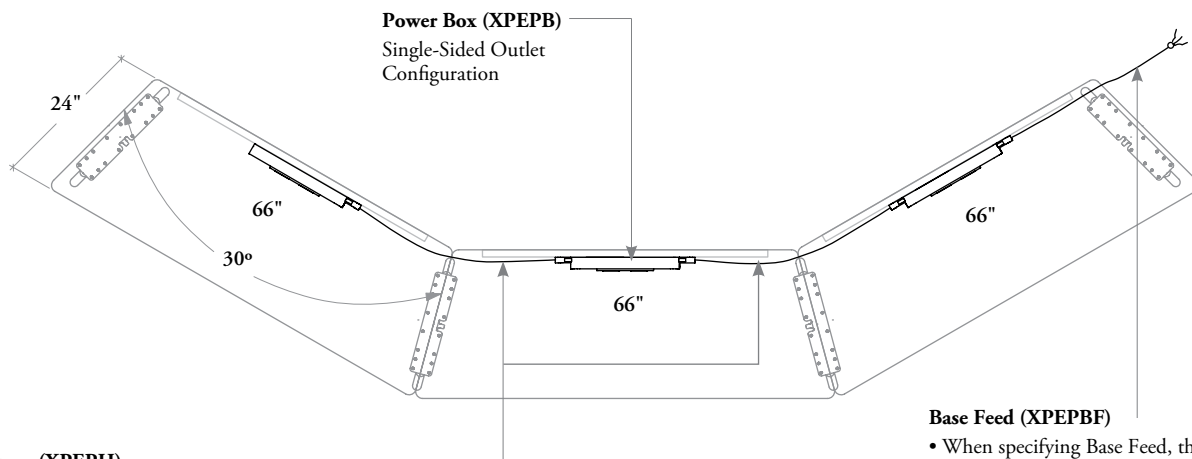
- To specify the correct length, calculate the distance from the center of the table to the center of the adjacent table

**example:**

$$\begin{array}{r} (66 \div 2) = 33 \\ (72 \div 2) = 36 \\ \hline 69 \\ \text{(XPEPH\_69)} \end{array}$$

### power box with trapeze worksurfaces (single-sided configuration)

- 4B, 7T, 7K, 8T and 8K Power Box (XPEPB)



- To specify the correct length, calculate the distance from the modesty panel center of the table to the modesty panel center of the adjacent table. For modesty panel width, refer to Modesty Panel & Electrical Tray Compatibility Chart on page 85

- Wiring through Trapeze Worksurfaces will require adding 3"

**example:**

$$\begin{array}{r} (66 \div 2) = 33 \\ (66 \div 2) = 33 \\ \hline 66 + 3 \\ \text{(XPEPH\_69)} \end{array}$$

#### Base Feed (XPEPBF)

- When specifying Base Feed, the length of the first modesty panel must be specified. For modesty panel width, refer to Modesty Panel & Electrical Tray Compatibility Chart on page 85
- Wiring through Trapeze Worksurfaces will require adding 3"

**example:**

$$\begin{array}{r} (66 + 3) = 69 \\ \text{(XPEPBF\_69)} \end{array}$$

# specifying correct power harness length (continued)

## power box with rectangular & connecting trapeze worksurfaces (single-sided configuration)

- 4B, 7T, 7K, 8T and 8K Power Box (XPEPB)

**36" to 54"**  
**Connecting Trapeze Worksurface Width**

- Cannot be specified with Power Box (XPEPB)
- To specify Power Harness length, calculate the distance from the center of the table to the center of the adjacent table

**example:**

$$\begin{array}{rcl} (66 \div 2) & = & 33 \\ + 33 & = & 33 \end{array} \quad \begin{array}{l} \text{(Dim. harness on 48" Conn.} \\ \text{Trapeze Work. (see chart} \\ \text{below))} \end{array}$$

$$(66 \div 2) = \underline{33}$$

$$99$$

(XPEPH\_99)

**Base Feed (XPEPBF)**  
When specifying Base Feed, the length of the first table must also be specified (XPEPBF\_66)

**60" or 66"**  
**Connecting Trapeze Worksurface Width**

Calculating the Power Harness length

**example:**

$$(51 \div 2) = 25.5 \quad \begin{array}{l} \text{(Dim. harness on 66" Conn.} \\ \text{Trapeze Work. (see chart} \\ \text{below))} \end{array}$$

$$(66 \div 2) = \underline{33}$$

$$58.5$$

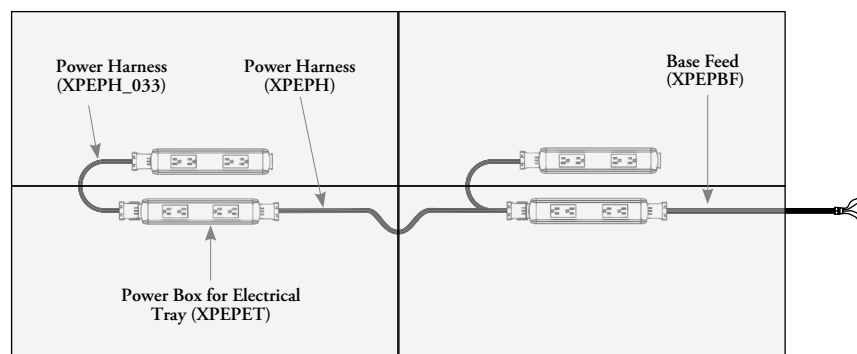
(XPEPH\_60)

**Power Box (XPEPB)**  
Single-Sided Outlet Configuration

Table Depth	Table Width	Harness Length
20"	36"	30"
	48"	36"
	54"	42"
24"	36"	27"
	48"	33"
	54"	39"
30"	36"	24"
	48"	30"
	54"	36"

Table Depth	Table Width	Harness Length
20"	60"	48"
	66"	54"
24"	60"	45"
	66"	51"
30"	60"	39"
	66"	45"

## power harnesses with power box for electrical tray



- When needed, two Power Box for Electrical Tray (XPEPET) can be connected together
- To specify the correct length of the Power Harness, calculate the dimension from the center of worksurface to the center of adjacent worksurface plus 3"
- All worksurfaces and tables must be linked together when electrical & communication products are installed





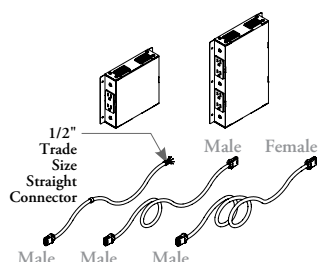
# power kit components

Expansion Learning Tables offers also a wide variety of components for efficient and discreet management of electrical wiring under Library Tables.



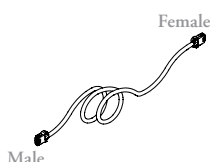
- The wiring system is available in 7K only
- ADA Extension for Library Table only
- **Do not** energize from more than one source, it may cause serious injury
- Check local codes for potential limits or restrictions on products and local authority approval may be required prior to use

## power components included with kits



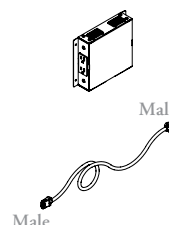
### Power Kit – Library Table (XPLKP)

- Two power box capacity configurations are available:
  - Standard-Capacity:**
    - Four outlets
    - Circuits 1 & 2 outlet configurations or
  - High-Capacity:**
    - Eight outlets
    - Circuits 1, 2, A & B outlet configurations
- Base Feed, Power Harness and Power Harness Extension (when required) are included
- Base Feed routes power from the building wall or floor to a Rectangular Base, End Gable or Intermediate Base to above the Library Table



### Base Feed Extension Harness – Library Table (XPLBF)

- Allows power extension between one power box and one base feed only
- Two lengths are available:
  - Short (S):**
    - Use with Double-Sided Library Tables for 4-users or
    - Used with odd Single-Sided Library Tables from right
  - Long (L):**
    - Used with other all configurations, Single- or Double-Sided Library Tables



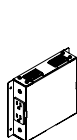
### Power Kit – ADA Extension for Library Table (XPLKA)

- Only **Standard-Capacity** power box is available
  - Four outlets
  - Circuits A & B outlet configurations
- Power Harness is included

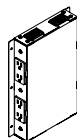
## power component basics

### Power Boxes

- Are available in Standard- and/or High-Capacity applications:



Standard-Capacity



High-Capacity

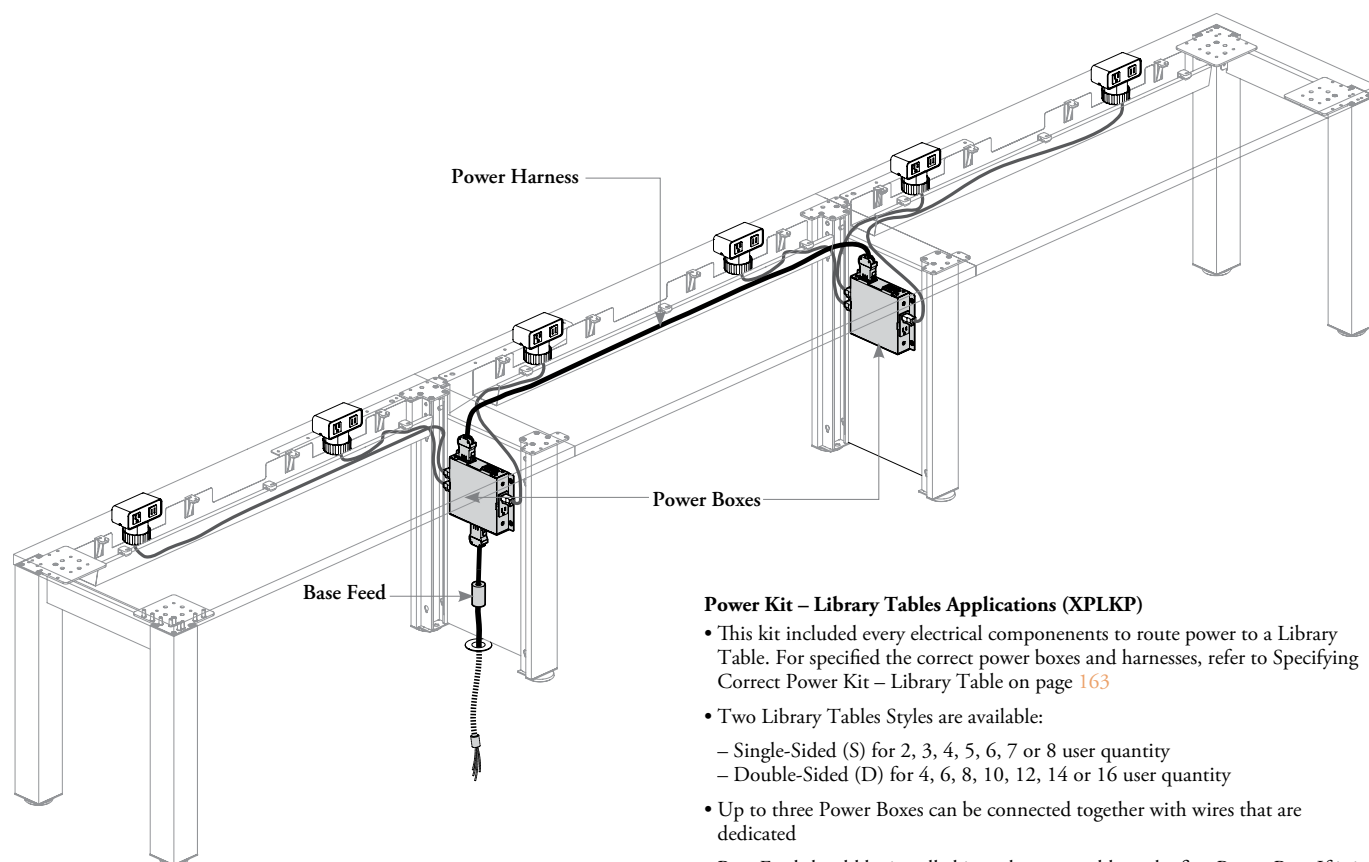
- Equipped with three female connectors in order to facilitate one "in" and up to two "out" in a non-directional configuration
- Must be installed inside a Intermediate Base only
- Specify carefully to ensure proper power capacity if combined with Underworksurface Plug-In Power Bar (XPEPP) system capacity must be validated
- Box is finished in black with grey simplex outlets

## power kit distribution

The following examples demonstrate how electrical is routed through a Library Table and ADA Extension for Library Table.

