

FUTURA MONORAIL TRACK LIGHTING SYSTEM

Futura Monorail is a 12V 25Amp (300W) track lighting system which can be cut to length, joined indefinitely, bent into a particular shape and can run a multitude of different halogen spotlights, and glass pendants.

The track and all components are metallic silver in colour.

TRACK:

The track (**MR401-200**) is constructed of two extruded aluminium tubes (one to run phase power, the other to run neutral power) joined together by a strong adhesive insulating material.

The track is only sold in 2m lengths, however we can cut it to length, join multiple lengths together and even bend the track to a desired curve.

TRACK BENDING:

At a small extra cost the track can be bent into almost any shape to curve around a wall, highlight a bar or table, or form a circular or elliptical pendant. In order to achieve this we require you to supply a template or detailed dimensions such as the radius of the curve required.

TRACK JOINERS:

Although any one circuit can only have up to 25Amps (300W), long systems can be made up of multiple adjoining circuits by using no power joiners denoted by the suffix "K" in the code.

Similarly, a multi-length system consisting of only one 25Amp (300W) circuit can be made by using power joiners.



POWER FEED OPTIONS:

First you need to establish whether you will be using a surface mount transformer (visible on the surface of the ceiling or wall), or a remote mount transformer (i.e. inside the ceiling cavity, inside a cabinet, etc). If you are going to have a 12V circuit longer than 2m then you need to use a wirewound transformer instead of an electronic transformer due to radio interference regulations.

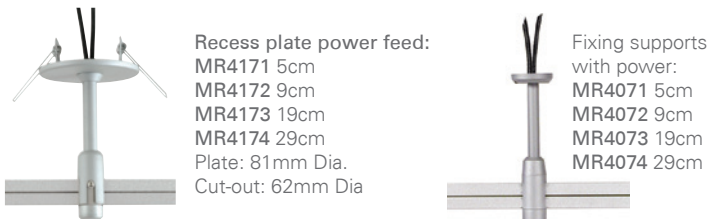
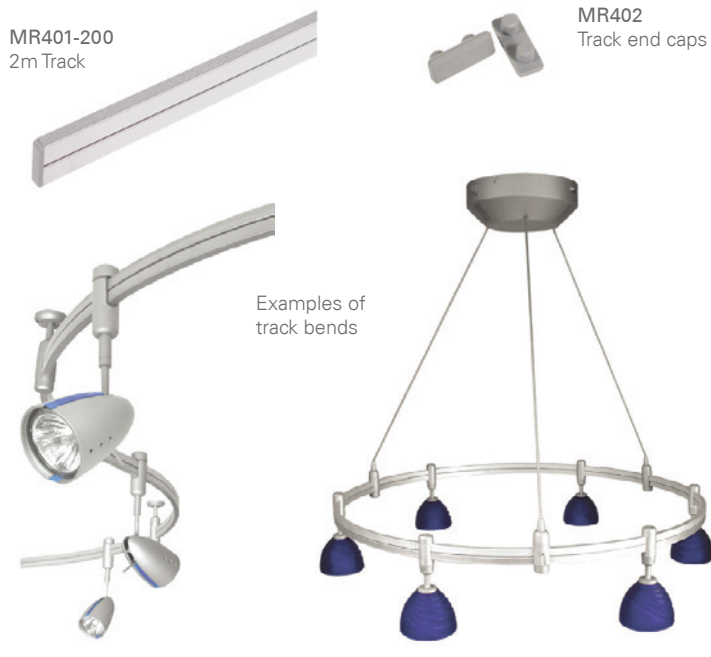
Assuming you are using a wirewound transformer you will only be able to remote mount it if your electrician can get up into your ceiling cavity, or can hide it in a cupboard or behind a pelmet, due to the large size of wirewound transformers.

If you are not able to remote mount your wirewound transformer - we have an **MR457 surface mount toroidal transformer box** which is designed to be aesthetically pleasing and match the rest of the Futura system.

If your 12V circuit is not longer than 2m, then you can choose to use an electronic transformer, which can either be surface mounted inside the **MR457 surface mount electronic transformer box**, or remote mounted inside the ceiling space. Even if your ceiling space is not accessible - you can make a 62mm diameter cut-out in your ceiling around your 230V power feed, connect up an electronic transformer, insert the electronic transformer into the hole and use the **MR4171 recess plate power feed** to supply power to the track whilst covering the 62mm hole.

