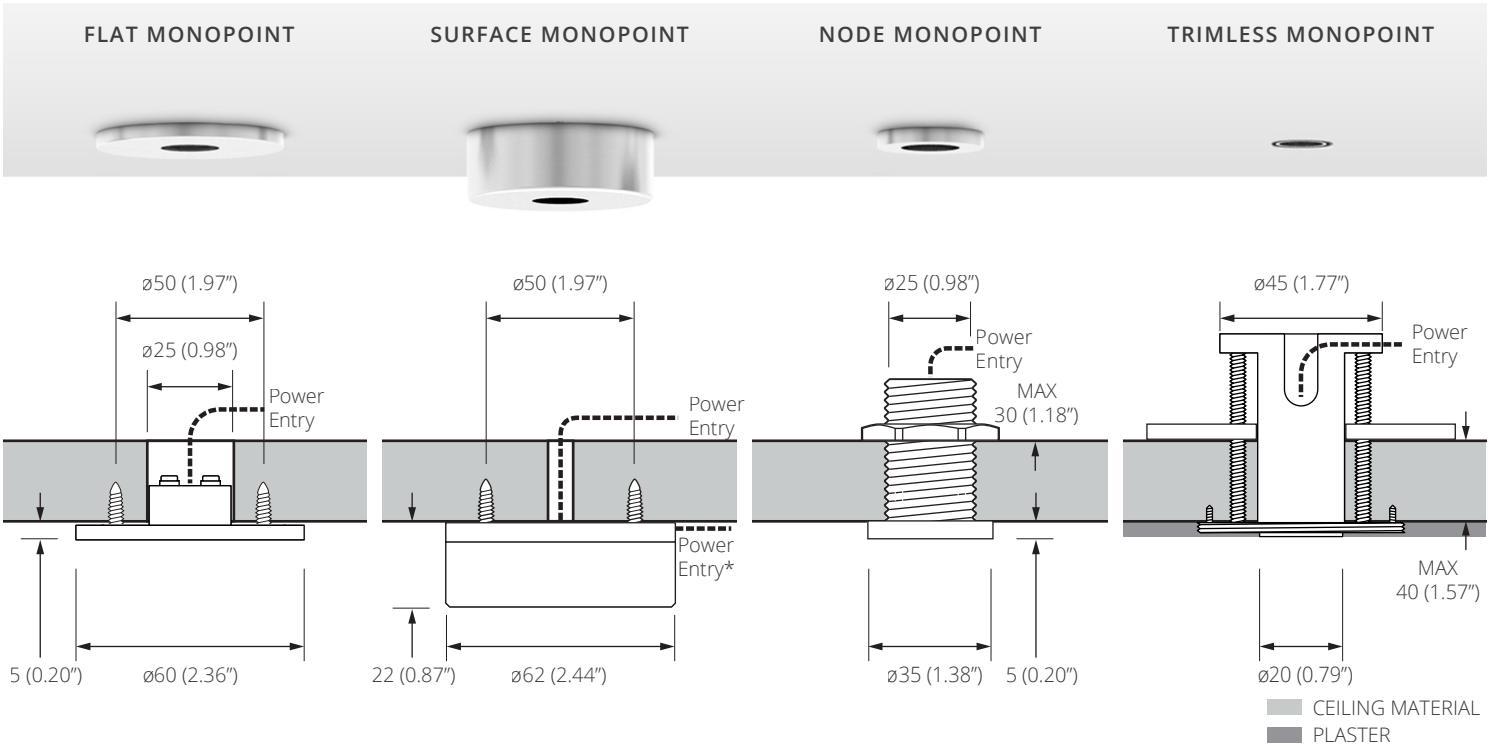
MONOPOINT MOUNTING OPTIONS

FOR 24V JACKPLUG COMPATIBLE LIGHTS

MOUNTING SYSTEMS



OVERVIEW

Our proprietary 24V jackplug system allows comaptible lights to mount to any of our 4 monopoints. Each monopoint is designed to suit different mounting scenarios. Our flat and trimless monopoints are suitable for most ceiling installations, the surface monopoint is ideal for mounting onto solid ceilings, whilst our node monopoint is suitable for panel mounting in display cases or millwork where access behind is afforded.

