understanding cerebro

Adjustable work tools such as sit/stand stations optimize the user experience while working. The seated work posture is the primary focus of most adjustments made. However, when using height-adjustable tables, task lighting and monitor arms, they require secondary adjustment when moving from the seated to standing work posture.

Cerebro passively connects and adjusts these work tools. Cerebro has multiple settings to accommodate as many user sizes and preferences as possible.

Cerebro is an enhanced combination of the Navigate Height-Adjustable Base and Worksurface, Swerv Monitor Arm and Sanna Lightbar.

When Cerebro is integrated into a product it is noted with "IC".

Navigate Height-Adjustable Freestanding Table Base Only IC includes a specific version of the Display Toggle switch with Cerebro programming and a control box to allow for the additional capabilities of Cerebro.

Rectangular Height-Adjustable Worksurface with and without Radius Corners for Navigate IC include a specific center grommet cut out.


1 Navigate Height-Adjustable Freestanding Table Base Only IC

2 Rectangular Height-Adjustable Worksurface with Radius Corners for Navigate IC (WJC)

3 Swerv IC
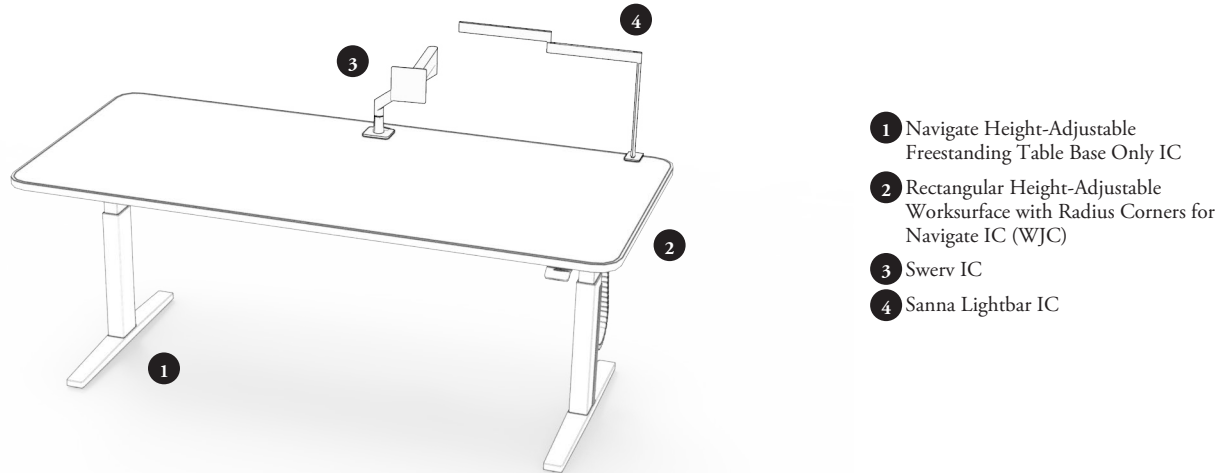
4 Sanna Lightbar IC

Sanna Lightbar IC lets the user establish their preference for the amount of light they want on their worksurface and sets this value using Lumistat™. Lumistat™ acts as a thermostat for the amount of light output of the Lightbar IC. Sanna Lightbar IC senses the amount of ambient light and provides the required amount of light output to match the amount selected. As the workstation gets closer to, or further away from, overhead lighting via sit/stand working, the Lumistat™ value will be maintained as the Lightbar IC automatically adjusts light output to provide a consistent visual user experience.

Swerv IC is designed to be used with a specific Cerebro version of the Navigate electric height-adjustable table. The system uses a Linak electric linear actuator system inside and the Teknion-specific custom digital toggle switch. The user sets their "delta" – the difference in eye to typing height between seated and standing – then the monitor arm will automatically adjust this delta when transitioning between seated and standing work.

