

DIVERSITY[®] CONSOLE

ABOUT DIVERSITY[®] CONSOLE

The ultimate solution for 7/24 durability in demanding environments, the Evans Diversity Console offers a winning combination of modular configuration, enhanced ergonomics, and the leading choice of aesthetic styling in the console industry. This system consists of stackable modules and accessories, which can be assembled in a variety of configurations to suit most control centre applications. The four main subsystems of Diversity (structural frame, equipment mounting kits, exterior panels and console accessories) work together to provide a level of versatility, durability and aesthetics previously only associated with custom crafted cabinetry and not achievable through conventional console construction methods.

DIVERSITY[®] CONSOLE FEATURES

Ease of Reconfiguration. Diversity is re-configurable in many ways, by the dealer or the client, with minimal additional parts. The console can be changed desktop to single-high to double high with minimal add-ons.

Modularity. Flexibility is maximised with basic modular components that combine to create many configurations.

Equipment Fronts. A variety of equipment fronts are available to facilitate the mounting of phones, binders, paper storage accessories, rackmount equipment, control switches and custom equipment.

Extra Durability. Sheet metal components coupled with aluminium extrusions provide toughness and ease of customisation.

Linear tasklighting. A cassette fluorescent tasklighting fixture can be integrated into the valence of any 24 in (610 mm) or 30 in (762 mm) console module. This allows for the user to augment ambient lighting with desktop lighting.

Glare Reducing Optical Glass. Offers a 98% reduction in electrical monitor emissions, as well as glare reduction and contrast enhancement. Optical glass is tempered, offering a high safety factor and clear optics.

Human Factors Based Design. The standard Diversity system is designed to comply with accepted Human Factors of Design and applicable ergonomic standards including ANSI/BIMFA, CSA, and ISO.

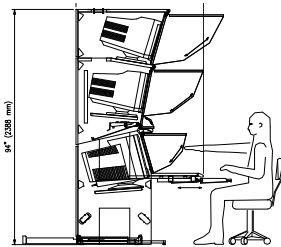
Equipment and Cable Access. Hinged doors and removable equipment fronts offer unlimited equipment access. All monitor and processor shelves are designed with a quick release system to allow for easy removal.

Reduced Depth – Available in Desktop and single high configurations.

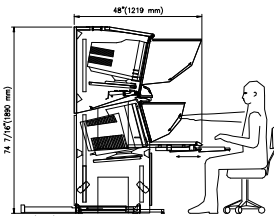
Triple High Modules. The modular versatility of the Diversity console allows for stacking in a triple high design.

Standard Module Dimensions and Configurations

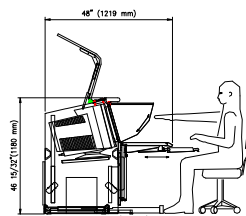
Depth		48 in (1219 mm)
Height	Desktop	28.5 in (724 mm)
	Single High	48.5 in (1232 mm)
	Double High	74.5 in (1892 mm)
	Triple High	94 in (2387.5 mm)
Width		12 in (305 mm), 24 in (610 mm), 30 in (762mm)
	Corners (forward)	15°, 22.5°, 30°, 45° Short corners (30° and 45° are available in long corner option)
Corners (Reverse)		Custom option available on a project determined basis
Mitres		8° and 10°



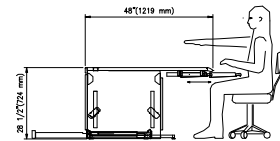
DIVERSITY TRIPLE HIGH



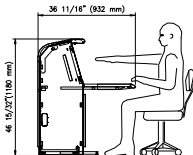
DIVERSITY DOUBLE HIGH



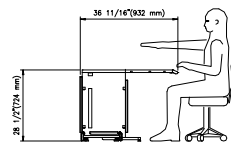
DIVERSITY SINGLE HIGH



DIVERSITY DESKTOP



REDUCED DEPTH DIVERSITY SINGLE HIGH



REDUCED DEPTH DIVERSITY DESKTOP

DIVERSITY⁰ CONSOLE MATERIAL SPECIFICATIONS

1.0 Console Structure

Extrusions (Aluminium Alloy) - The Diversity's base, stringer, valance and grill extrusions are constructed of thick wall, custom extruded aluminium. The extrusion design allows for unparalleled flexibility in the ability to customise or reconfigure the console.