- ❗ Power is supplied to the workstations by a feed kit that is routed through the Intermediate Base, Rectangular Base, Solid End Gable and Metal Cable Tray
- The quick connects on power boxes are all the same, so a Library Table can consist of a combination of power box types
- All products below can be specified separately
- The connection to the building power supply must be executed by a qualified electrician
- Components and harness length included with kit may vary depending of the configuration specified. For details, see on following pages
- The same wire system must be specified for all electrical components in a configuration
- Check local codes for potential limits or restrictions on harness length

The applications illustrated on next pages are possible, as much for Single- or Double-Sided Library Tables



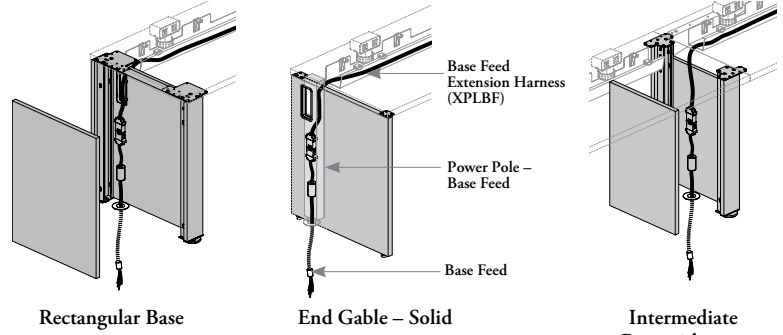
### Power Kit – Library Tables Applications (XPLKP)

- This kit included every electrical components to route power to a Library Table. For specified the correct power boxes and harnesses, refer to Specifying Correct Power Kit – Library Table on page 163
- Two Library Tables Styles are available:
  - Single-Sided (S) for 2, 3, 4, 5, 6, 7 or 8 user quantity
  - Double-Sided (D) for 4, 6, 8, 10, 12, 14 or 16 user quantity
- Up to three Power Boxes can be connected together with wires that are dedicated
- Base Feed should be installed into the same gable as the first Power Box. If it is not, additional Power Harness(es) may need to be ordered separately
- Power Harness, Base Feed or Power Harness Extension included with kit **cannot** be replaced by Power Harness (XPEPH), Base Feed (XPEPBF) or Power Extension Harness (XPEHE)
- When Power/Data Center Cut-Out are specified with table, the 120" length cord must be specified
- Power Box **cannot** be repositionned

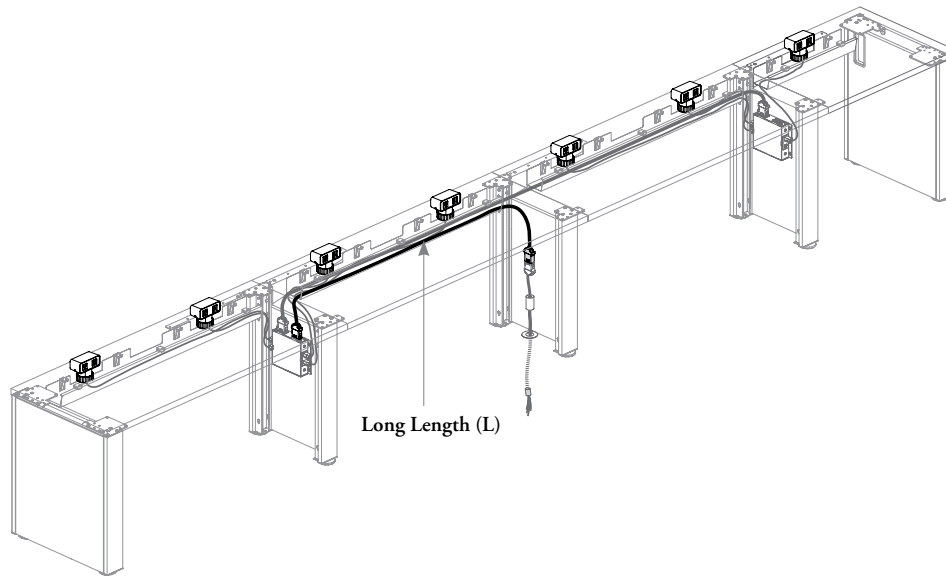
## power kit distribution (continued)

### Base Feed Extension Harness Application (XPLBF)

- Is needed when the Base Feed is installed elsewhere that in an Intermediate Base with power (from a building wall or floor to a Rectangular Base, a End Gable or a Intermediate Base without a power box)
- Allows power extension between one power box and one base feed only
- A Power Extension Harness (XPEHE) **cannot** replaced a Base Feed Extension Harness and vice versa
- A Base Feed (XPEPBF) and Base Feed Extension Harness (XPLBF) **cannot** be installed inside the Intermediate Base included with ADA Extension when the proper power kit is **not** specified



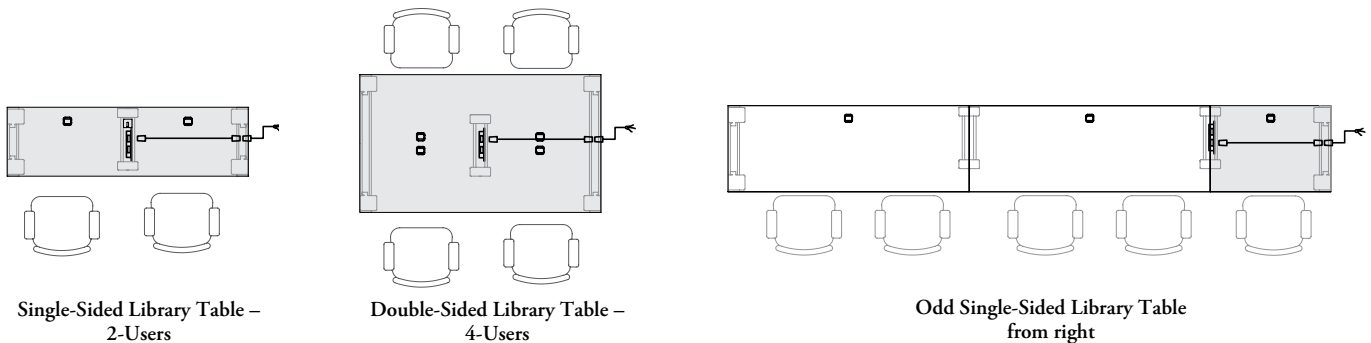
When used with a End Gable, a Base Feed Power Pole (XPWPP) must be specified to hide and feed harnesses



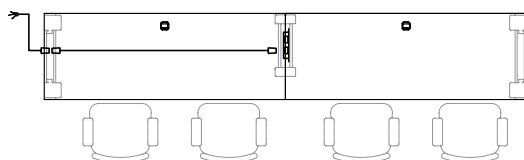
### Two lengths for Base Feed Extension Harness are available:

- The length is determined by one of the configurations below

#### Short Length (S) (Single-sided Odd Users or Double-Sided 4-Users)

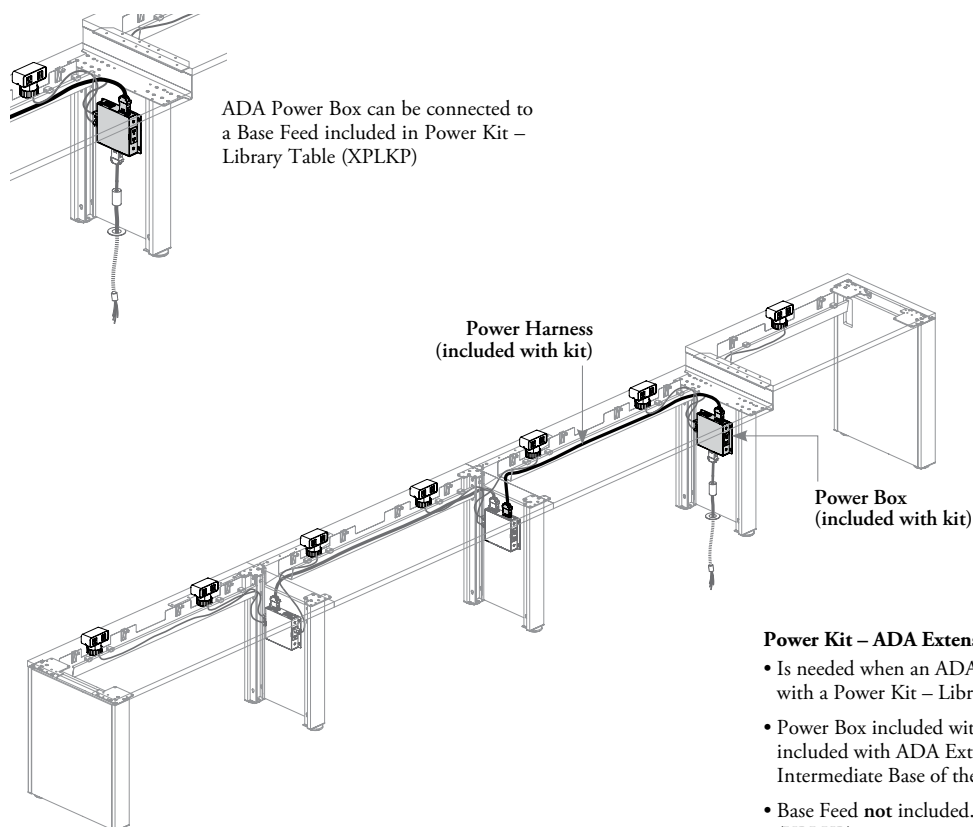


#### Long Length (L)



All other configurations - Single- or Double-Sided Library Tables

## power kit distribution (continued)



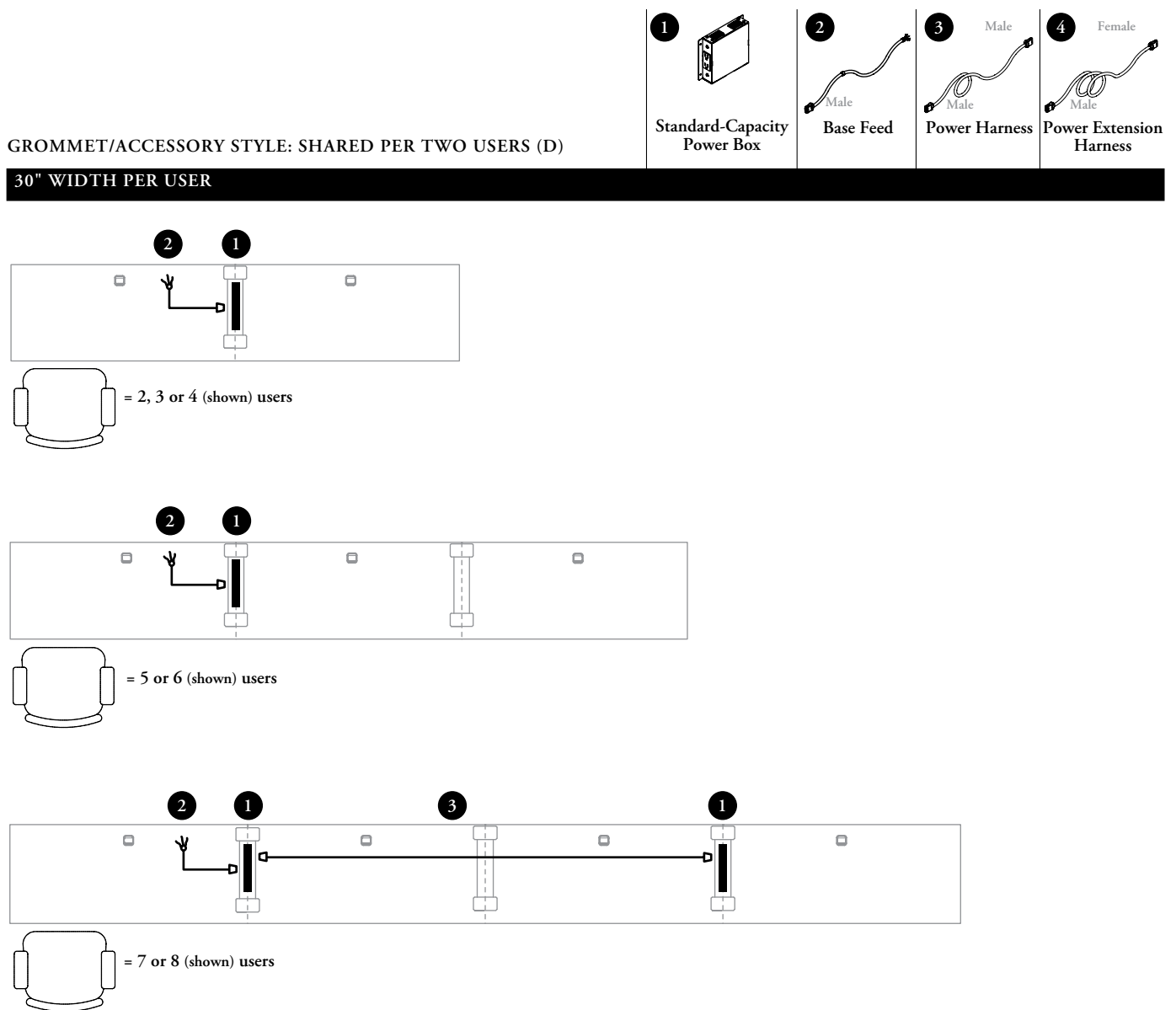
### **Power Kit – ADA Extension for Library Tables Applications (XPLKA)**