For remote mount transformers, you may use an **MR4071 fixing support with power** to bring both phase and neutral power down to the track. Of course you will require one power feed for each circuit.

If you have a transformer hidden in a pelmet or in a cabinet and you want the end of the rail to butt hard up to the pelmet/cabinet, then you can use the **MR447 rail end power feed**. Please note - this component is only rated to 16Amps (200W). For other short distances the **MR407P live power feed** can be used. For longer distances (up to 2m) the **MR407-2M live power feed** can be used. If you need a power feed longer than 2m, then you can extend the MR407-2M by removing the plastic conduit, soldering on an extra length of 25Amp cable, insulating the joins, and fitting a longer length of plastic conduit to suit.



FUTURA MONORAIL TRACK LIGHTING SYSTEM

FIXING SUPPORTS WITHOUT POWER:

MR4061 fixing supports (no power) can be used to support the track. We recommend at least one support per metre of track. So, if you have a 2m length of track - you will need 3 supports: one at each end and one in the middle (one of which may or may not be a fixing support with power feed e.g. MR4071). If you have 4m of track - you will need 5 supports, etc.

If you wish to suspend your track further from the ceiling (than the longest 29cm fixed support) then you can use the MR410 suspension cable which allows you to drop the track up to 2m. In this situation, you will need the MR407-2M 2m power feed to bring the power down from either a remote mount transformer, or a surface mount transformer.

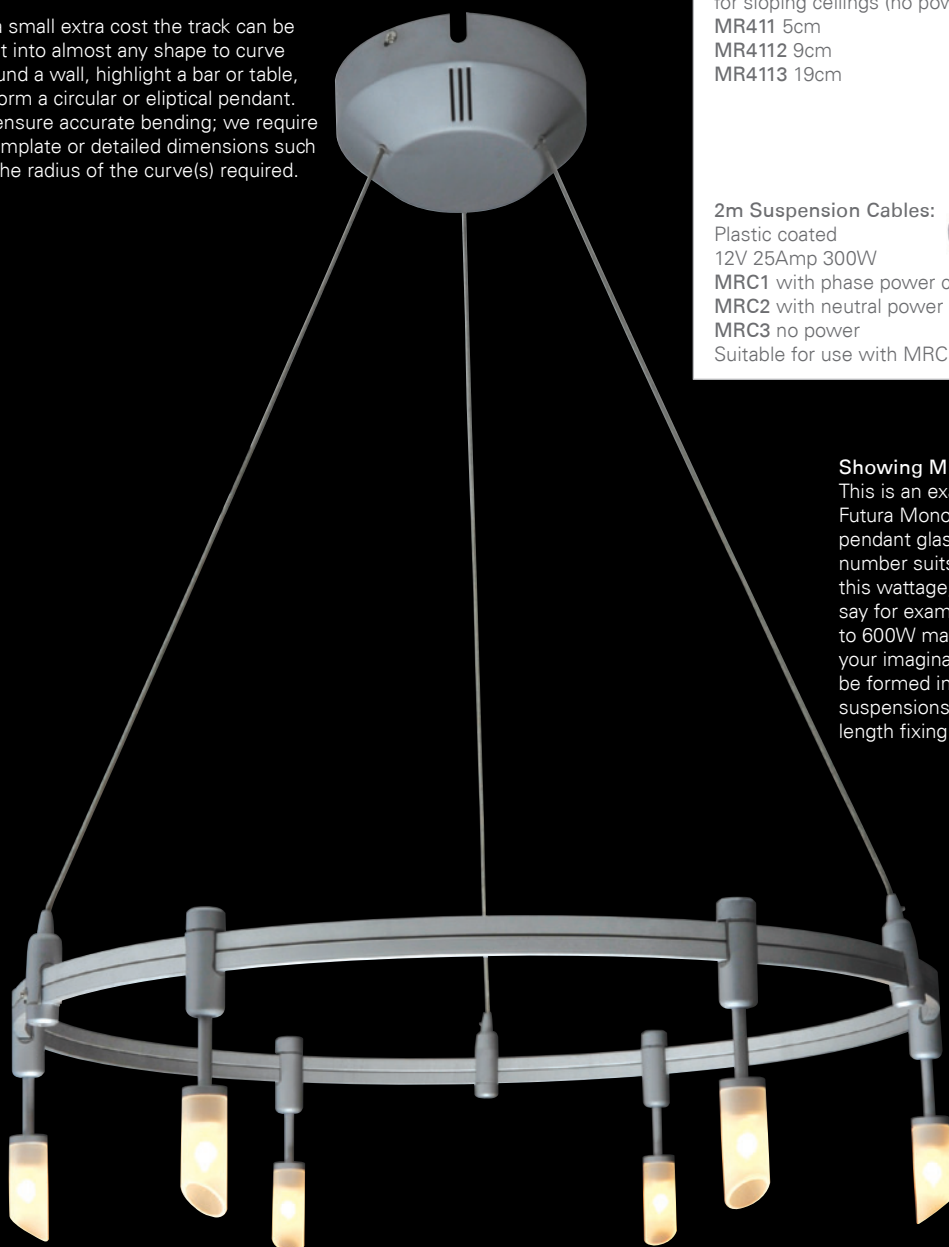
If you have a sloped ceiling from which you are suspending your track, you can either use the aforementioned MR410 cable suspensions, or you can use the MR411 sloped ceiling support.