Base Extrusions

- Alloy & Temper: 6063-T54
- Yield strength: 30 KSI (Kips/ Square Inch)
(1 Kip = 1000 lb./ square inch)

- Ultimate strength: 33 KSI

Valance, Grill and Stringer Extrusions

- Alloy & Temper: 6063-T5
- Yield strength: 16 KSI
- Ultimate strength: 22 KSI

Frame Structure

Cold-rolled steel (C.R.S.) is used for structural frame components and sheet metal stringers. These components ensure square, rigid connection of the frame assembly. All surfaces are finished with a durable, Electrostatic Powder Coat application.

- Frame structure 14 Gauge C.R.S.

2.0 Internal Components / Attachments

Frame Support Leg	Material	1 in x ¼ in Thick C.R.S. Flat Bar	
	Finish	Powder Coated	
Worksurface Support Bar	Material	1 in x ¼ in Thick C.R.S. Flat Bar	
	Finish	Powder Coated	
Monitor/Processor Shelves	Material	Fixed equipment shelf:	16 gauge C.R.S.
		Slide-out processor shelf:	16 gauge C.R.S.
		Slide-out tower shelf:	14 gauge C.R.S.
Front Cover	Material	Cover	16 gauge C.R.S.
	Finish	Powder coated	

3.0 Rack Mount Rails

- Front and rear access rackmounts are 19" EIA rack mount rail sets
- Quick release system to allow for easy removal.

4.0 Worksurfaces

The rigid Diversity worksurface is designed to provide a smooth, level work area, while complying with accepted human factor criteria. All ergonomic standards have been taken into consideration; including view/ reach distances, keyboard height, and knee well space. The adjustable worksurface provides further flexibility, allowing for customised height positioning (continuously variable within a 5 in range). Both fixed and adjustable worksurfaces comply with US Federal Government ADA accessibility regulations¹. (Not applicable with undercounter options)

- Materials 1 in particleboard, high-pressure plastic laminate surface
- Static Load 50-lb./ linear ft.
(MAXIMUM 250 lb. Per surface on Adjustable Worksurfaces)
- Surface to Floor Distance Fixed: 28 ½ in (27 ½ in knee clearance¹)
- Adjustable: 26 in-31 in (Customisable)

¹ Americans with Disabilities Act states that the surface height may be no more than 34 inches and no less than 28 inches above the floor. At least 27 inches of knee clearance must be provided between the floor and the underside of the surface.

- Adjustable worksurface drive mechanism (Optional):

Manual:	Hideaway hand crank
Power:	Electrical Actuator ²

5.0 Surface Finish Options

Diversity worksurfaces are finished with a high-pressure plastic laminate.

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Worksurfaces Nominal Thickness: Thickness Tolerance: Ball Impact Resistance: Radiant Heat Resistance: Wear Resistance: | P-LAM Grade:
HGS (Horizontal, General Purpose)
0.048" in (1.2mm)
± 0.005 in (0.12mm)
50 in (1270mm) - Minimum
125 Seconds – Minimum
400 Cycles – Minimum |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Diversity™ panels are finished with a low-pressure plastic laminate (LPL)³.

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> End Panels: Lower / Intermediate Panels: Top Panels: Single High DO/TR High | 1 in Thermofused Melamine Laminate (LPL)
¾ in Thermofused Melamine Laminate (LPL).
¾ in Thermofused Melamine Laminate (LPL).
1 in Thermofused Melamine Laminate (LPL). |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

6.0 Rounded Polyurethane Worksurface Nosing (Waterfall Nosing)

Evans has developed an extremely durable, highly flexible nosing that allows inside and outside curves.

- Cast polyurethane foam secured over an aluminium extrusion carrier.
- Comfortable and ergonomically sound.
- Allows curved sections with a 14" radius.
- Edge slope and radius spreads the weight over a larger surface. Enhancing end-user comfort.

