lighting, electrics & communications

LIGHTING & SUPPORTS FOR LINEAR LED LIGHT BASICS.....558

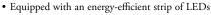
application guide

lighting & supports for linear LED light basics

Expansion Casegoods lighting solutions answer all task illumination needs. LED technology provide high quality lighting over the worksurface.

- - All dimensions in this section are nominal
 - · 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

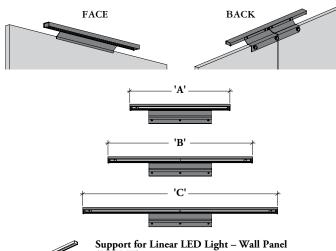
linear LED light (BLEDD)



- Available in widths 24", 36" or 48"
- The cords can be concealed in the hutch corner extrusion groove. It is managed with wire clips that route the cord to power at the access level
- Must be used with Support for Linear LED Light Overhead (BLEDS), when mounted under a overhead cabinet (not included, must be specified separately)
- Must be used with Support for Linear LED Light Wall Panel (BLEDW), when mounted on top of a Wall Panel (not included, must be specified separately)
- Can be used under Hutches without Support for Linear LED Light
- Linear LED Light width should match Support for Linear LED Light width
- This product includes a 216" cord length with a standard plug (0) option
- Made with 95 % of recycled material. Life expectancy of 50 000 hours
- Finish: Clear Anodized (AC)

supports for linear LED light

These supports maintain in place the Linear LED Light (BLEDD) on top edge of a Wall Panel or underneath a solid Overhead Cabinet





(BLEDW)

- It can be positioned anywhere along the width of the Wall Panel
- Available in widths 24", 36" or 48"
- Width Support Size according to Width Wall Panel:
- Use 24" wide light support (A) to use with 30" to 90" wide Wall Panel
- Use 36" wide light support (B) to use with 36" to 90" wide Wall Panel
- Use 48" wide light support (C) to use with 48" to 90" wide Wall Panel
- · Finishes: Foundation, Accent or Mica colors



Support for Linear LED Light – Overhead (BLEDS)

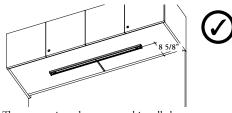
'B'

'C'

- It can be positioned underneath a Hutch, a Standard or Double Overhead Cabinet
- Available in widths 24", 36" or 48'
- Width Support Size according to Width Overhead: - Use 24" wide light support (A) to use with 30" to 84" wide overhead
- Use 36" wide light support (B) to use with 42" to 84" wide overhead
- Use 48" wide light support (C) to use with 54" to 84" wide overhead
- · The Overhead Cabinet must be specified with Linear LED Light Ready (L) option
- · Finishes: Foundation, Accent or Mica colors

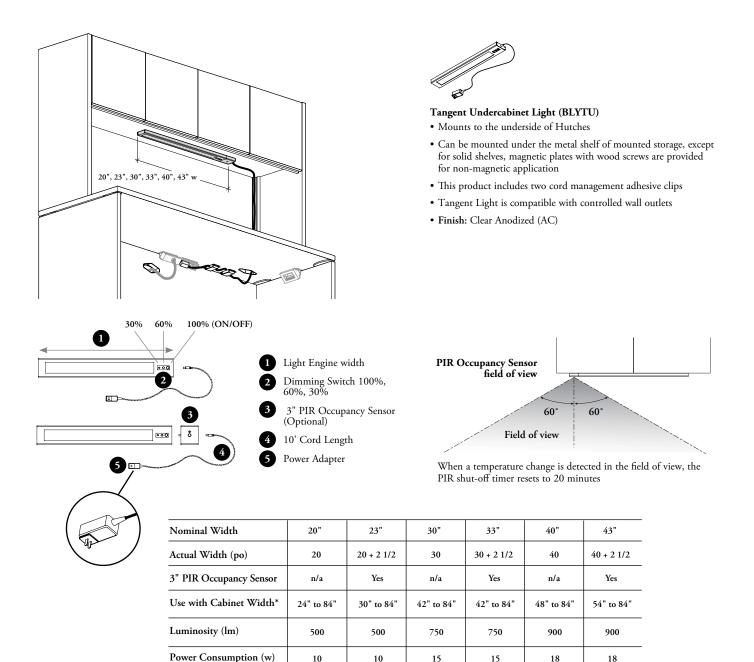
lighting & supports for linear LED light basics (continued)

supports for linear LED light - overhead applications



The support is undermount and installed 8 5/8" from the back of the overhead

tangent undercabinet light



* See Hutch Accessory Compatibility Chart on page 253, for more details on use with hutch width

power & data distribution

Expansion Casegoods offers a wide variety of components for efficient and discrete management of electrical wiring and communication cables.