- Is needed when an ADA Extension is added to a Library Table equipped with a Power Kit – Library Table (XPLKP)
- Power Box included with kit can only be used inside Intermediate Base included with ADA Extension and **cannot** be repositionned in another Intermediate Base of the Library Table
- Base Feed **not** included. Must be connected to Power Kit – Library Table (XPLKP)
- Power Harness included with kit is **not** compatible with Power Harness (XPEPH) and Base Feed included with kit (XPLKP)

## specifying correct power kit – library table

- ❗ The Base Feed illustrated in the following pages are always included with kit and it can also be routed from the building wall or floor to a Rectangular Base, End Gable or Intermediate Base. Only shown for a better comprehension
- Other harness (XPLBF) and kit (XPLKA) can be connected with this kit, refer on previous pages for each kit application
- Base Feed can be connected to any Power Box in the kit

### single-sided library table applications



specifying correct power kit – library table (continued)

single-sided library table applications (continued)

GROMMET/ACCESSORY STYLE: ONE GROMMET PER USERS (S)

30" WIDTH PER USER

1



Standard-Capacity Power Box

2

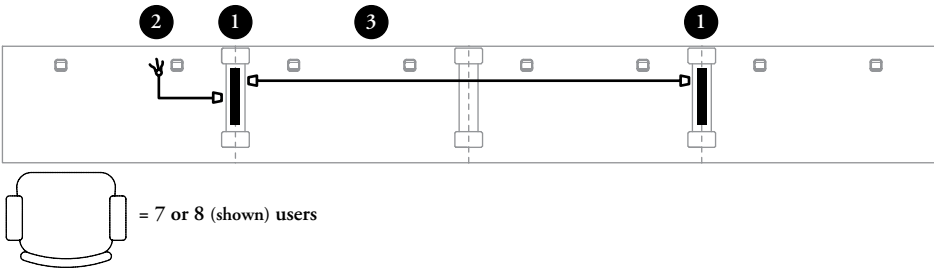
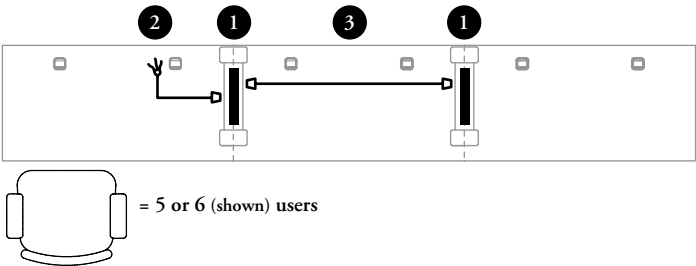
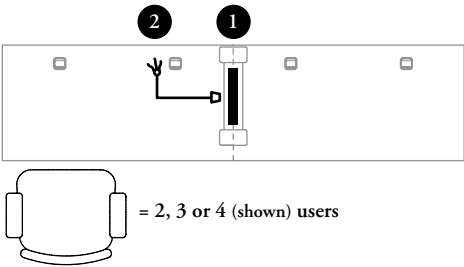


Base Feed

3



Power Harness

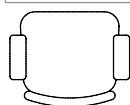
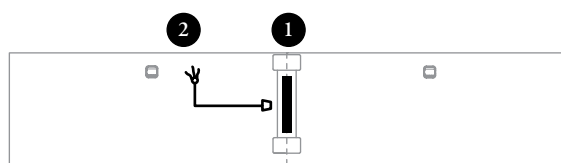
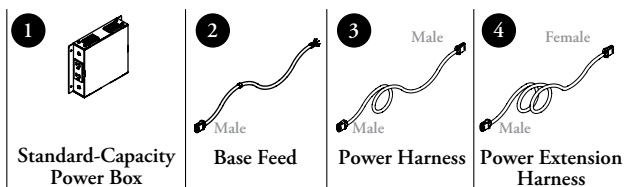


# specifying correct power kit – library table (continued)

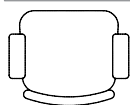
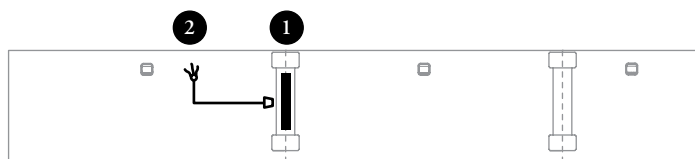
single-sided library table applications (continued)

GROMMET/ACCESSORY STYLE: SHARED PER TWO USERS (D)

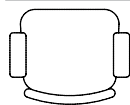
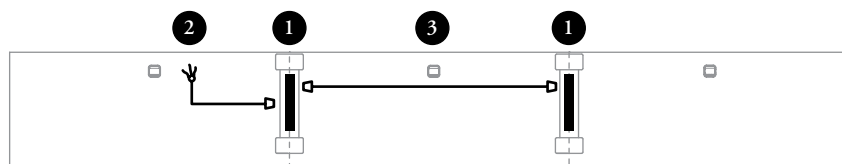
36" WIDTH PER USER



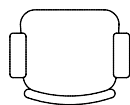
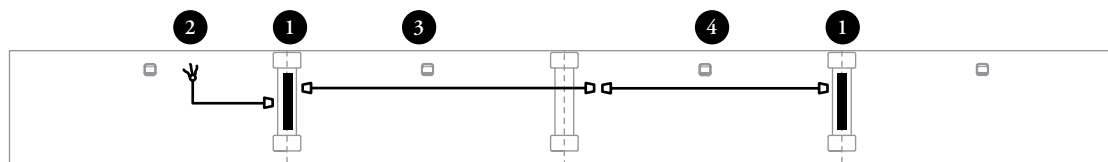
= 2, 3 or 4 (shown) users



= 5 users



= 6 users




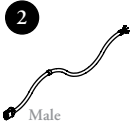
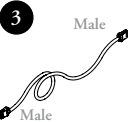
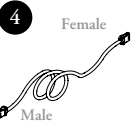
= 7 or 8 (shown) users

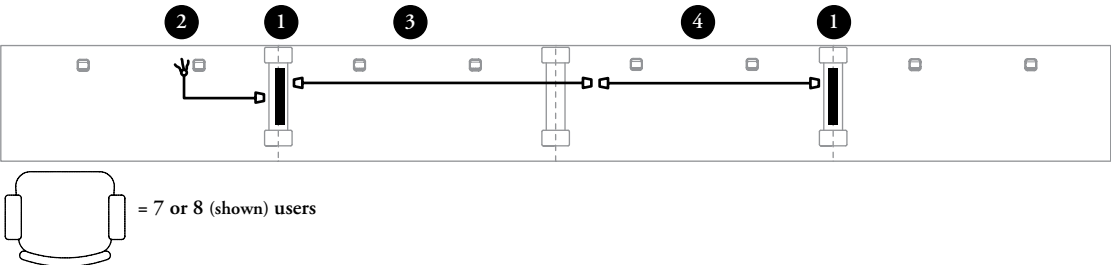
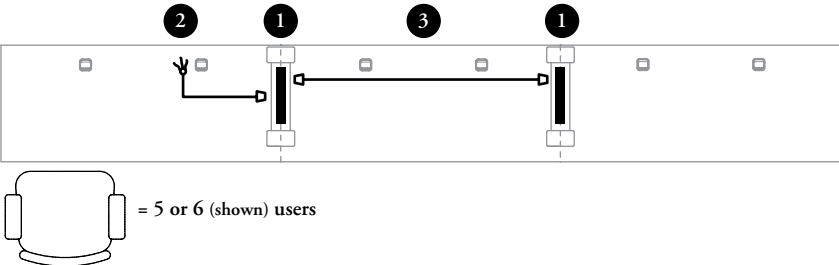
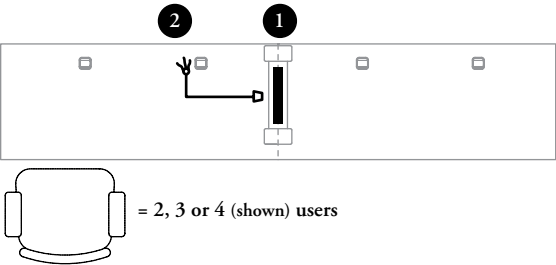
specifying correct power kit – library table (continued)

single-sided library table applications (continued)

GROMMET/ACCESSORY STYLE: ONE GROMMET PER USERS (S)

36" WIDTH PER USER

1		2		3		4	
	Standard-Capacity Power Box		Base Feed		Power Harness		Power Extension Harness



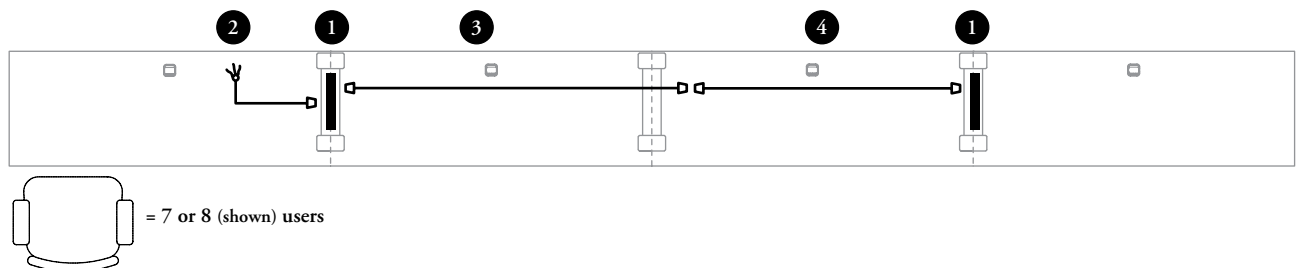
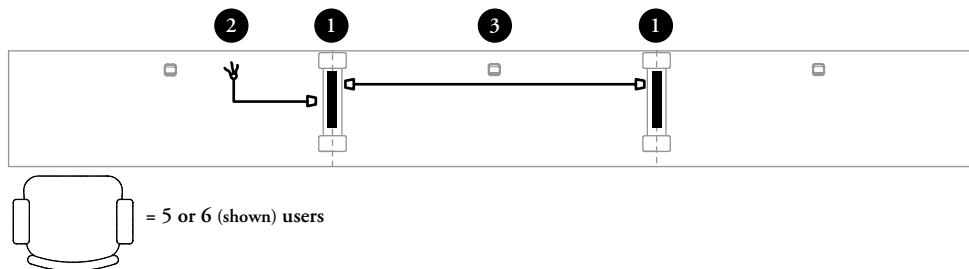
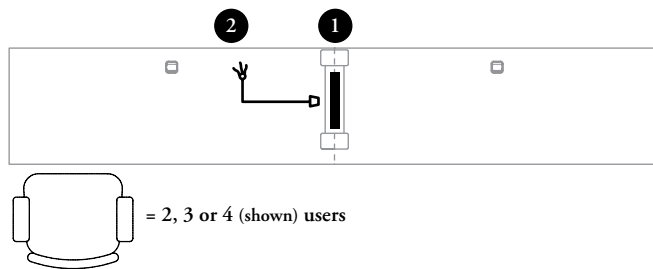
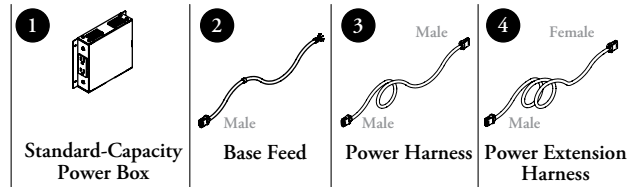