If you would like to mount the track on a wall, you must use the MR409 wall fixing support.

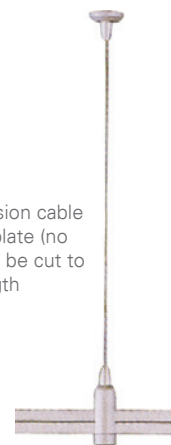
If you would like to have a circular pendant suspended from a central ceiling plate, then you can use a combination of MRC1 suspension cable with phase power and MRC2 suspension cable with neutral power and MRC3 suspension cable (no power). The MR457 surface mount toroidal transformer box serves as the ceiling plate with holes drilled in it to accommodate the MRC cables.

If you wish to use the MRC cables for some other pendant design, we have an MRC Fixing Plate which you can use to secure the cables to the ceiling.

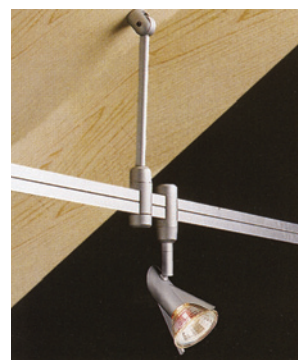
At a small extra cost the track can be bent into almost any shape to curve around a wall, highlight a bar or table, or form a circular or elliptical pendant. To ensure accurate bending; we require a template or detailed dimensions such as the radius of the curve(s) required.



Fixing supports (no power):
 MR4061 5cm
 MR4062 9cm
 MR4063 19cm
 MR4064 29cm



MR410
 2m Suspension cable with fixing plate (no power). Can be cut to desired length



Fixing support with adjustable knuckle for sloping ceilings (no power):
 MR411 5cm
 MR4112 9cm
 MR4113 19cm



MR409 (no power):
 Wall fixing support
 Arm length: 285mm



2m Suspension Cables:
 Plastic coated
 12V 25Amp 300W
 MRC1 with phase power contact
 MRC2 with neutral power contact
 MRC3 no power
 Suitable for use with MRC Fixing Plate



MRC Fixing Plate
 To fix MRC1/2/3 cable suspensions
 Plate: 33Dia

Showing MR1761/457-300/CIRC:

This is an example of a pendant which can be made up using the Futura Monorail System. A variety of different colour and shape pendant glasses or spotlights can be attached using whatever number suits your requirements up to a total of 300W. Above this wattage, two circuits can be formed using no-power joiners, say for example, on a larger diameter circle, increasing the load to 600W maximum. Any design can be created, limited only by your imagination, or the customers requirements. The circle can be formed in varying diameters and can be suspended on cable suspensions or surface mounted with a selection of four different length fixing supports.

FUTURA MONORAIL 12V REFLECTOR LAMP SPOTLIGHTS

Architectural lighting Metallic silver finish

Micro
Swivel arm
MR1638
MR16 50W

Micro 10cm
Flexi-arm
MR16381
MR16 50W

Turbo 30cm
Flexi-arm
MR17003
MR11 35W

Comet
Swivel arm
MR1703
MR16 50W

Comet 30cm
Swivel rod
MR17033
MR16 50W

Comet 60cm
Swivel rod
MR17036
MR16 50W



Flips Swivel arm
MR1711-WH
White strip
MR16 50W

Flips Swivel arm
MR1711-BL
Blue strip
MR16 50W



1751M1 Flips Wall / Ceiling Light
Blue or white strip
230V JDRC GU10 50W
10cm Arm
Fixing area: 80 x 90