- Grommets on worksurfaces and modesty panels provide openings for routing cables
- All items listed in the section are approved for use in both Canada and the United States. If a product is to be used elsewhere, contact Teknion's Customer Service
- · No daisy chain allowed with other modules
- Each power module can support 15A. For more details, refer to local electrical code

Plug-In Power Bar (BLPP)

- Four Mounting Configuration are available:
- No Mouting Hardware (N)
- Desk Mounted with Wire Clips (D)
- Height-Adjustable Mounted with Wire Clips (H)
- Worksurface Mounted with Cable Tray and Wire Clips (W)
- This product includes, when specified, one power bar, adjoining clips, single wire management clips and/or cable tray
- Adjoining Clips and Single Wire Management Clips: Can be placed anywhere along 1/4" gap between the worksurface and the support or modesty panel
- Installs under a worksurface and provides a 3-wire system. It can be used to connect up to four pieces of electrical equipment
- This product includes a 72", 120" or 180" cord length
- Plugs directly into standard receptables
- Features a flat 45° plug that enables placing furniture closer to the wall
- Finishes: The power bar is finished in Clear Anodized. The single wire management clips, adjoining clips and cable tray are finished in Black only

Mounting Configuration Kits

The number of the Single Wire Managament Clip varies, refer to product pages for details

No Mounting Hardware (N) Comes alones and be placed anywhere under a worksurface



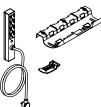
Height-Adjustable Mounted (H) Bracket and Single Wire Management Clips are included with Power Bar

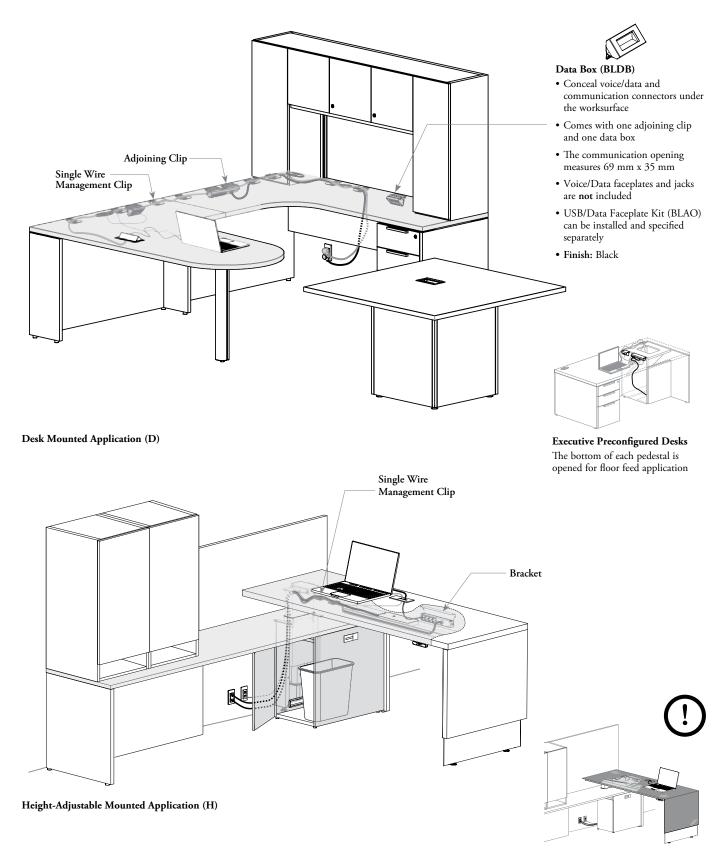


Desk Mounted (D) Wire Adjoining Clip and Single Wire Management Clips are included with Power Bar