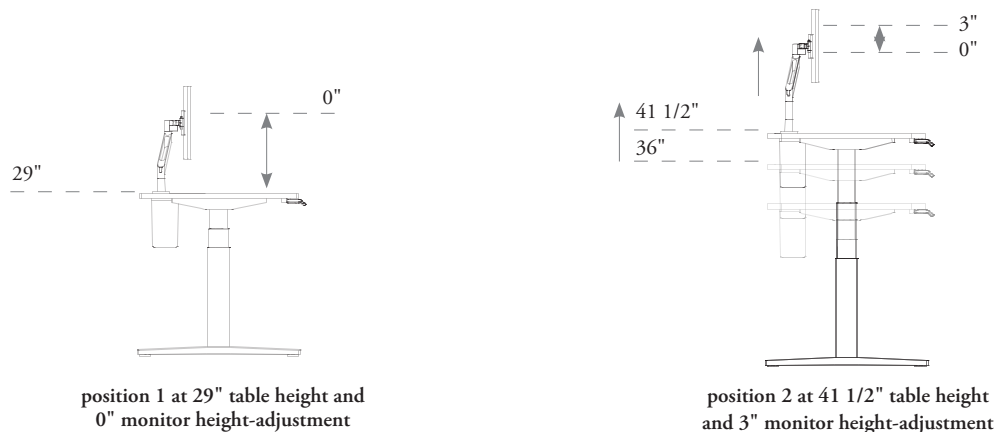# understanding cerebro (continued)

adjusting monitor arm

The sit and stand border for Integrated Cerebro to become active is 36". From the minimum height of 22.6" to 36" height is considered a sitting posture and from 36" to 48.7" height is considered a standing posture for Integrated Cerebro. The user can set the desired height manually for the monitor in the sitting posture. This height will be considered 0" or base height for Swerv IC. When the table height crosses over 36", the Integrated Cerebro activates.

Integrated Cerebro at seating position

Integrated Cerebro at standing position
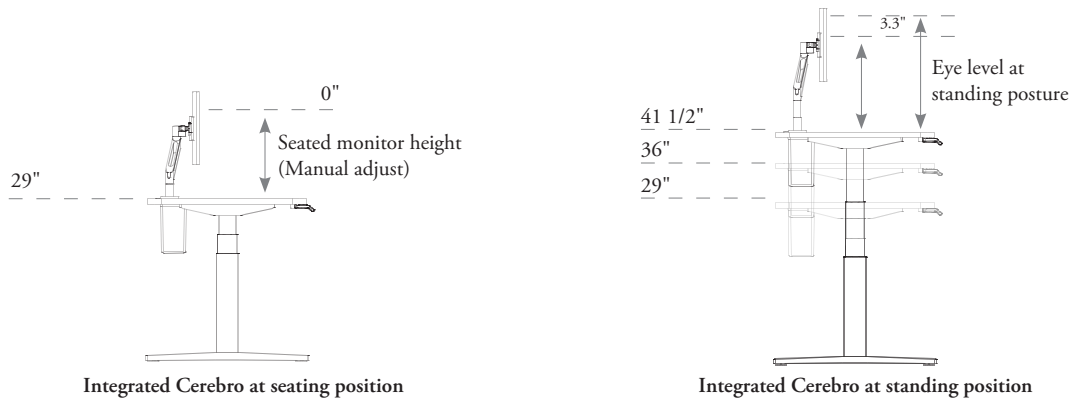
When moving the table back down to 29", the monitor will not move back to base height until the table moves below the 36" sit and stand border height. Integrated Cerebro can store up to four memory settings for the monitor height. The monitor height-adjustment only works with memory settings, and it always links to a table height dimension. For example, the user can set 3" height-adjustment for 41" table height. In this case, if user adjust the desk height to be 41", the monitor automatically adjusts it height to the eye level. User can also select this position from the memory settings of the display toggle switch.