# specifying correct power kit – library table (continued)

## single-sided library table applications (continued)

GROMMET/ACCESSORY STYLE: SHARED PER TWO USERS (D)

42" WIDTH PER USER


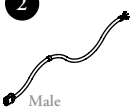
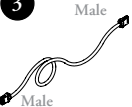
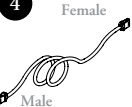


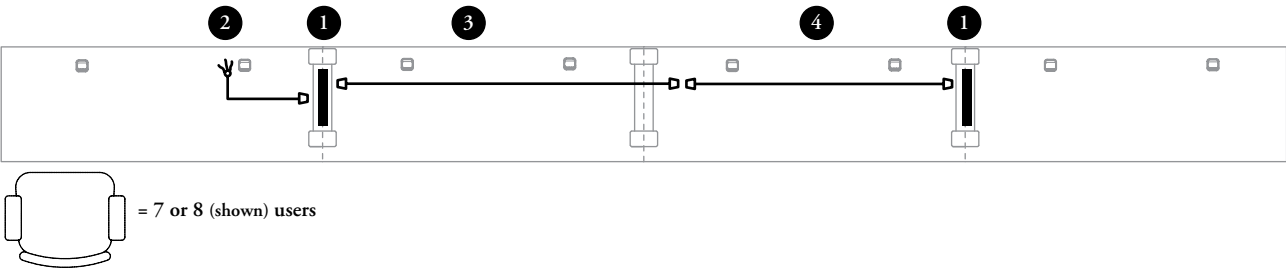
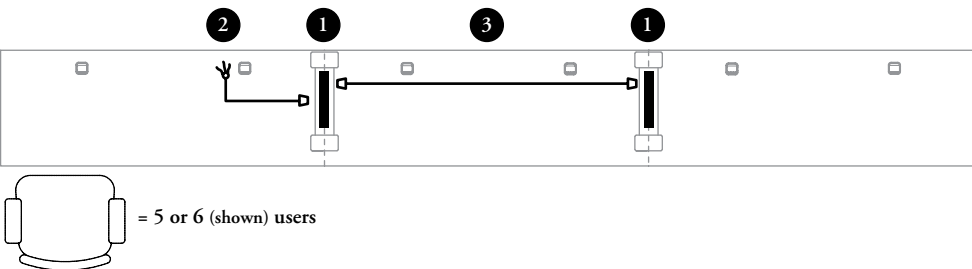
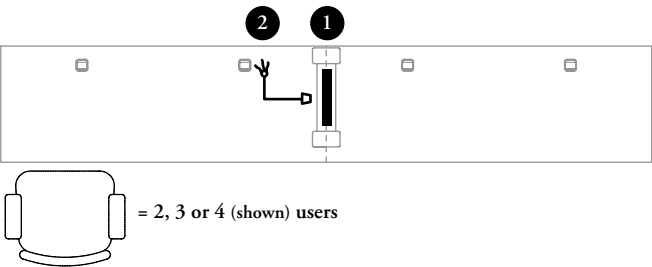
specifying correct power kit – library table (continued)

single-sided library table applications (continued)

GROMMET/ACCESSORY STYLE: ONE GROMMET PER USERS (S)

42" WIDTH PER USER

1		2		3		4	
	Standard-Capacity Power Box		Base Feed		Power Harness		Power Extension Harness

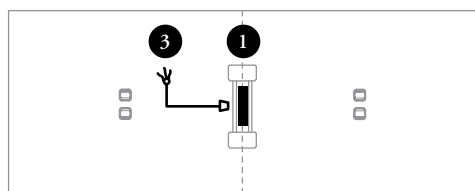
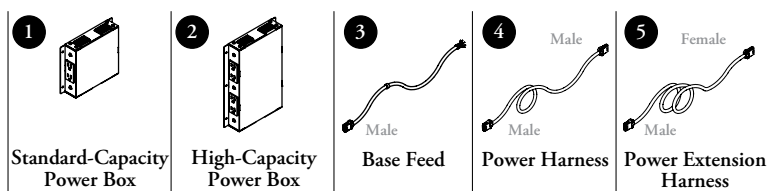


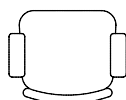
# specifying correct power kit – library table (continued)

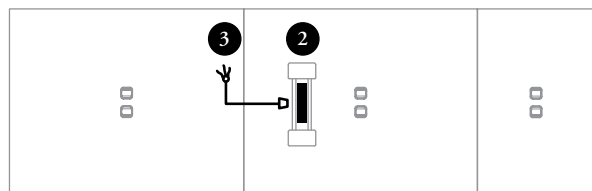
## double-sided library table applications

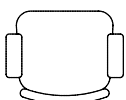
GROMMET/ACCESSORY STYLE:  
SHARED PER TWO USERS (D)

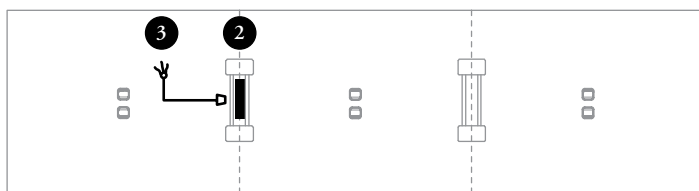
30" WIDTH PER USER

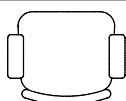


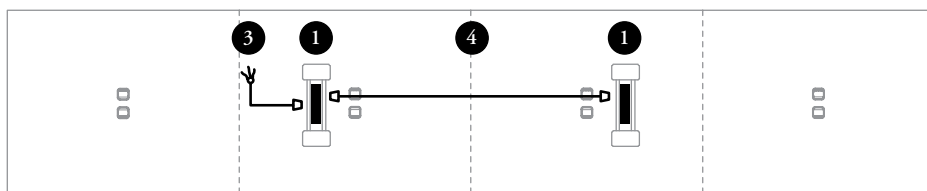
 = 4, 6 or 8 (shown) users

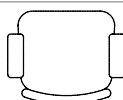


 = 10 users



 = 12 users


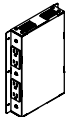

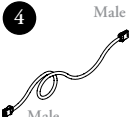


 = 14 or 16 (shown) users

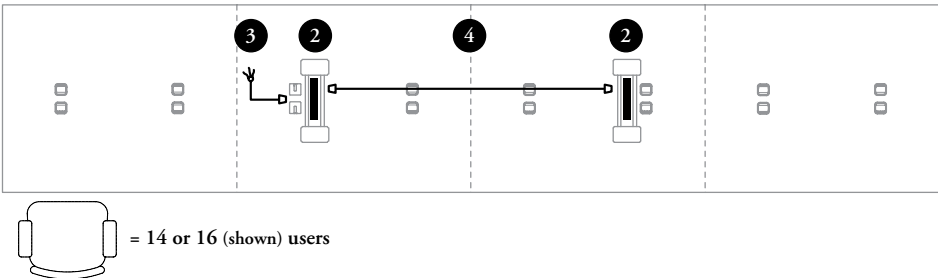
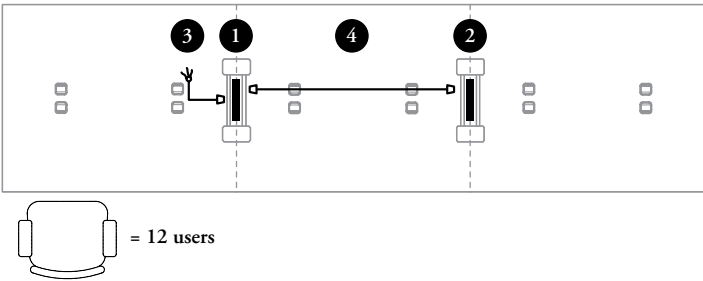
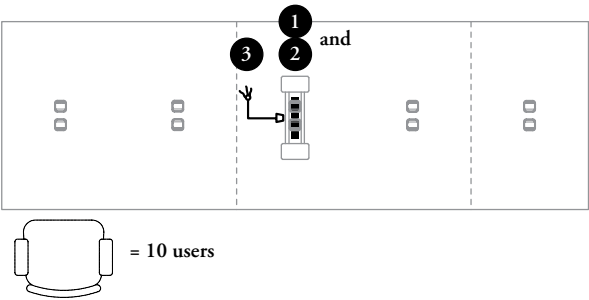
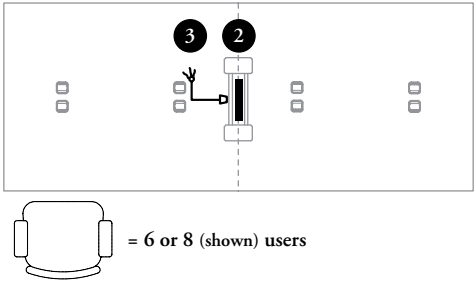
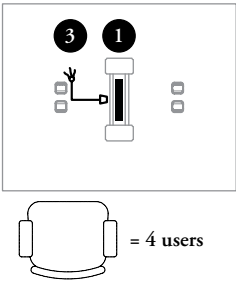
specifying correct power kit – library table (continued)

double-sided library table applications (continued)

GROMMET/ACCESSORY STYLE:  
ONE GROMMET PER USERS (S)

			
1	2	3	4
Standard-Capacity Power Box	High-Capacity Power Box	Base Feed	Power Harness

30" WIDTH PER USER

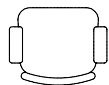
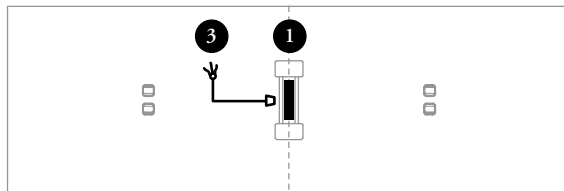
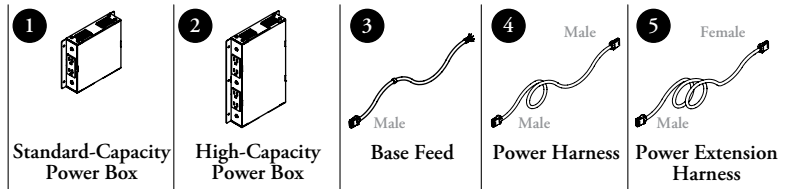


# specifying correct power kit – library table (continued)

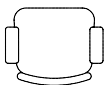
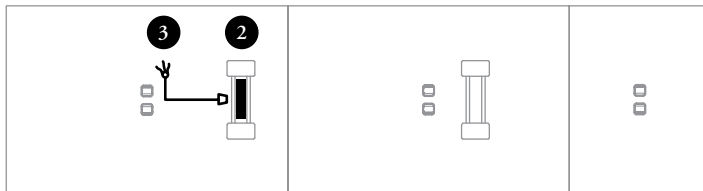
double-sided library table applications (continued)

GROMMET/ACCESSORY STYLE:  
SHARED PER TWO USERS (D)

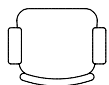
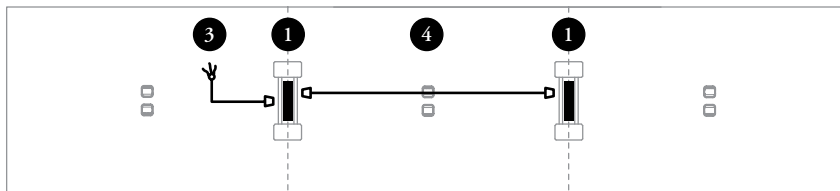
36" WIDTH PER USER