Worksurface Mounted (W) Cable Tray and Single Wire Management Clips are included with Power Bar





Height-Adjustable Run-Off with Glass Top must be specified No Mounting Hardware (BLPPN) configuration



Dual Wire Management Clips (BLDWC)

- · Manage and conceal wires under the worksurface
- The Dual Wire Management Clips can be screwed under the worksurface at the desired location
- · Finishes: Silver Grey Coordinate



Single Wire Management Clips (BLWC)

- · Manage and conceal wires under the worksurface
- These clips can be attached anywhere along 1/4" gap between the worksurface and the support or modesty panel
- Finish: Black



Power/Data Center (BLMC)

- Opens up through the worksurface to provide power, data and USB access. It retracts to allow use of the entire worksurface
- The USB-A port always supplies 10 Watts maximum at 5 Volts DC when use combined
- This product includes a 72" or 120" cord length
- · Must be field-installed as per template included
- Voice/Data faceplates and jacks are not included and must be field supplied and installed

Configu-

ration

221

301

Communi-

cation

Opening

1

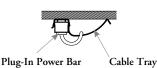
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- · Plugs directly into standard receptables
- Gris (26)

0 ,	1
• Finishes: Ebony (52) and S	Soft Gris (2
Power Simplex Receptacle	USB
2	2
3	0

Cable Tray (BLCT)

- · Is mounted below any worksurface to manage cables coming from the worksurface level
- Allows installation of Plug-In Power Bar No Mounting Hardware (BLPPN) only
- Finish: Black



Power Modules also available:

- Used with Meeting Tables only to supply access to electrics
- Cannot be used on Expansion Casegoods desks
- · A template is included allowing to cut Solid worksurface on-site, except for tables with Blade Star Base
- Plugs directly into standard receptables, except Linear Power Module can also be used with Hard Wire Base Feed
- · For more details on these Power Modules, refer to the following pages



Linear Power Module (BLELP) • Hard Wire Base Feed Configuration (H) cannot be used with height-adjustable worksurfaces



The Power Qube is a 3-wire alternative to provide power/communication/USB charging above worksurfaces.



- The product below can be specified separately
- · Power Qube must be plugged into a wall outlet
- Not all power cord lenghts, plug types and configurations are available. Refer to individual product pages for details



Power Qube (BEEPC)

- Provides power, data or USB charging access above worksurface
- Alternative for Height-Adjustable with Solid Top, compare to wall panel with power and data
- Voice/Data jacks are not included and must be field supplied and installed
- 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):

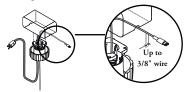
- The USB-C port supplies 18 Watts maximum at 5 to 12 Volts DC when used alone

- Maximum combined output is 15 Watts when both ports are used together: 5 Watts for USB-A port and 10 Watts for USB-C
- 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
- Square Cut-Out Mounting Option (Q) and all Quad Configurations cannot be specified with 60" wide and less Rectangular Worksurfaces
- Plug-In (A) Connector is plugged directly into standard receptable outlets
- IEC Connector (C) is plugged directly into the Integrated Power Bar with IEC Outlet of Height-Adjustable Worksurface only. Reduces the cable management underneath the worksurface and also removes the cable management outside the worksurface
- For more information about IEC Connector option (C), refer to One Table One Plug Application Guide in Complement: Teknion's Ergonomics & Accessories Programm
- This product includes 48", 72", 120" or 180" power cord length
- Simplex outlet finish to be Soft Gris
- · Power cord is a grey cloth covered type
- Finishes: Case and Front Finishes are available in Foundation, Mica and Accent colors

• Two mounting options are available

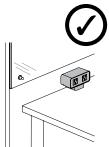
Square Cut-Out (Q)

- Fits into Square Grommet Ring on Standard Solid Top (D, M, X) and a twistable attachment ring allows to tight the Qube casing between the top and bottom worksurface. The Square Cut-Out mounting option must be specified on worksurfaces for installation
- Can also be field installed using the template and grommet ring of the Square Grommet (ordered separately)
- Permanent equipment cords can pass through the square cut-out using the side slot