**Scenario 1: Moving to stored memory settings:**

When moving the desk from position 1 to the saved position 2, the switch will reference the next memory setting (in this case position 2) and start moving the monitor after the 36" border. This is to ensure that when the table reaches the 41 1/2" height, that the monitor is working towards it's 3" setting. If no memory setting above 36" is saved, monitor will not move from the zero position.
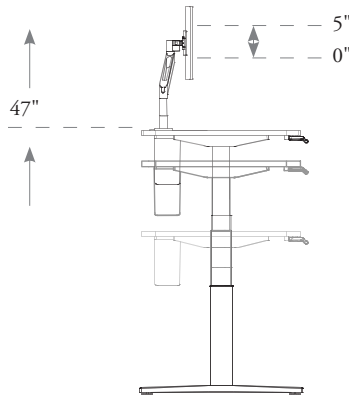
position 1 at 29" table height and
0" monitor height-adjustment

position 2 at 41 1/2" table height
and 3" monitor height-adjustment

understanding cerebro (continued)

Scenario 2: Moving between two different memory settings:

When moving the desk from one standing height memory setting, position 2, to another memory setting, position 3, the switch will reference the next memory setting and start moving the monitor right away. This ensures when the table reaches 47", the monitor is working towards it's 5.0" setting. When moving the desk to return to the original standing height, position 2, switch will reference the next memory setting and start moving the monitor right away. This is to ensure that when the table reaches the 41 1/2" height, that the monitor is working towards it's 3.0" setting. If no memory setting is set above or below the standing height, the monitor will remain in that position (unless desk is moved below 36"h)
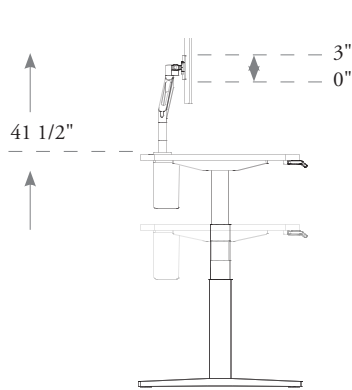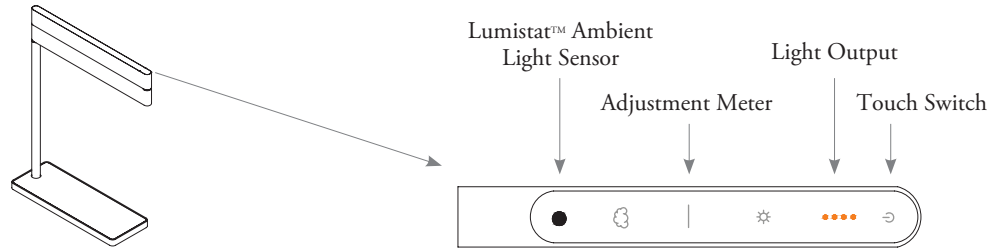
Position 2 at 41 1/2" table height
and 3" monitor height-adjustment

Position 3 at 47" table height and
5" monitor height-adjustment

understanding cerebro (continued)

light adjustment for cerebro

Lumistat™ Ambient Light Sensor

Light Output

Adjustment Meter

Touch Switch

Scenario 1: increase in ambient light

When user sets the light brightness to 75% using the optical touch sensor it will show three orange dots to represent the brightness. The sensor then reads the ambient light levels and creates baseline reading. No ambient lights are displayed at this point.

When user changes the desk height to standing position, the sensor will detect an increase in ambient light and decreases the light output. The three orange dots remain the same but the ambient display show two white dots towards the sun indicating an increase in the ambient light.

**Scenario 2: decrease in ambient light**

When user sets the brightness to 50% using the optical touch sensor it will show two orange dots. The sensor reads ambient light level and create baseline reading. No ambient lights are displayed at this point.

