

Alvar Lite - Data Sheet

Alvar-LITE is a range of height-adjustable desks, designed to cater for both sitting and standing use; a freestanding desk that can be used on its own or with other Herman Miller products. Alvar-LITE will suit everyone. The workstation adjusts from 650 to 1250mm, meaning it complies with the BS EN ISO 527 standard.

Having the benefits of height adjustment does not mean having to compromise when it comes to weight requirements. The Alvar-LITE desk is designed to accept an even load of up to 90 kilos, and the mechanisms are hidden away so there's plenty of leg room for the user.

The under-structure is of a steel construction finished in powder coat. The product is a construction comprising of leg column and welded frame assembly, foot assemblies and hardware pack (screws and bolts). The drive shaft comes already assembled into the leg frame assembly for the crank height adjustable offering and also for the electrically adjusted product.

There are three methods of height adjustment. Desks can be adjusted by use of a leg pin, by crank handle or electrically by the user.

The height adjustment range afforded by each option is as follows:

Fixed - 730mm(h)
Pin - 650-900mm(h) (in 25mm increments)
Crank - 650 - 900mm(h)
Crank Sit to Stand - 650-1250mm(h)
Electric - 730 - 1150mm(h)
Electric Sit to Stand - 650-1250mm(h)

The electrically-operated control is a smooth and easy way to take the desk between heights at the touch of a button. It is quiet and unobtrusive as well as being quick. At 40mm/second you won't wait long for a new working position.

Desks are available in an extensive collection of different top shapes and sizes, with a 25mm(d) square edge detail, all finishes designed to coordinate with Herman Miller ranges. The under-structure for the electrically height adjusted desk requires a safety gap around the desk of 25mm. With options to add AE beam kits giving you use of AE accessories and screens and cable wire management is available both horizontally and vertically.

Benefits

- Large range of height-adjustment
- Intelligent wire management options
- Speed of operation – quicker than most
- Clean aesthetic – with appeal to the architectural community
- Integration with other Herman Miller products (particularly AE)
- Simple to order

Cable management and electrical distribution

The Alvar-LITE desk has solved the conflicting demands of cable management and height adjustability, with the use of a flexible umbilical cord and concealed cable dump. This means cables can be neatly and safely controlled without impeding the adjustability of the work surface.

- Optional products offer intelligent cable management systems for both power and data
- Horizontal cable manager – to route cables from perimeter wall into desk, or desk to desk
- Umbilical cord for transfer of cables from floor boxes
- Power cords and extensions
- Power and data outlets

Ergonomic benefits

The development of height adjustability for desking is guided by the European Standard BS EN ISO 527 (Ergonomic requirements for office work with visual display terminals) that recommends the ergonomic benefits of height adjustable desking. Workplaces which accommodate a range of postures for VDT use encourage movement, promote comfort and reduce physical, mental and visual problems. Many organisations appreciate that ergonomic design can help prevent office-related illness. Using desks that conform to ergonomic standards and promote employee health is a good investment into productivity and staff retention. Where a desk is adjustable, the following heights are recommended:

Sitting 660mm - 770mm

Standing 900mm - 1200mm

Sit-stand 660mm - 1200mm

Vocabulary and finishes

Designed to be aesthetically pleasing, offering high performance and add-on cable management capability. Three methods of height adjustment, with different height ranges:

25mm Work surfaces in styles:

Rectangular

Single Wave

Double Wave

120° Corner Curve

90° Corner Curve

Logistics - lead time for UK orders is 20 days.

Warranty

Alvar Lite is covered by Herman Miller's 12-year warranty, with the exception of the lift motors, which are covered for 5 years, Crank gearing mechanisms 5yr.

Technical data

Alvar-LITE electrically operated models comprise the following elements:

Legs & Feet

The leg column is a two-piece assembly comprising of an outer tube with an inner tube running in plastic bushing. The outer tube is 65mm diameter with a 2mm wall thickness. The inner tube is 60mm diameter with a 2mm wall thickness.

Crank

A lead screw with a medium thread form giving 2mm movement per revolution drives the height adjustable mechanism. Movement is transmitted from leg to leg by means of a gearbox at the top of each leg. The drive shaft is a 6mm hexagon section, the crank handle is retractable it locates at the top of each leg column, and can operate left or right-handed.

- Aluminium
- Laser-cut steel - European Standard for structural steel EN 10027
Steel grade: Mild steel S235jR+AR
- Textured powder coating finish

Electric

- 24v, 3.8 amp max electric motor or crank handle & rod mechanism
- Speed: 40mm/second under load.

Frame

- Finish: clear anodised column with silver powder-coated steel cover plates
- Frame - European Standard for structural steel EN 10027
Steel grade: Mild steel S235jR+AR
- AE beam can be added as an option for screen hanging.

Work surfaces

- Melamine-faced medium-density fibreboard (MDF), 25mm thick with a 2mm square edge

Stability

- DIN/BS standards, including minimum knee space
- Loading 90 kilos

Application guidelines

- For safety reasons, a gap of 25mm must be left around any electrically height-adjustable desk
- Drawer units positioned under height-adjustable desks must be 550mm or less in height
- CPU carriers can be secured to the leg of the desk

Environmental data

98% of the under-structure is made from Steel, worksurfaces are MDF.

The product range uses Steel, Aluminium, Wood and Plastic components. All component items are purchased within EC.

Recycled Steel Steel components are manufactured from various specified grades of commonly available European metals that contain recycled material. Typical recycled content quoted by Corus is 40%. Material: European Standard for Structural Steel EN 10027 Steel grade: Mild steel S235JR+AR (this is a German Norm).

Recycled Aluminium Aluminium components are either die cast or extruded from various specific grades of commonly available European metals that contain recycled material. Typical recycled content quoted by The Aluminium Federation is 73%.

Wood & Recycled Wood Material Wood components are purchased from FSC certificated suppliers. 30% recycled content. MFC is certificated by SGS for FSC chain of Custody. All other wood components are certificated by BM Trada for FSC chain of Custody

Plastics Plastic components are manufactured from specific types and grades of materials with various levels of re-cycled incorporated.