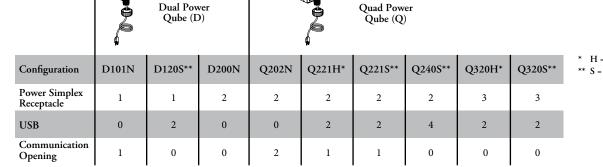


Desk Edge Clamp (D)

- A Power Qube with Desk Edge Clamp option can be installed on height-adjustable worksurface, including the Wall Panel side
- A Desk Edge Clamp Power Qube cannot be installed in modular desk 1/4" gap.
- When planning with High Secondary Desk, edgeclamped power Qube **cannot** be mounted above the secondary desk



Clamp-On Markerboard, Fabric or Felt Screen



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

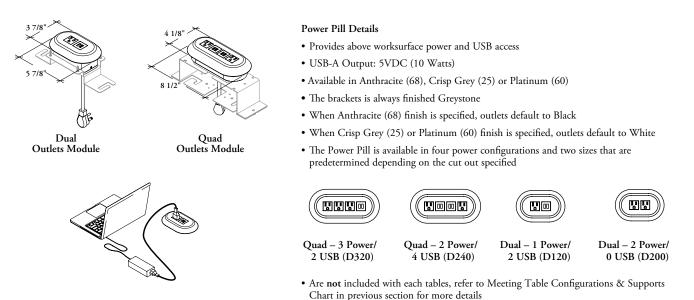


OR

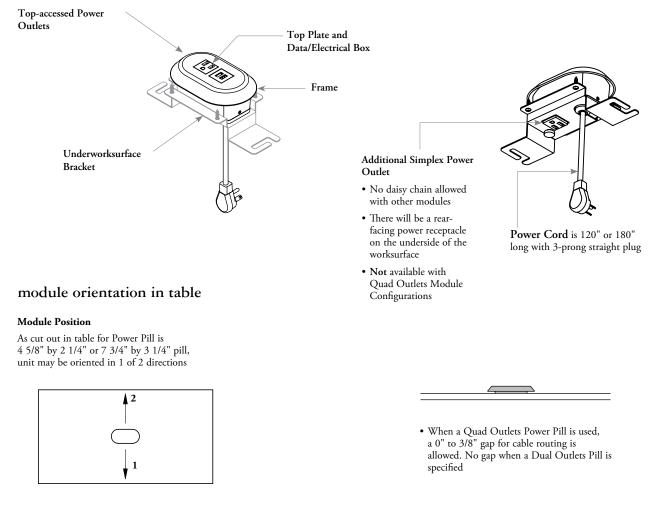


IEC Connector (C) (Canada/U.S.A.)

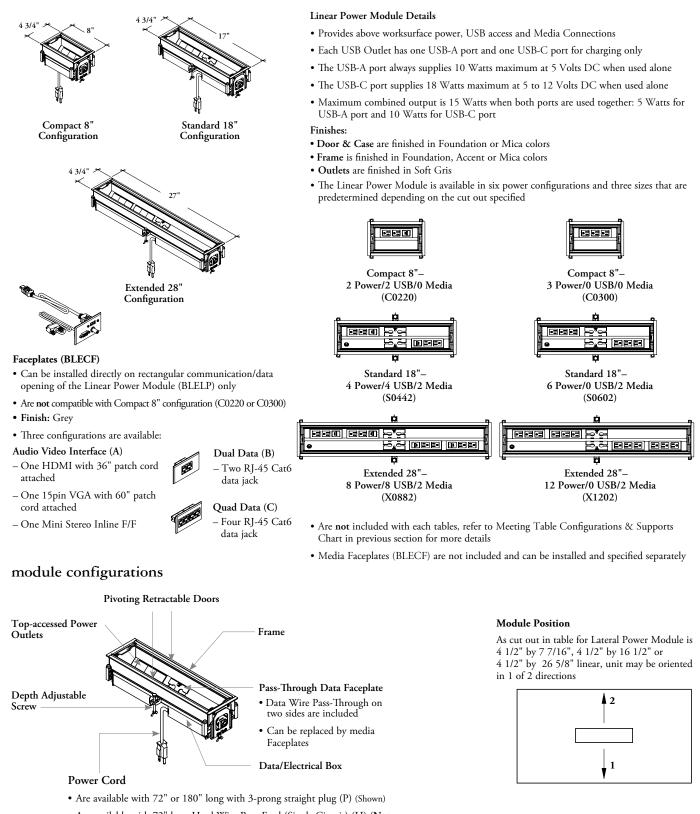
The following should be considered when planning with Power Pill.