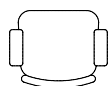
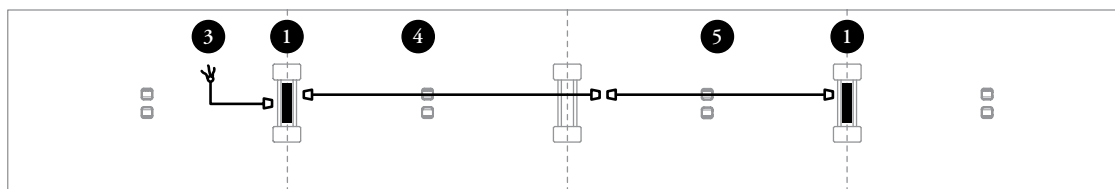
= 4, 6 or 8 (shown) users



= 10 users



= 12 (shown) or 14 users


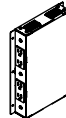


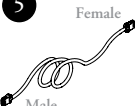


= 16 users

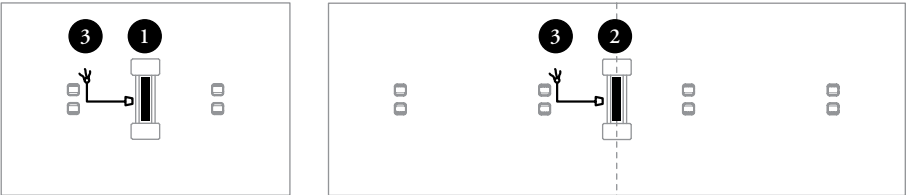
specifying correct power kit – library table (continued)

double-sided library table applications (continued)

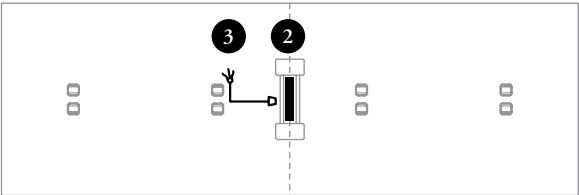
GROMMET/ACCESSORY STYLE:  
ONE GROMMET PER USERS (S)

				
1	2	3	4	5
Standard-Capacity Power Box	High-Capacity Power Box	Base Feed	Power Harness	Power Extension Harness

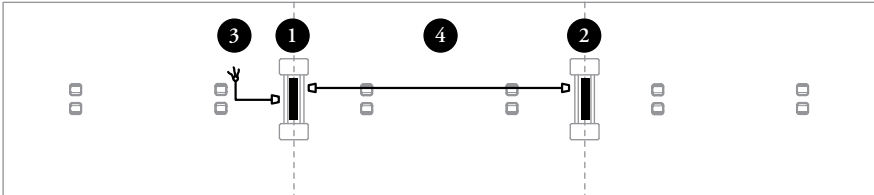
36" WIDTH PER USER



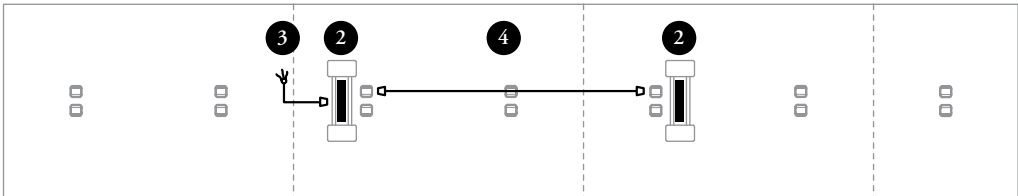
= 4 users



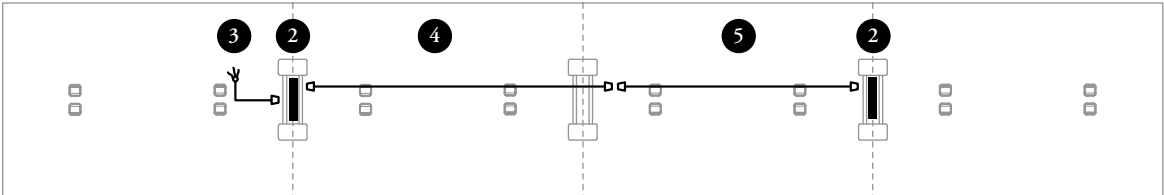
= 6 or 8 (shown) users



= 10 or 12 (shown) users



= 14 users



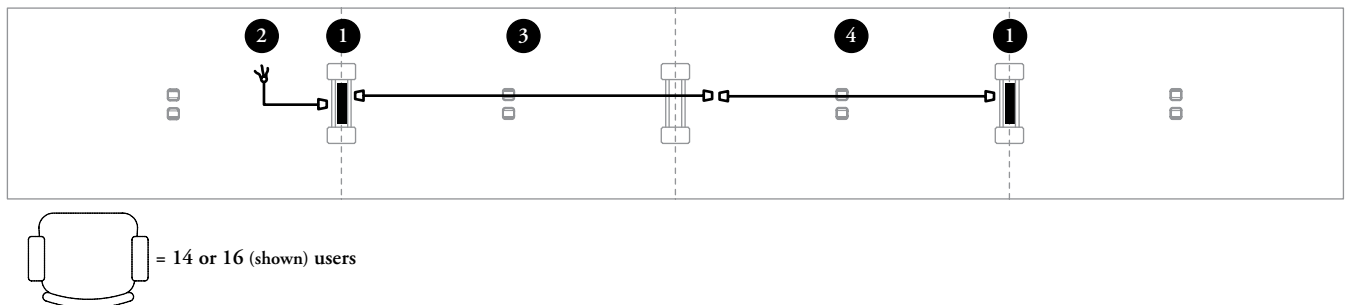
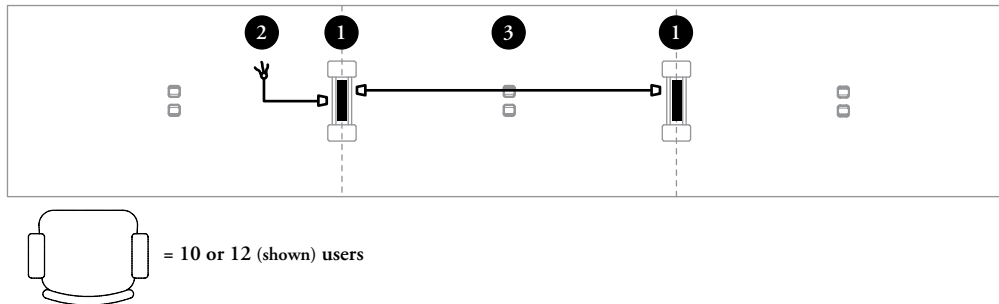
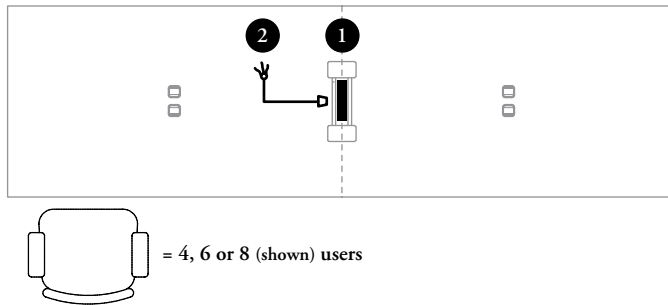
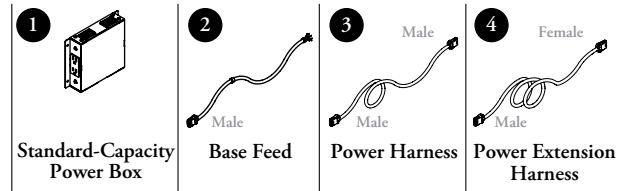
= 16 users

# specifying correct power kit – library table (continued)

double-sided library table applications (continued)

GROMMET/ACCESSORY STYLE:  
SHARED PER TWO USERS (D)

42" WIDTH PER USER


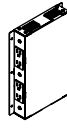
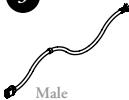
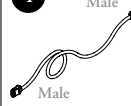
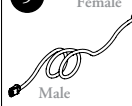


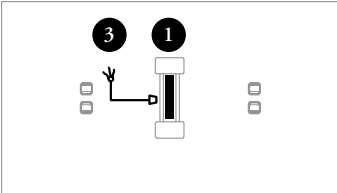
specifying correct power kit – library table (continued)

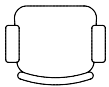
double-sided library table applications (continued)

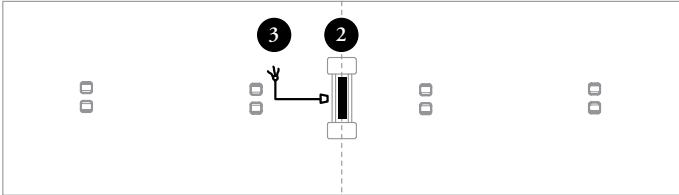
GROMMET/ACCESSORY STYLE:  
ONE GROMMET PER USERS (S)

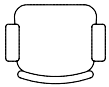
42" WIDTH PER USER

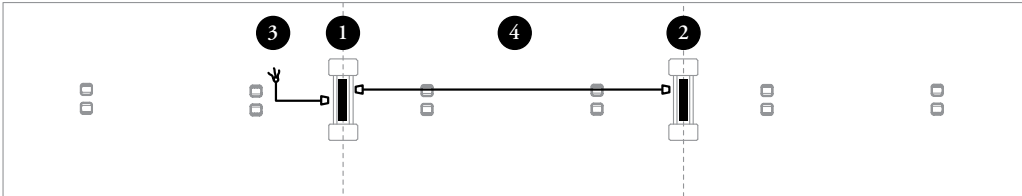
1		2		3		4		5	
Standard-Capacity Power Box		High-Capacity Power Box		Base Feed		Power Harness		Power Extension Harness	

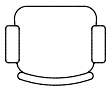


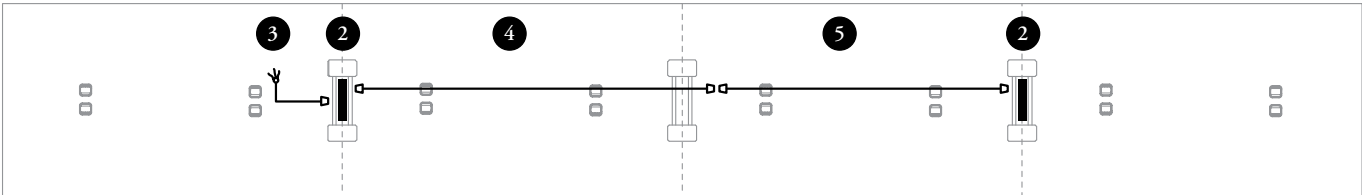
 = 4 users

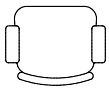


 = 6 or 8 (shown) users



 = 10 or 12 (shown) users









 = 14 or 16 (shown) users



# wiring systems

The following provides general information on the wiring system offering in Expansion Learning Tables.