When user changes the desk height to seating position, the sensor will detect a decrease in the ambient light, and increases the light output. The two orange dots remain the same and the ambient display show one white dot towards the cloud, indicating a decrease in ambient light.

cerebro basics

Cerebro is an enhanced combination of Navigate Height-Adjustable Base, Navigate Height-Adjustable Worksurface, Swerv Monitor Arm and Sanna Lightbar.
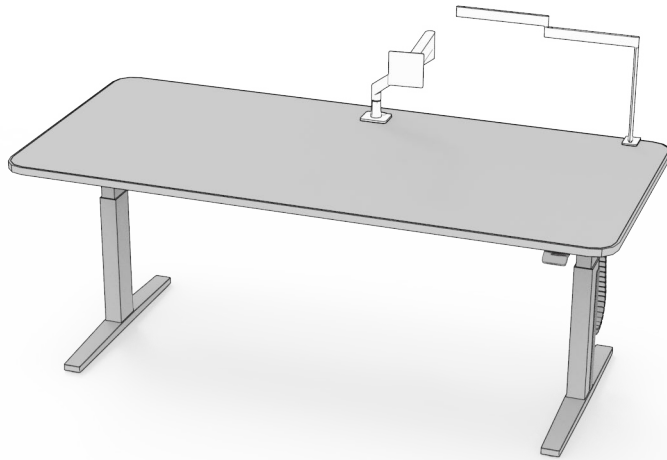

Cerebro Finishes

- Worksurface Finish:
  - Source Laminate, Foundation Laminate, Flintwood, Natural Veneer

- Base Finish:
  - Foundation, Mica. Accent colors

- Switch Styles:
  - Display Toggle with Memory and Navigate GPS

- Switch Finish:
  - Anthracite, Platinum, Crisp Grey

- Vertical Wire Carrier Finish:
  - Ebony Coordinate, Platinum Coordinate, Very White Coordinate

- Cable Organizer with Felt Cover:
  - Grey Felt
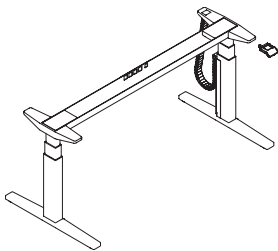
Navigate Height-Adjustable Freestanding Table Base Only IC (YCH)

- The table base size is determined by the size of the worksurface it is used with Depths (to work with worksurface depth)
  - 29", 35"
- Width (to work with work-surface width):
  - 40", 46", 52", 58", 64", 70", 76", 82"
- Leg Styles:
  - T Leg
- Base Mechanism
  - Extended Range Electric-Extended Height (22 3/5"- 48 7/10")
- Switch Style
  - Display Toggle with Memory and Navigate GPS
- For this base Vertical Wire Carrier is included. Cross Channel Integrated Power Bar and Undersurface Cable Management option available if specified, with the following restrictions:
  - Cross Channel Integrated Power Bar (I) not available with surface widths 40, 46, 52, 58
 - Cable Organizer with Felt Cover not available with surface width 40
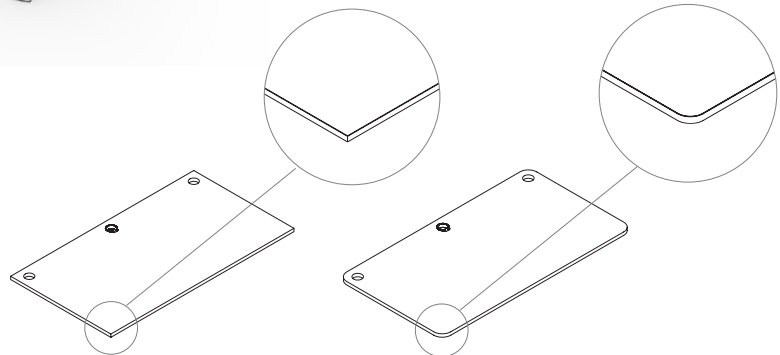
Rectangular Height-Adjustable Worksurface for Navigate IC (WBC)

Rectangular Height-Adjustable Worksurface with Radius Corners for Navigate IC (WJC)