7.0 Electrical Components

Fluorescent Task Light Specifications

Fixture Length	24" or 30"
Bulbs	Spectralite T8 (F15T8/SL) fluorescent lamp
	Length 18" (including two standard lamp holders)
	Power 15 Watts
	Output 600 Lumens (approx.) - Initial
	Colour Rendition Index 90
	Colour Temperature 5900° Kelvin
	Bulb Life Up to 34,000 hours

Additional tasklight features:

² Space limitations may apply

³ Optional finishes include high pressure laminate, sheet metal and veneer.

- Superior light quality. The Colour Rendition Index (CRI) of 90 is higher than that of the quartz halogen. The higher the CRI the more accurately it portrays colours.
- Continuous linear, rather than point light source allows for better light dispersion onto the work surface and eliminates hot spots.
- High electrical efficiency.
- 90-260 VAC (47-63 Hz)
- Auto Ranging Power Supply
- 3.0 Amp/12V (36 Watts Maximum)

Power Bar (Optional)

Diversity consoles incorporate commercial specification grade TVSS suppression strips where specified.

6 Outlet Suppression Strip (Evans Part #76026)

- Rated: 15Amps – 125 VAC
- EMI/RFI attenuation: -5dB to -40dB @ 100KHz to 30MHz
- UL Listed (Test Requirements: UL 1449), CSA Certified
- Surge Protection: MOV (Metal Oxide Varistor)
- Clamping Voltage (L-N,L-G,N-G): 400V

8.0 Ventilation Fan Specifications (Optional)

Attached to the underside of the Diversity ventilation grill(s), the brushless DC fan unit is used to increase the ventilation process. As the purpose of the fan is to reduce or eliminate the heat build-up created by the internal electronic components (Monitor, CPU etc.), the number of fans used will be job specific. The general logic for frequency of fan placement is as follows:

- 1 Fan per grill on Single-High consoles
- 2 Fans per grill on Double-High consoles
- 3 Fans per Grill on Triple-High consoles

However, individual requirements may dictate a change in the logic. A console housing a greater than normal amount of electronic equipment may require extra fan units, while a grill above a binder box may require no fans at all. Consult with your Evans representative if in question.

General Fan Data 3.62 in x 3.62 in 1.0?in Brushless DC Fan

The 12 Volts DC (Voltage range: 7 – 15V), 1.3 Watts Brushless fan provides extremely quiet operation. It is manufactured with an Incorporated finger guard and is UL, CSA, VDE Listed / Approved. Fan output is 36 CFM @ 0.0?, 27 dBA.

9.0 Available Options

- Under-counter keyboard drawers
- Double high keyboard drawers
- Pencil drawers
- Large monitor Enclosures
- Adjustable Worksurfaces
- Double high and Triple high tiers
- Flat top panels, for use as a monitor shelf
- Corners and mitres
- Under-counter keyboard drawers

- Double high keyboard drawers
- Pencil drawers
- Large monitor Enclosures
- Double high and Triple high tiers
- Flat top panels, for use as a monitor shelf
- Corners and mitres
- Custom Millwork & Options
- Large screen monitor enclosure
- Seismic kit
- Turrets
- Casters
- Corrosive environment upgrades (including stainless steel hardware)
- Anchoring
- Corian worksurfaces
- Gaskets
- Positive pressure consoles for high dust environments
- Trouble lights
- Custom widths
- Height of each (desktop, single high, double high etc) can be adjusted
- Articulating monitor arm
- Upper-level articulating monitor arm.
- Letter tray (painted metal)
- Binder box (painted metal)
- Paper flow manager
- Pen / pencil cup
- Office tray for compartments for small office tools
- Split worksurfaces for adjustability
- Fabric walls
- Privacy panels
- Monitor arrays
- Layout transitions
- Overhead mobile pods
- Monitor arms off end panels
- Gus Keyboard Trays
- Stretched depth
- Plexi-glass inlays
- Stretched height modules
- Rear lower internal binder storage
- Recessed Duplex End panels
- Cable Grommets
- Phone shelves
- Articulating phone arms
- 2 and 4 point rackmount kit