- ❗ It is important to specify each power and cable management product according to the wire system in use; see example below

	No. Regular Circuits	No. Isolated Circuits
<b>3-Wire (Plug-in)</b>  Circuit 1 (Black) Neutral (White) Ground (Green)	1	0
<b>4-Wire (4B)</b>  Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green)	2	0
<b>7-Wire Non Isolated Ground (7T)</b>  Neutral (White) Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Ground (Green) Neutral (White/Orange) Circuit A (Orange)	4	0
<b>7-Wire Dual Non Isolated (7K)</b>  Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Circuit A (Orange) Circuit B (Blue) Neutral (White/Orange) Ground (Green)	4	0
<b>8-Wire Isolated Ground (8T)</b>  Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	3	1
<b>8-Wire Dual Isolated (8K)</b>  Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Circuit 6 (Blue) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	2	2

- Example, if the system in use is 7-Wire Dual Non Isolated (7K), each Base Feed, Power Harnesses and Power Box must be specified for 7K, as follows:

System	Product Name	Product Code
7K	Base Feed	XPEPBF7K
	Power Harnesses and Extension	XPEPH7K, XPEHE7K
	Power Box	XPEPB7K, XPEPET7K

- This specification is **not** required for lighting products. However, **not** all products are available for all wire systems
- There is a standard color coding for each wiring system and for the connector patterns in conjunction with these:

Standard Circuit 1, Hot Wire: Black

Standard Circuit 2, Hot Wire: Red

Standard Circuit 3, Hot Wire: Blue

Standard Circuit A, Hot Wire: Orange

Standard Circuit B, Hot Wire: Blue

Isolated Circuit 5, Hot Wire: Orange

Isolated Circuit 6, Hot Wire: Blue

Standard Neutral Wire: White

Standard Ground Wire: Green

Isolated Neutral Wire: White/Orange stripe

Isolated Ground Wire: Green/Orange stripe

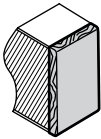
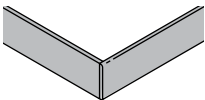

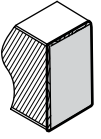
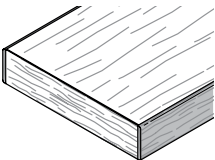
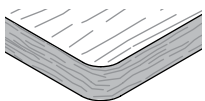
- In wiring systems with more than one incoming hot wire, some or all of the hot wires use the same neutral and ground. For example, in the 4-Wire (4B) system, there are two hot wires. All two hot wires use the same neutral/return wire and the same ground wire. The 7-Wire (7K) system provides one neutral wire per two hot wires and one ground for all four hot wires

## edge details & applications

The chart below indicates which edge trim styles can be specified with Expansion Learning Table surface finishes.

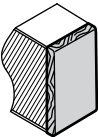
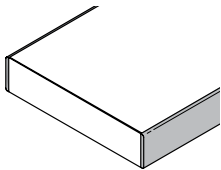
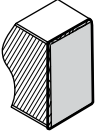
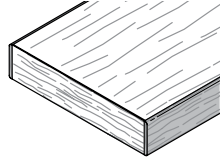
- ❗ Shading indicates user edge
- The Flintwood Flat Trim (9) always match surface color finish

edge trim chart for worksurfaces, flip-top tables, folding tables, lightweight folding tables, high tables, hub tables, instructor worksurface and instructor desks

edge on product	description		source laminate worksurface finish	foundation laminate or HPL whiteboard worksurface finish	flintwood worksurface finish
Straight Trim (6) 	<b>Standard Corner Style</b>  3 mm thick on all edges		Yes	Yes	n/a
	<b>Radius Corner Style</b>  2.5 mm thick on all edges  * Back Laminate for Flip-Top Table with Glass Top comes with the same edge thicknesses and corner styles				
Flintwood Flat Trim (9) 	<b>Standard Corner Style</b>  1.4 mm thick on all edges		n/a	n/a	Yes
	<b>Radius Corner Style</b>  1.5 mm thick on all edges				

## edge details & applications (continued)

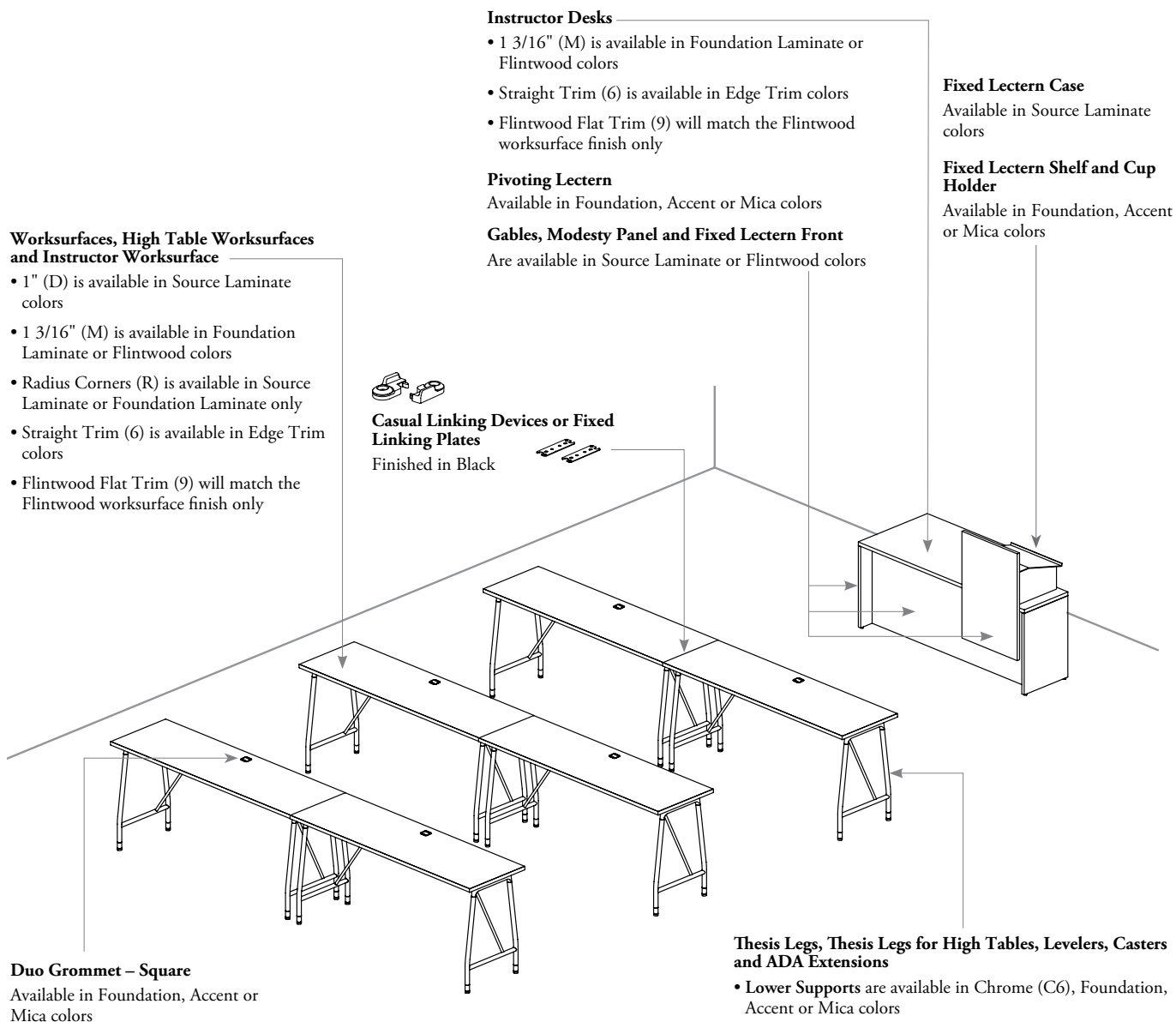
edge trim chart for library tables and extensions for library table

edge on product	description	source laminate worksurface finish	foundation laminate worksurface finish	flintwood worksurface finish
Straight Trim (6) 	<b>All library and extensions worksurfaces</b>  3 mm thick on width edges and 1.5 mm thick on depth edges	n/a	Yes	n/a
Flintwood Flat Trim (9) 	<b>All library and extensions worksurfaces</b>  1.4 mm thick on all edges	n/a	n/a	Yes

## finishes

Tables and related parts are available in a wide variety of finish colors.

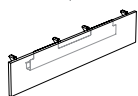
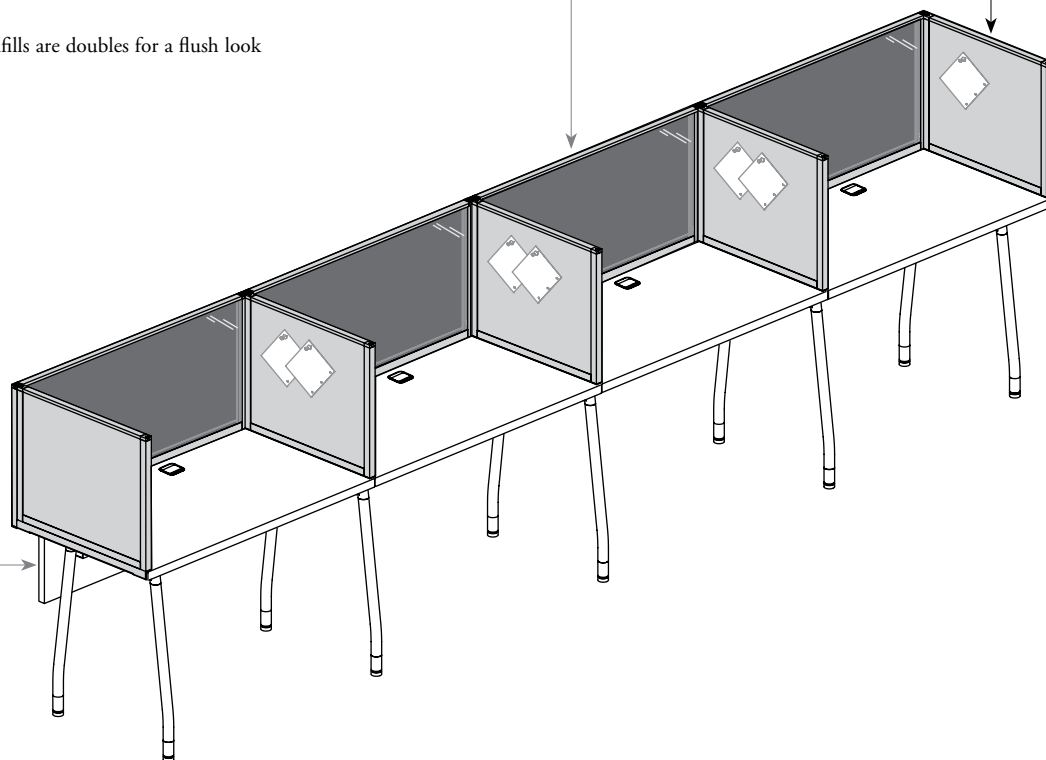
❗ All Solid components are protected with a solid plastic edge



## finishes (continued)

**Back Table Screens or Lateral Table Screens**

- Frame and hardware are available in Foundation, Accent or Mica colors
- Fabric Element is available in panel fabric from Teknion's Standard Panel Fabric Program
- Non-Magnetic Standard Glass Element is available in 5/32" (4 mm) tempered glass Frost (FT) or Back Painted finishes
- Frost (FT) is a single-sided etched glass which is facing inward of the screen assembly
- Tempered glass infills are doubles for a flush look

**Modesty Panels**

- Built-In Cable Tray (if applicable) is available in Foundation, Accent or Mica colors
- Hardware are finished in Black

**Modesty Panels for Flip-Top Table**

- Hardware are finished in Soft Gris

**Modesty Panels for Flip-Top Table – Kupp Legs**

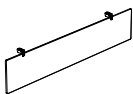
- Hardware are finished in Foundation, Accent or Mica colors

**Solid Panel**

- 11/16" thick is available in Source Laminate or Flintwood colors with matching Edge trim colors

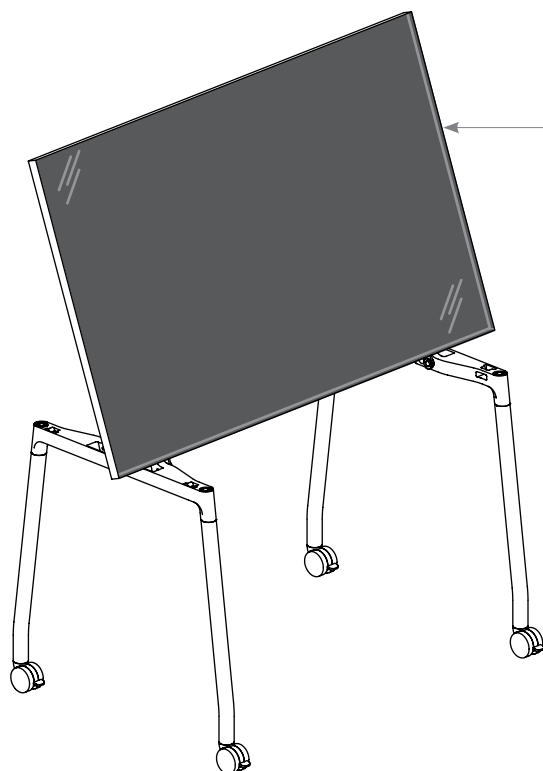
**Metal Panel**

- Are available in Foundation, Accent or Mica colors
- Can be specified with Embossed (E) or No Embossed (N).  
Two Embossed Styles are available: Square Solo (201) or Dot Solo (401)

