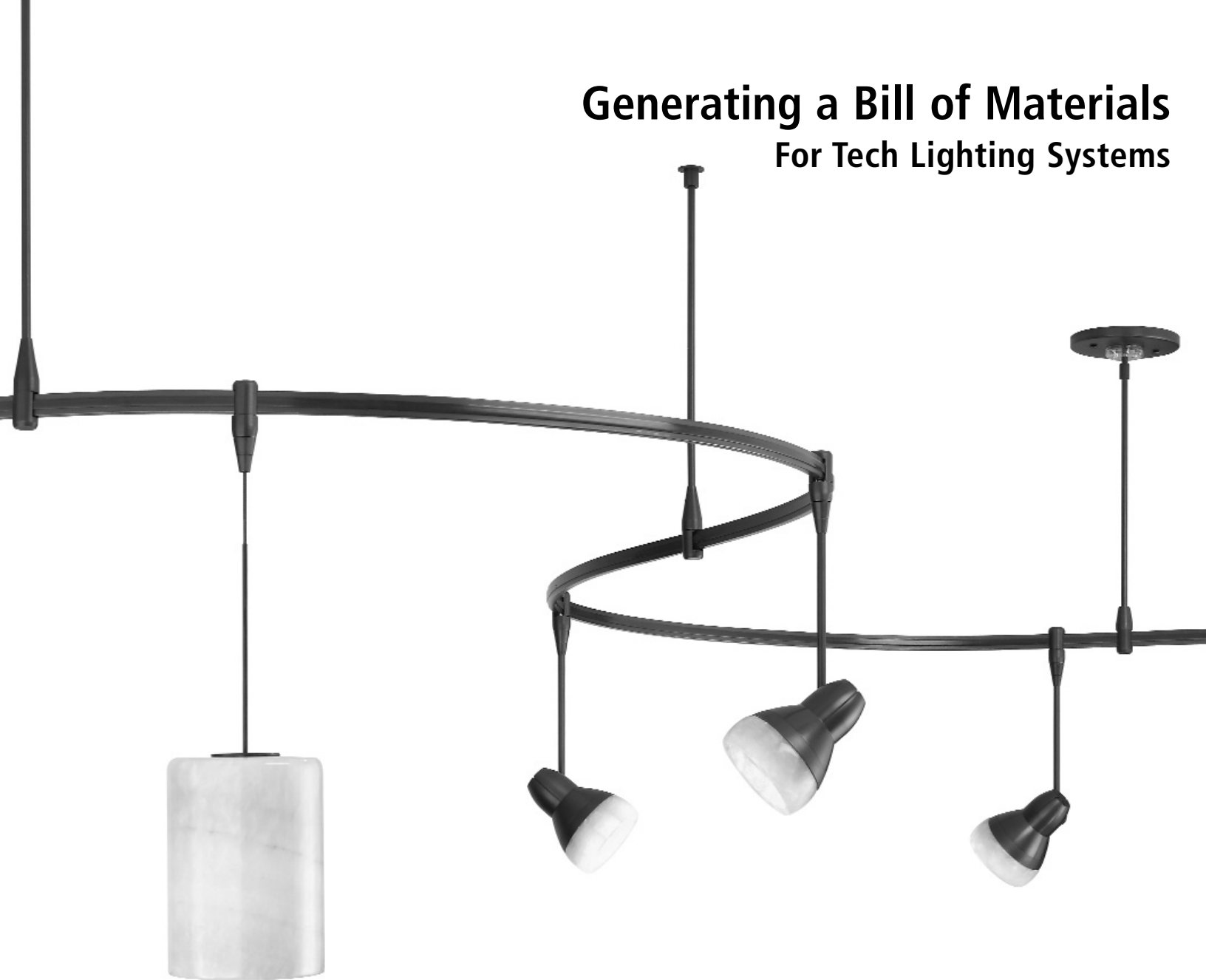


Generating a Bill of Materials For Tech Lighting Systems



Encompass Lighting Group

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CUSTOMER SUPPORT AND QUOTATIONS:

800.522.5315

FAX:

847.410.4500

WEBSITE:

www.encompasslighting.com



921TLBOM09

WHAT IS A BILL OF MATERIALS?

A bill of materials is the list of product item numbers that are required to accurately price and supply a lighting system.

Before you begin, you will need a rough plan of the lighting required for your project or a list of the pieces your client has requested.

Process overview

1. Use the catalog to help you select the appropriate system, elements, and options for your design.
2. Use the layout worksheet to gather information.
3. Use the detailed steps in this booklet to determine the exact item numbers of the products required for the project.

Tools



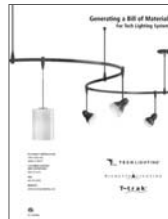
Tech Lighting
Full Line Catalog



Wilmette
Full Line Catalog



T-trak
Full Line Catalog



This Booklet



Layout Worksheet

Additional resources

Your local Encompass Lighting sales representative can provide you with product information and pricing. For the name and phone number of your local rep, visit our website: www.encompasslighting.com.

Also visit our website for technical and product information, including spec sheets and installation instructions.

Our toll-free Quotation and Customer Support Hotline, 800.522.5315 is available Monday-Friday, 8:30 a.m.-5:00 p.m. Central Standard Time.