module configurations



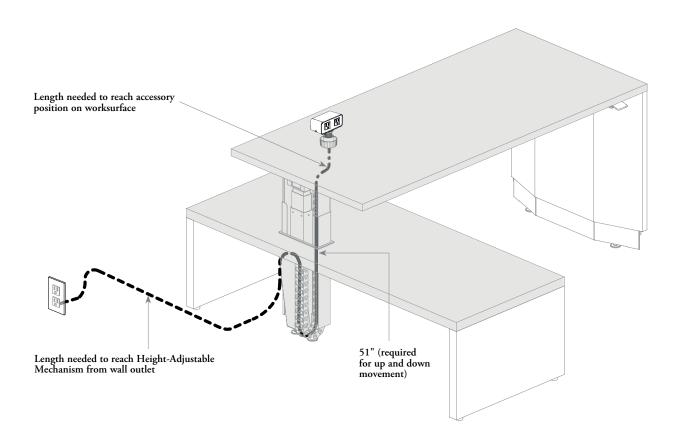
The following should be considered when planning with Linear Power Module.

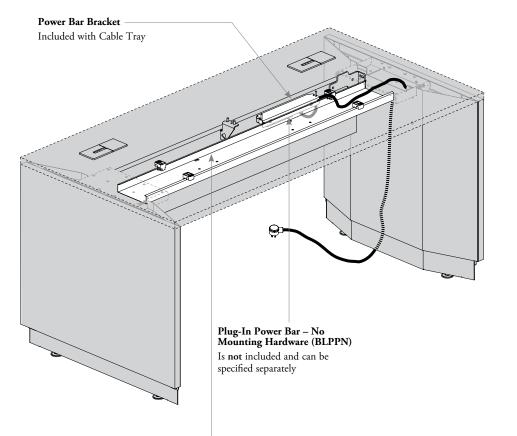


- Are available with 72" long Hard Wire Base Feed (Single Circuit) (H) (Not available with Compact 8" Configuration only)
- Hard Wire Base Feed (H) can only be used on Fixed-Height Meeting and Conference Tables

The following should be considered when planning with electrical components on a Height-Adjustable Worksurface to be plugged on wall outlet.

- Longer cord is required when specifying electrical accessories on a Height-Adjustable Worksurface since 51" of cord will be needed to allow up and down movement. Therefore electrical cord length should be specified as follow:
 - Length needed to reach Height-Adjustable Mechanism from wall outlet + 51" (required for up and down movement) + Length needed to reach accessory position on worksurface = minimum cord length required



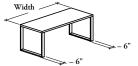


Power Tray (BLEPT)

- Is mounted below any worksurface (solid or glass) to manage cables coming from the worksurface level
- Comes with a power bar bracket that allows installation of Plug-In Power Bar No Mounting Hardware (BLPPN) only
- Provide 5/8" gap between the worksurface and tray to insert the fingers for opening tray
- If needed, the Electric Control Box for Height-Adjustable Mechanism can be inserted inside the Power Tray Finishes:
- Tray is available in Foundation, Mica or Coordinate Colors
- Clips are finished in Soft Gris (B)
- Power Tray width depends on products and supports and/or secondary desk selected:

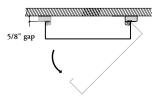
Examples:

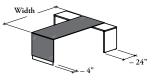
With 72" Table/Fixed-Height Desk (Worksurface Width minus Supports Dimensional)