KEY FEATURES

- Multiple mounting options
- Range of finishes
- Plug and play operation with lights
- Parallel wiring (bus wiring)

	Flat Monopoint	*Surface Monopoint*	*Node Monopoint*	*Trimless Monopoint*
Voltage In	24V DC	24V DC	24V DC	24V DC
Cut Out Size	25mm (1″)	6mm (0.24″)	25mm (1″)	45mm (1.77″)
Mounting Location	Ceilings / Walls with plenum space	Solid Ceilings / Walls	Panel Mount	Plastered In
Mounting Thickness	Min 6mm (0.24″)	Min 6mm (0.24″)	3-30mm (0.12-1.18″)	6-40mm (0.24-1.57″)
Void Requirement	20mm (0.79″)	-	45mm (1.77″) - Panel thickness	55mm (2.17″) - Ceiling thickness
Material	Machined Aluminium	Machined Aluminium	Machined Aluminium	Machined Aluminium
Notes	-	Field modifiable side entry option	Rear access required for maintenance	Adjustable skim depth
Accessories	Interchangeable Finish Canopy	-	Interchangeable Finish Canopy	Plug | Canopy
Works With	Evo | Retro | Microspot	Evo | Retro | Microspot	Evo | Retro | Microspot	Evo | Retro | Microspot

ORDER CODE

Trim Type		-	Trim Finish	
MPX-02	*Flat Monopoint*		**WH**	*White RAL 9010*
MPZ-01	*Surface Monopoint*		**BK**	*Black RAL 9005*
MPY-05	*Node Monopoint*		**AL**	*Brushed Aluminium* [2]
MPS-01	*Trimless Monopoint* [2]		**RB**	*Rubbed Bronze* [1]
			PB	*Polished Brass* [1]
			SB	*Brushed Brass* [1]

ACCESSORY ORDER CODE

Accessory		-	Trim Finish	
MPS-02	*Flat / Trimless Canopy*		**WH**	*White RAL 9010*
MPY-04	*Node Canopy*		**BK**	*Black RAL 9005*
MPS-03	*Trimless Plug*		**AL**	*Brushed Aluminium*
MPS-04	*Flat Solid Canopy*		**RB**	*Rubbed Bronze* [1]
			PB	*Polished Brass* [1]
			SB	*Brushed Brass* [1]

Notes

[1] Premium & custom finishes are built to order, subject to an extended lead time.

[2] Trimless monopoint is always Brushed Aluminium finish as it is concealed by plaster

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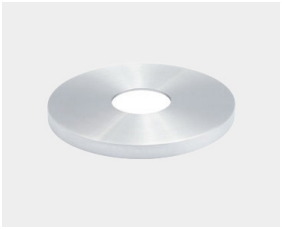
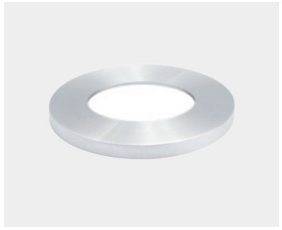
ACCESSORIES

Accessories are available for the various monopoints. Those with removable trims (flat and node monopoint) can have their finish changed in the field. The trimless monopoint can use the Canopy if it is not plastered in place.

Accessories



Flat Canopy
Flat | Trimless Monopoints
Order Code
MPS-02-*Finish*



Node Canopy
Node Monopoint
Order Code
MPY-04-*Finish*

Trimless Plug
Trimless Monopoint
Order Code
MPS-03-*Finish*

Flat Solid Canopy
Flat Monopoint
Order Code
MPS-04-*Finish*

INSTALLATION

To ensure consistent dimming performance when using monopoints, it is recommended to use a 4 mm^2 cable. The increased cross-sectional area of 4 mm^2 cable minimizes voltage drop between lights, maintaining consistent brightness levels across the entire circuit, especially when dimmed.

Best Practices for Circuit Layout:

1. Minimize Total Circuit Length:
   - To reduce voltage drop, the total length of the lighting circuit should be kept as short as possible.
2. Close the Loop:
   - Arranging the circuit in a U-shape, L-shape, or ring configuration (by joining the first and last lights) helps to balance voltage distribution.
   - This technique effectively reduces voltage variation between lights, promoting uniform brightness.
3. Wiring in a Ring:
   - Creating a ring circuit allows current to flow from both ends, significantly reducing the impact of voltage drop along the line.
   - This approach is especially beneficial in larger installations or where long cable runs are unavoidable.
4. Positioning the Power Supply:
   - Place the power supply as centrally as possible to reduce voltage drop to the furthest points.
   - Consider using multiple supplies for larger installations to maintain consistent voltage.

By following these guidelines, you will achieve more uniform lighting output, especially during dimming, ensuring a consistent and professional installation.

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