**Smooth Felt Panel**

- 12.5 mm thick Felt Panel is finished in Smooth

## finishes (continued)



Front View

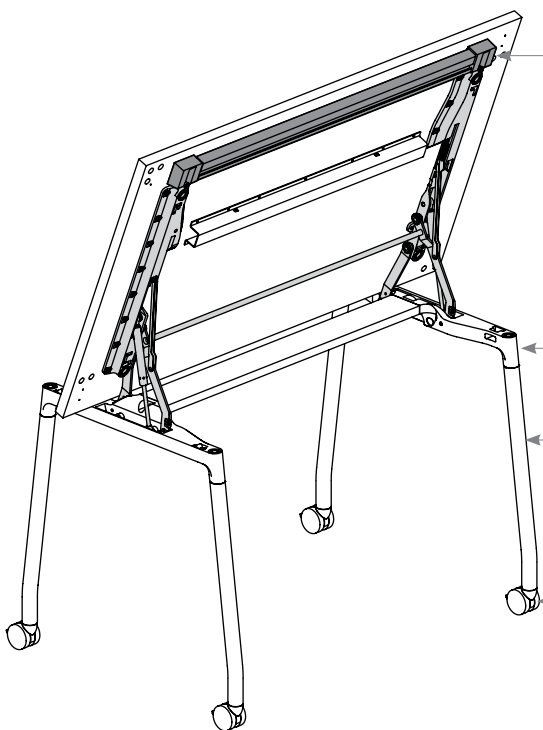
### Flip-Top Tables

#### Glass Top (Shown)

- Available in 5/32" (4 mm) glass thickness Back-Painted tempered glass
- 1" thick laminate worksurface is available in Source Laminate colors only
- Edge Trim finish will match the laminate worksurface
- Radius Corners are chamfered-flat polished. Standard Corners are also chamfered-flat polished and doubled-corner

#### Solid Top

- 1" (D) is available in Source Laminate colors
- 1 3/16" (M) is available in Foundation Laminate or Flintwood colors
- 1 3/16" (M) is available in Foundation Laminate colors or HPL Whiteboard (WL) for Flip-Top Table – Thesis Leg (XTFAS) only
- HPL Whiteboard surface is recommended for light use only. Scratches may affect its use. Laminate must be cleaned after each utilisation. Glass worksurface is recommended for more intensive use
- Worksurface Finish can only be specified One Side for tables (XTFTD, XTFTA or XTFTS):
  - Foundation Laminate – One Side (L)
  - Flintwood – One Side (F)
- Worksurface Finish can be specified One Side or Two Sides for Kupp Table (XTFTK):
  - Foundation Laminate – One Side (L)
  - Foundation Laminate – Two Sides (M)
  - Flintwood – One Side (F)
  - Flintwood – Two Sides (G)
- Radius Corners (R) is available in Source Laminate or Foundation Laminate only
- Straight Trim (6) is available in Edge Trim colors
- Flintwood Flat Trim (9) will match the Flintwood worksurface finish only



Back View

### Activation Handle for all Flip-Top Tables and Hardware

- Are finished in Soft Gris

### Activation Handle for Flip-Top Table Kupp Legs

- Will match the Leg Finish

### Thesis Legs for Flip-Top Table

- Upper Supports (casting) are available in Foundation, Accent or Mica colors
- Lower Supports are available in Chrome (C6), Foundation, Accent or Mica colors
- When Chrome (C6) Lower Support Finish is selected, Platinum (7) for Upper Support Finish is the closest match.

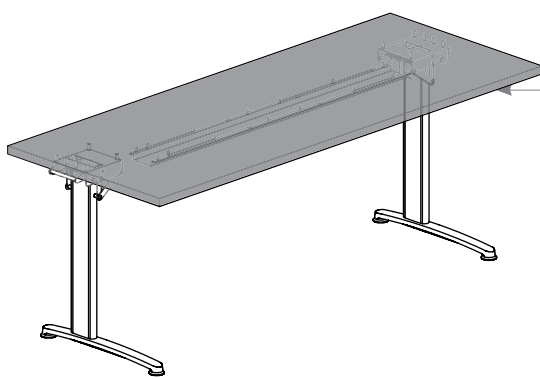
### Standard, Arched, Slender or Kupp Legs for Flip-Top Table

- Are available in Foundation, Accent or Mica colors

### Casters

- Are finished in Black (B) or Grey (G)
- If applicable, Caster Neck will match the Caster color

## finishes (continued)



Top View

### Folding Tables

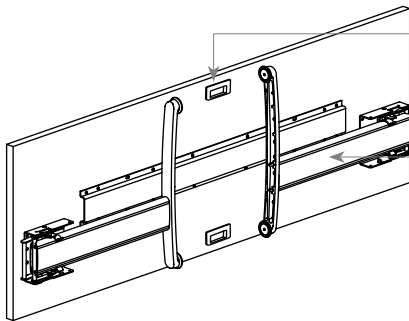
#### Solid Top

- 1 3/16" (M) is available in Foundation Laminate or Flintwood colors
- Radius Corners (R) are available in Foundation Laminate only
- Straight Trim (6) is available in Edge Trim colors
- Flintwood Flat Trim (9) will match the Flintwood worksurface finish only

#### Lightweight Folding Tables

#### Solid Top

- 1 3/16" (M) is available in Foundation Laminate colors only
- Straight Trim (6) is available in Edge Trim colors



Below View

### Pulls (With Lightweight Folding Tables only)

- Are finished in Black

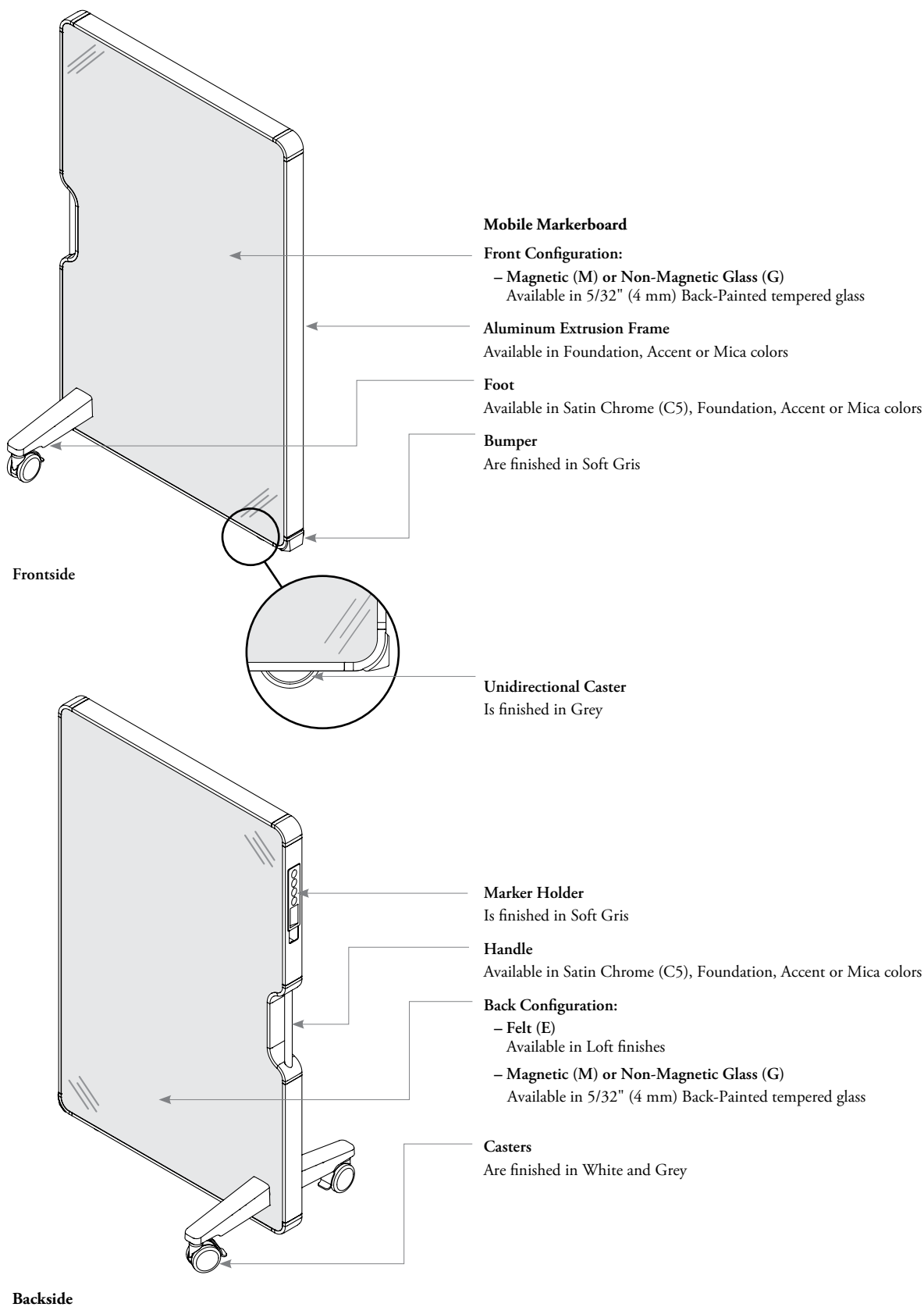
### Standard, Arched or Slender Legs

- Are available in Foundation, Accent or Mica colors

### Casters

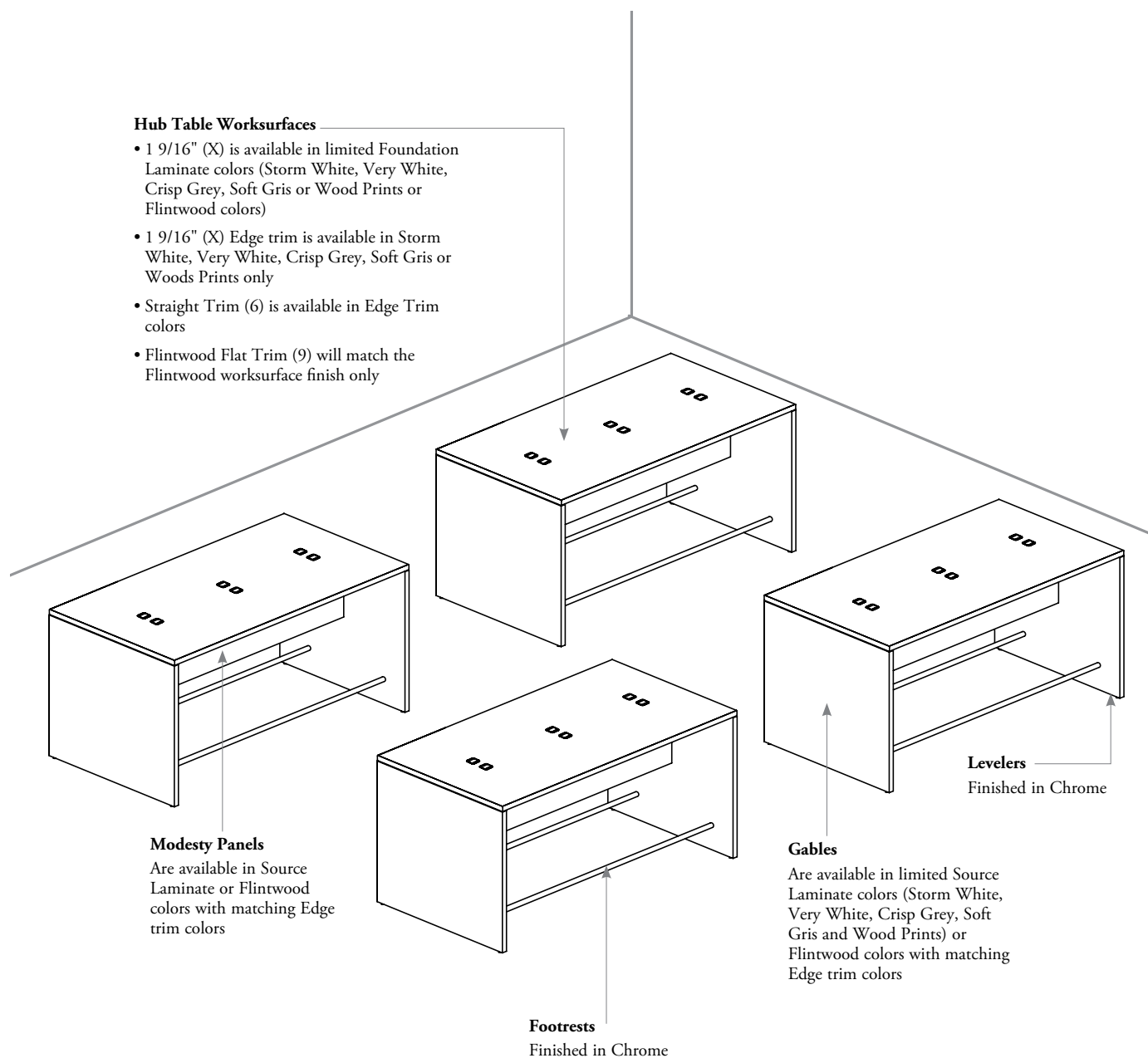
- Are finished in Black (B) or Grey (G)
- If applicable, Caster Adapter will match the Caster color