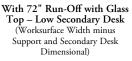


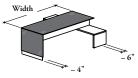


Product Description	Worksurface Width	Support and/or Secondary Desk Dimensional
Table/Fixed-Height Desks (Multi-Level Workstation Products)		
Table/Fixed-Height Desks (B_MDWO, B_MDWF, B_MFWO or B_MDWB) or Desks for U-Shape Configuration (B_MDG or B_MDS)	54" to 90"	- 12"
On High Secondary Desks Products		
Run-Off Worksurface (B_MHH), Run-Off with Glass Top (BGMTH) or Overlapping Bridge (B_MBH)	60" to 90"	- 30"
On Low Secondary Desks Products		
Run-Off Worksurface (B_MPL), Run-Off with Glass Top (BGMTL), Overlapping Bridge (B_MBL) or Worksurfaces with End Support (B_MPG, B_MBG)	60" to 90"	- 12"





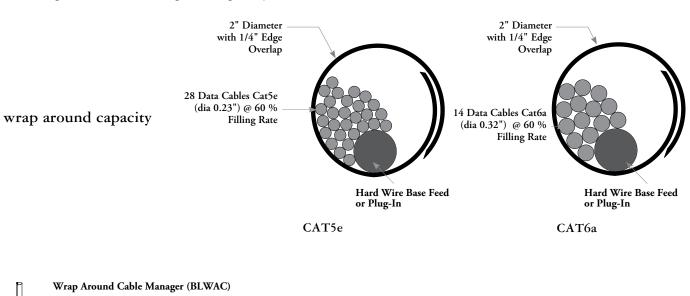




The product below can be specified separately

power & data distribution (continued)

This component can be installed to run cables from the floor to the Meeting Tables.

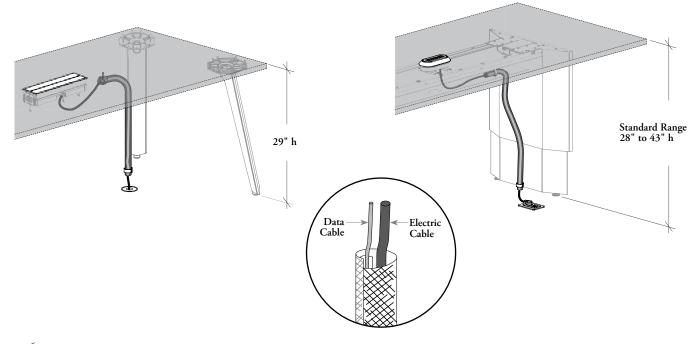


• Fixed-Height Table configuration (FF) has also a diameter of 2" and is 29" long. It allows routing plug-in cable from underside of a worksurface to the floor (Shown). Can also routing Hard Wire Base Feed/Data cables coming from the floor to the underside of a worksurface

- Height-Adjustable Table Standard Range 28" to 43" h configuration (HS) has a diameter of 2" and is 43" long. It allows routing plug-in cable from cable tray of a Height-Adjustable Meeting Table to the floor.
- Finishes: Black (B) or Grey (G)

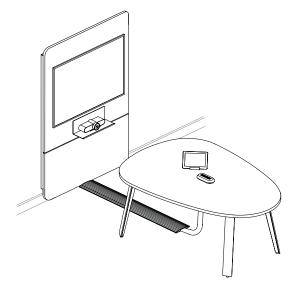
fixed-height configuration (FF)

height-adjustable configuration (HS)



This component can be installed to run cables from the floor to the Meeting Tables.

- Check local codes for potential limits or restrictions on products and local authority approval may be required prior to use
 - Not intended to be used in corridors or circulation paths, the product is designed for low traffic area like meeting room





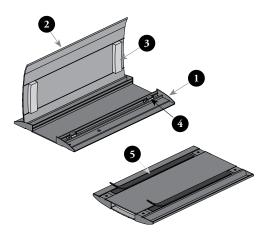
Floor Cable Cover – Meeting Table (BLFCM)

• The Floor Cable Cover offers a secure way to route cables on the floor from the power source to the meeting table