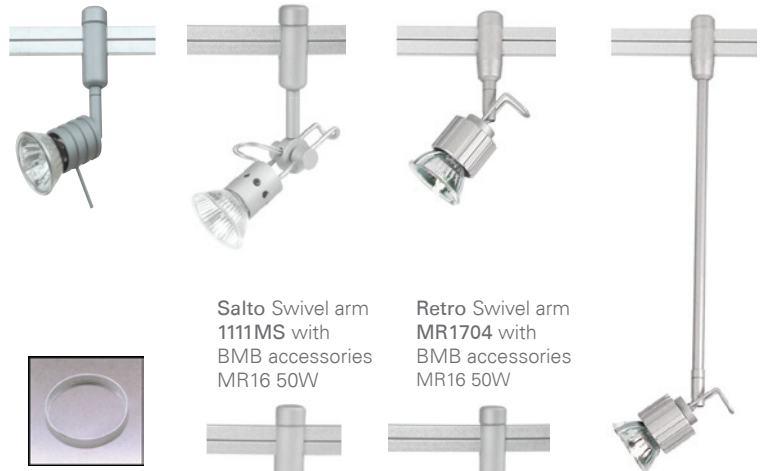


Vetro Swivel arm
MR1708
MR16 50W

Salto Swivel arm
1111MS
MR16 50W

Retro Swivel arm
MR1704
MR16 50W

Retro 30cm Swivel rod
MR17043
MR16 50W



Retro/Salto MR16
Accessories:



BMB001
Mesh cover



BMB002
Ring

Salto Swivel arm
1111MS with
BMB accessories
MR16 50W



Retro Swivel arm
MR1704 with
BMB accessories
MR16 50W



FUTURA MONORAIL 12V FIXED ROD GLASS PENDANTS

Architectural lighting Metallic silver finish

Ergon Fixed arm
MR1617 BL
 Frost *blue*
 MR16 50W
 JC 50W
 Glass: 77Dia x 58H



Ergon Fixed arm
MR1617 GR
 Frost *green*
 MR16 50W
 JC 50W
 Glass: 77Dia x 58H



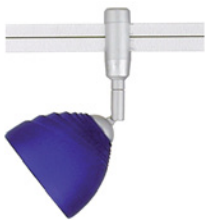
Elipse 30cm Swivel rod
MR16073 BL
 Frost *blue*
 MR16 50W
 JC 50W
 Glass: 77Dia x 58H



Elipse 30cm Swivel rod
MR16073 GR
 Frost *green*
 MR16 50W
 JC 50W
 Glass: 77Dia x 58H