## finishes (continued)





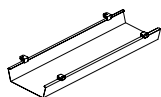
## finishes (continued)



## finishes (continued)

### Library Table Worksurfaces, ADA Extension for Library Table Worksurfaces

- 1 3/16" (M) is available in Foundation Laminate or Flintwood colors
- Straight Trim (6) is available in Edge Trim colors
- Flintwood Flat Trim (9) will match the Flintwood worksurface finish only



### Metal Cable Tray

- The tray match support finish. If Clear Anodized (AC) is selected, Mica Arctic will be applied

### Clips for Metal Cable Tray

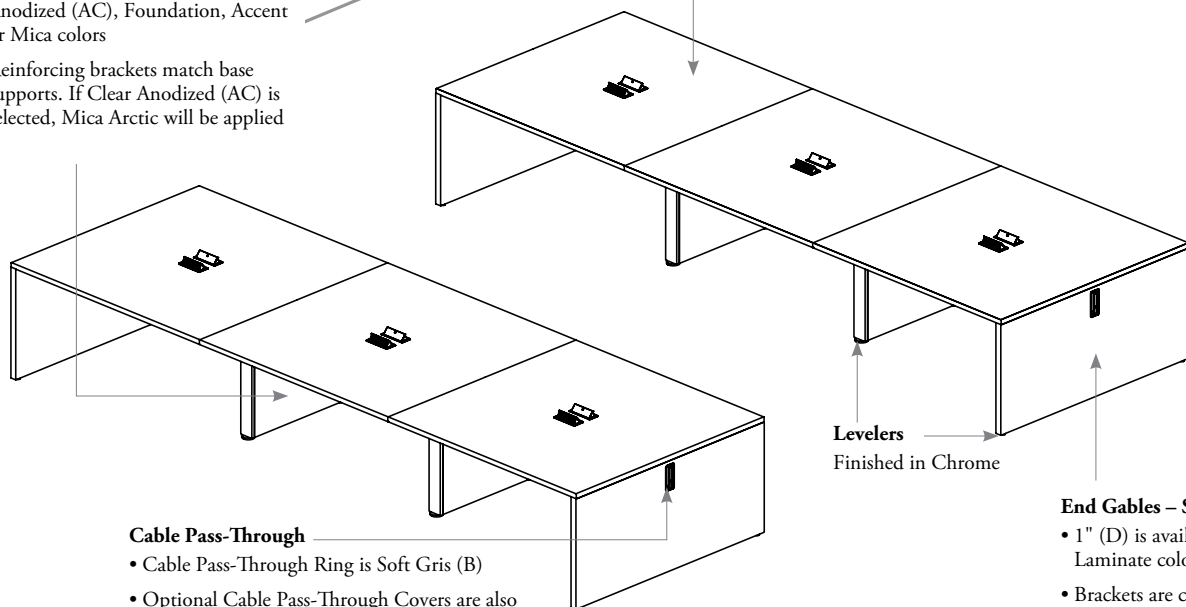
- Finished in Soft Gris (B)

### ADA Hardware

- Available in Foundation, Mica or Coordinate colors
- Coordinate colors are solid colors that can be used to match wood prints. For lists, see on next page

### Intermediate Rectangular Base and Rectangular Base

- Infill panels are available in Source Laminate or Flintwood
- Base Supports are available in Clear Anodized (AC), Foundation, Accent or Mica colors
- Reinforcing brackets match base supports. If Clear Anodized (AC) is selected, Mica Arctic will be applied

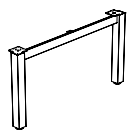


### Cable Pass-Through

- Cable Pass-Through Ring is Soft Gris (B)
- Optional Cable Pass-Through Covers are also available in Foundation, Mica or Coordinate colors
- Coordinate colors are solid colors that can be used to match wood prints. For lists, see on next page

### End Gables - Solid

- 1" (D) is available in Source Laminate colors
- Brackets are coordinated with the gable finish



### Square Post Legs

Are available in Clear Anodized (AC), Foundation, Accent or Mica colors

## finishes (continued)

**Carrel End Screen**

Hardware are available in Foundation, Accent or Mica colors

**Glass:**

- Are available in 3/8" (10 mm) tempered glass Frost (FT) finish
- Etched finish is inside the workstation

**Solid:**

- Are available in Source Laminate or Flintwood colors
- Radius Corners (R) is available in Source Laminate only

**Carrel Divider and ADA Carrel Divider**

Hardware are available in Foundation, Accent or Mica colors

**Glass Back or Lateral Division:**

Are available in 1/4" (6 mm) tempered glass Satin (FB) finish

**Solid Back or Lateral Division:**

- Are available in Source Laminate or Flintwood colors
- Radius Corners (R) is available in Source Laminate only

**Add-On Screen and Add-On Framed Screen**

Frame is available in Foundation, Accent or Mica colors

**Glass Add-On Screens:**

Are available in 1/4" (6 mm) tempered glass Satin (FB) or Frost (FT) finishes

**Solid Add-On Screens:**

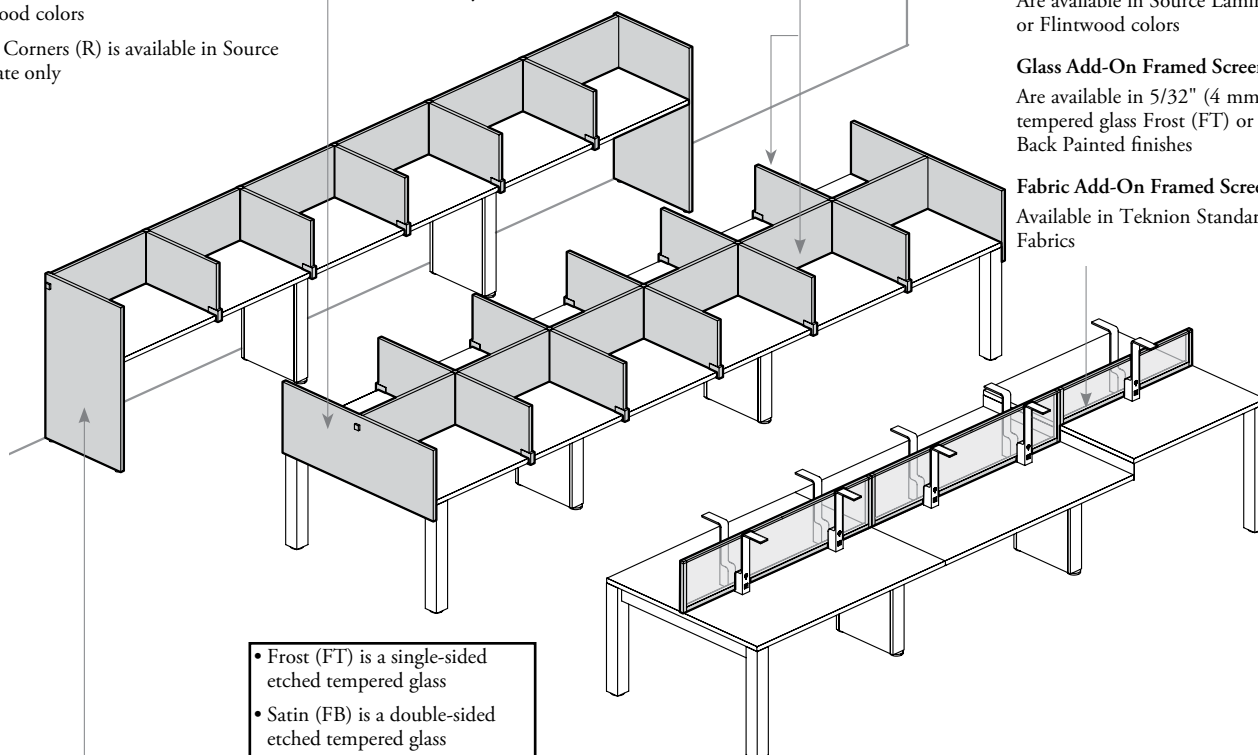
Are available in Source Laminate or Flintwood colors

**Glass Add-On Framed Screens:**

Are available in 5/32" (4 mm) tempered glass Frost (FT) or Back Painted finishes

**Fabric Add-On Framed Screens:**

Available in Teknion Standard Fabrics



- Frost (FT) is a single-sided etched tempered glass
- Satin (FB) is a double-sided etched tempered glass

**Carrel Supporting End Screen – Solid**

- Are available in Source Laminate or Flintwood colors
- Radius Corners (R) is available in Source Laminate only
- Hardware are available in Foundation, Accent, Mica or Coordinate colors
- Brackets underneath worksurface are coordinated with panel finish
- Coordinate colors are solid colors that can be used to match wood prints

**Coordinate Colors Finishes:**

M8 Royal Cherry  
NB Ivory Birch  
NC Provincial Oak  
ND Coastal Elm  
Q4 Espresso Reflect  
Q6 Stainless  
Q7 Walnut Cathedralgrain  
Q9 Mercurial Walnut

R7 Java Walnut  
R8 Urban Walnut  
R9 Choice Maple  
V1 Estate Cherry  
VD Campus Oak  
VL Flax Reflect  
VV Pecan Reflect  
W8 Cocoa Brown Reflect  
W9 Sycamore Reflect

• See below for mounting hardware color match suggestion

Flintwood Finish		Closest Match for Metal Finish		
Code	Color	Code	Color	Finish Style
FX	Flax	VL	Flax Reflect	Coordinate
FN	Natural Pecan	VV	Pecan Reflect	Coordinate
FM	Medium Sycamore	V1	Estate Cherry	Coordinate
FC	Chianti	V1	Estate Cherry	Coordinate
FD	Dark Walnut	R7	Java Walnut	Coordinate
NR	Sierra Flint	Q7*	Walnut Cathedralgrain	Coordinate
NT	Cocoa Brown Flint	W8	Cocoa Brown Reflect	Coordinate
VA	Sycamore	W9	Sycamore Reflect	Coordinate
VB	Black Walnut	X*	Anthracite	Mica
VT	Walnut Cathedralgrain	Q7	Walnut Cathedralgrain	Coordinate
VZ	Blonde Maple	R9	Choice Maple	Coordinate
5N	White Oak	VD	Campus Oak	Coordinate
5P	Poppy Seed	R8	Urban Walnut	Coordinate
5Q	Harvest Cherry	V1	Estate Cherry	Coordinate
5R	Earl Grey	S	Sepia Bronze	Mica
5S	Silverwash	4	Earth	Foundation
5T	White Truffle	ND	Coastal Elm	Coordinate
5U	Raw Umber	2	Burnished Bronze	Mica
5V	Caraway	4	Earth	Foundation
5W	Drift Oak	3	Sand	Foundation
5X	Dark Henna	R7	Java Walnut	Coordinate
5Y	Black Timber	W8	Cocoa Brown Reflect	Coordinate
5Z	American Walnut	Q7	Walnut Cathedralgrain	Coordinate

\* This match suggestion is **not** close enough to be considered as tone on tone