5

- Widths available: 36" to 96" (1" increments)
- Offers flexibility when the power source location is separated from the furniture layout
- Comes with Velcro® and mounting holes to ensure the fixation on a variety of flooring style
- Finishes: Clear Anodized (AC), Foundation, Accent or Mica color

floor cable cover components



- 1 Base Section will be fixed to the floor and organizes the cable
- 2 Top Cover is hinged to allow access to the cables
- **Foam Tape** offers protection to the cable at the end of the Floor Cable Cover and also help keeping the cables securely in place
- 4 Metal Clips allow the base and top cover to maintain in the close position
 - **Underside Velcro**[®] allow the product to be fixed to a multiple type flooring. Use the appropiate combination of male and female Velcro[®] depending on the flooring material. Mounting holes are also available to use screws (**not** included)

application guide

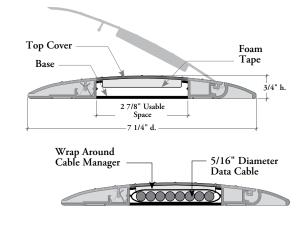
power & data distribution (continued)

floor cable cover capacity

- This cover allows routing power and data cables. It can also run audio and video cables to the meeting table
- A Hard Wire Base Feed **cannot** be routed from power module or power hardness

Wrap Around Cable Manager

• Routed inside the Floor Cable Cover



8 data cables (CAT6a)

The Floor Cable Cover has a capacity of 6 plug-in cables (up to 3/8" diameter each) when used in combination with the Wrap Around Cable Manager (BLWAC)

6 plug-in cables

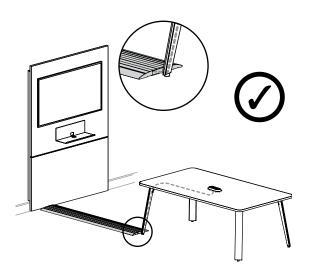
The Floor Cable Cover has a capacity of 8 data cables (up to 5/16" diameter each (Cat6a)) when used in combination with the Wrap Around Cable Manager (BLWAC)

planning with floor cable cover

- The Floor Cable Cover is offered at every inch, up to 96". To specify the exact length, refer to the floor plant in the specification software
- Depending on the type of meeting room and the where the electricity need to go, the length of the Floor Cable Cover may vary

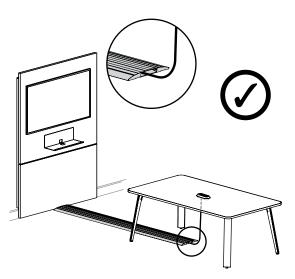
3/8" Diameter

Plug-In Cable



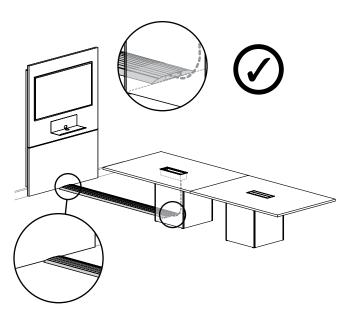
Run to a Table Leg

- Use where the cables can route in the leg of the table. Worksurfaces with Blade Legs, Blade T-Legs, Workshop Legs or Blade Star Base
- For cable management inside a leg or base, refer to page 502 for more detail



Run to the Center of the Table Use where the cables start from the floor directly to the power module in the center of the tables

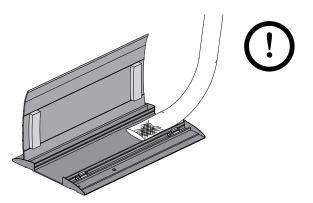
planning with cable cover (continued)



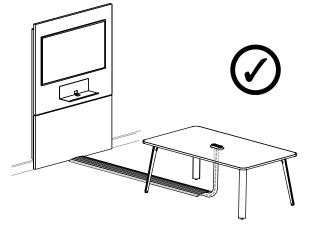
Run to a Table Base

- Use where the cables can route in the base of the table to the power module. Worksurfaces with Panel or Square Bases or Height-Adjustable Bevel Bases
- For cable management inside a Panel or Square Base or a Height-Adjustable Panel or Bevel Base, refer to page 501 for more detail