- Worksurfaces are available in two styles
  - Rectangular
  - Rectangular with Radius Corners
- Dimension: All dimensions are actual sizes to allow for proper gapping between worksurfaces, panels, storage, etc
- Depths:
  - 29" 35"
- Widths:
  - 40", 46", 52", 58",64", 70", 76", 82"
- Cut Out Styles for grommets:
  - None
  - Round (2-3/4" diameter)
  - Rectangular (Diamond Shaped Cut Out)
- Cut Out location for grommets:
  - None
  - Left
  - Right
  - Left and Right

cerebro basics (continued)
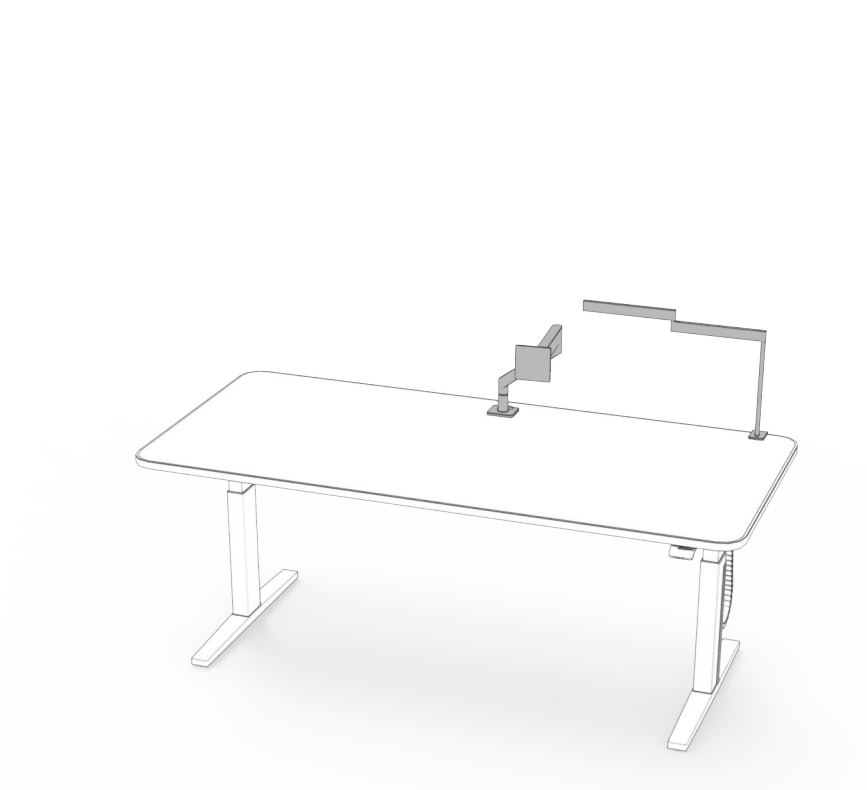
Cerebro Finishes

• Sanna Lightbar IC Finish:
  - Mica: Crisp Grey

• Swerv IC Finishes:
  - Anthracite, Platinum, Crisp Grey

Swerv IC (YMSZ)

• Swerv IC is designed to be integrated with Cerebro through a fully adjustable single dynamic arm
  - Total monitor height-adjustment range of 16"
  - Arm height-adjustment range of 10"
  - Additional secondary electric height-adjustment up to 6"
  - Supports monitors between 5-12 lbs with the arm
  - Focal adjustment of 18",
  - Tilt adjustment of 135°
  - Swivel adjustment of 360°
• Includes:
  - Single Dynamic arm
  - Grommet mounting style
  - Height-adjustable electric actuator with cover
  - 75/100 quick release VESA plate
  - Monitor mounting hardware
  - Arm and reach integrated wire management

Sanna Lightbar IC (YLSC)

• The Sanna Lightbar IC is designed to be integrated with Cerebro and it automatically adjusts with ambient lighting
  - Adaptive light that responds and changes according to ambient light
  - Light will remain at a constant set brightness
• Base Style:
  - Freestanding
  - Edge Clamp
  - Thru Mount
• Insert Style:
  - Heather Felt and Fine Grain for freestanding base style
  - No insert style for freestanding edge clamp and thru mount base style