Elipse Swivel arm
MR1607 BL
 Frost *blue*
 MR16 50W
 JC 50W
 Glass: 77Dia x 58H



Elipse Swivel arm
MR1607 GR
 Frost *green*
 MR16 50W
 JC 50W
 Glass: 77Dia x 58H



Rondo Fixed arm
MR1763
 Opal *white*
 JC 50W
 Glass: 58Dia x 60H



Rondo Fixed arm
MR1763
 Opal *blue*
 JC 50W
 Glass: 58Dia x 60H



Martini Swivel arm
MR1620
 Frost *white*
 MR16 50W
 JC 50W
 Glass: 102Dia x 75H



Rico Swivel arm
1102MS
 Frost *white*
 JC 50W
 Glass: 59Dia x 33H

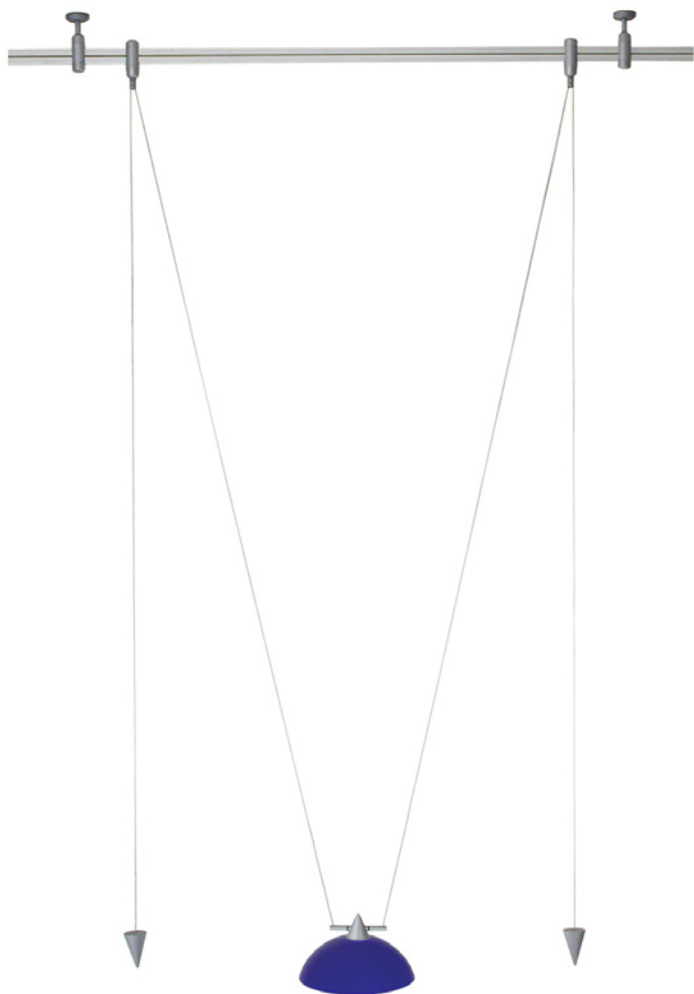


Classic Fixed arm
MR1761
 Frost glass
 JC 50W



FUTURA MONORAIL 12V RISE AND FALL PENDANT

Architectural lighting Metallic silver finish



MRJ1010 Blue
*G10 Glass
12V JC 50W
White and Green glass also available

FUTURA MONORAIL 12V PENDANTS

Architectural lighting Metallic silver finish

Choose from the two track pendant suspensions and the range of glasses below:



P1600 TRK



G10 White, Blue, or Green
Glass: 155Dia x 53H



G14 Blue, White, or Green
Glass: 140Dia x 90H



G24 White, Blue, or Green
Glass: 135Dia x 102H



G50 Green, White, or Blue
Glass: 132Dia x 65H



G68 Marble White, or Marble Blue
Glass: 128Dia x 85H



G72 Marble Blue, or Marble White
Glass: 130Dia x 85H

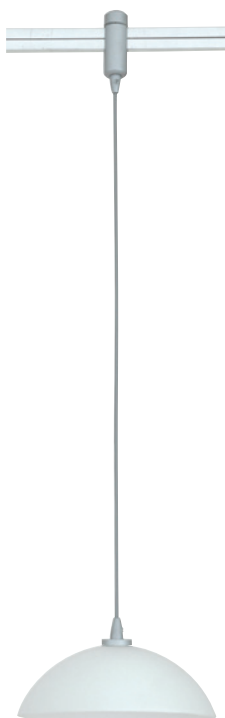


G80 White, Blue, or Green
Glass: 58Dia x 120H

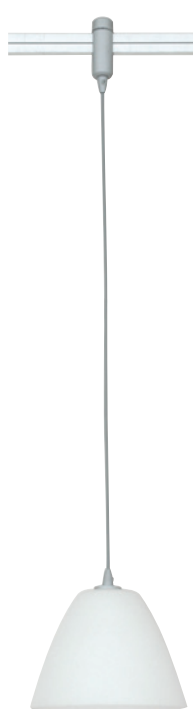


G82 White, Blue, or Green
Glass: 90Dia x 72 H

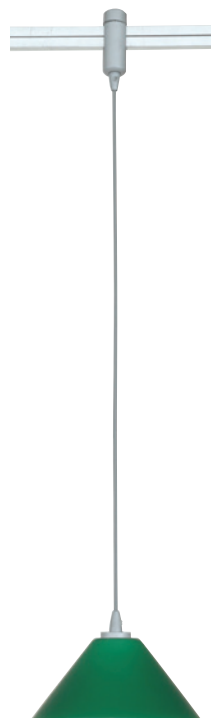
SOME FUTURA MONORAIL TRACK PENDANT COMBINATIONS:



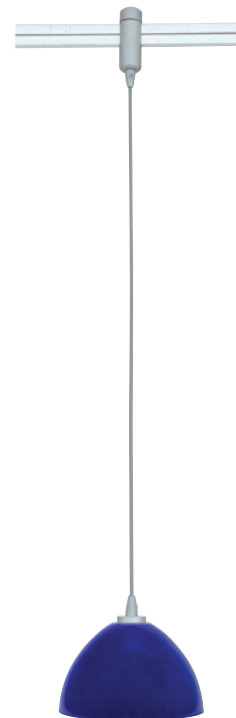
Example: P1600/10/TRK White



Example: P1600/24/TRK White



Example: P1600/50/TRK Green



Example: P1600/14/TRK Blue