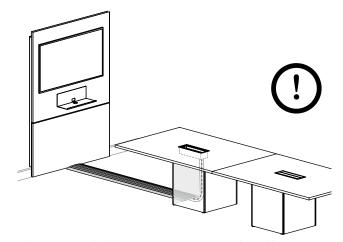
NOTE: It is recommended to not run the Floor Cable Cover **under** the Media Wall or Metal Table base. It will **not** open properly



Floor Cable Cover with Wrap Around Cable Manager A Floor Cable Cover can be used in combination with Wrap Around Cable Manager (BLWAC) to manage cable from Floor Cover to Worksurface



It is recommended to use the Wrap Around Cable Manager when the cables are exposed, like in the case of the cable is going straight from the cover to the worksurface



The Wrap Around Cable Manager is **not** necessary when cables are completely out of range from the user, like when the cables pass through a table base

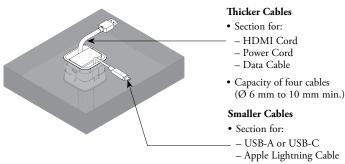
• Can be specified separately on worksurfaces or wall panels (if applicable)

• Can also be specified as an option on worksurfaces or wall panel. The surface will come with pre-drilled holes for easy installation on-site

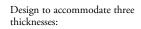


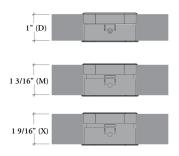
Duo Grommet – Square (BLGQX)

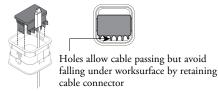
- All surfaces with Square Cut-Out are ready to receive a Square Grommet if needed
- Cover can be locked in place with wood screws (not included)
- Finishes: Cover and rings are available in Foundation, Accent or Mica colors
- **Duo Square Grommet Application**



• Capacity of five cables (Ø 3 mm to 6 mm max.)





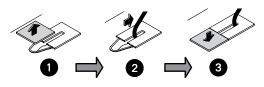


They are interchangeable between them



Rectangular Grommets (BLGC) Finishes:

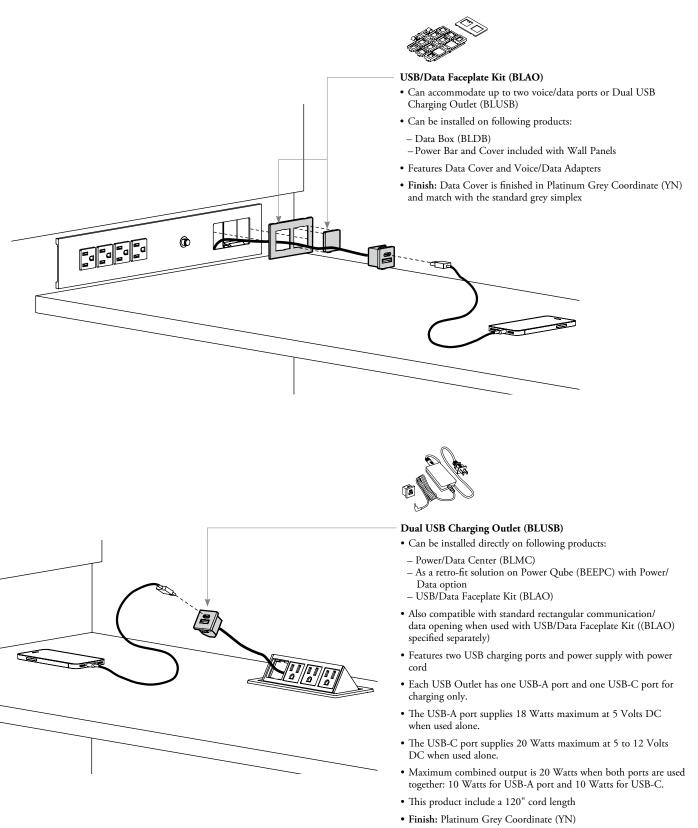
- Cover finish is available in Foundation, Accent or Mica colors
- Rectangular Grommet Ring is finished in Ebony only
- Rectangular Grommet Applications:





Elliptical Grommets (BLGE)

- Are available in the same styles/thicknesses (D, M, X) than the worksurfaces
- Finishes: Foundation, Mica or Source Laminate (Wood Prints only colors)



Compatible for charging phones, tablets and USB-powered devices