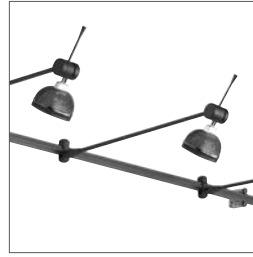
Tech Lighting Systems



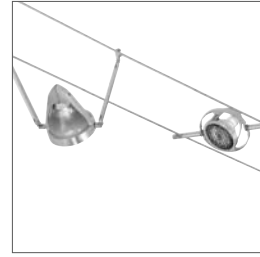
MonoRail
pp. 4-7



Two-Circuit MonoRail
pp. 8-11



Wall MonoRail
pp. 12-15



Kable Lite
pp. 16-19

Wilmette Systems

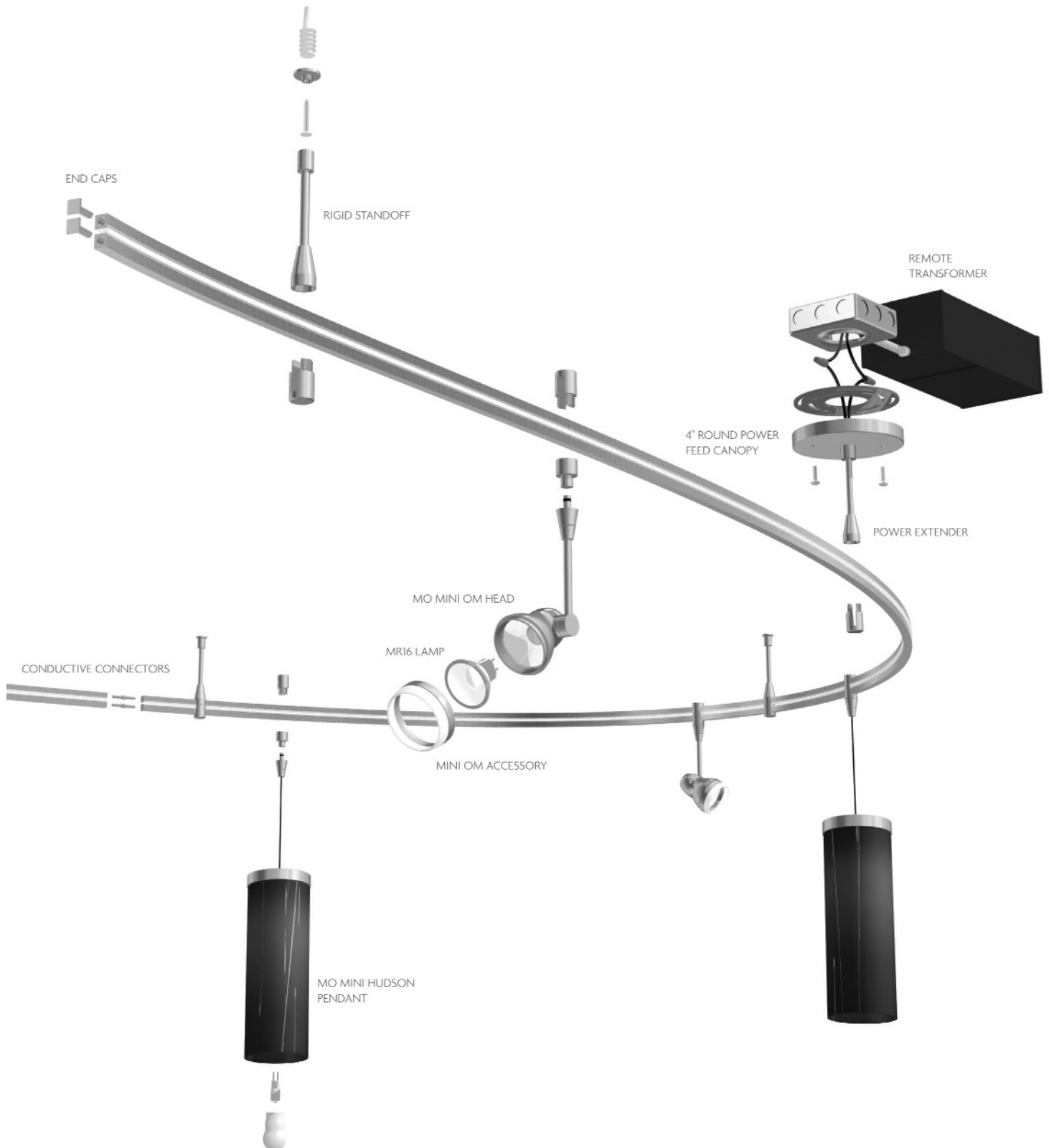


MonoRail
pp. 20-23

T~trak Systems



T~trak
pp. 24-27



Step One: Design Your Tech Lighting MonoRail System

Page numbers below reference the Tech Lighting Full-Line Catalog (921TLFCAT09), unless indicated otherwise.



ELEMENTS (Pendants, Heads, and Functional Art):

Choose elements from product overview (pp. 14-17).

Determine item number(s) (pp. 28-129).

Choose Accessories and Optical Controls, if required or desired (pp. 28-129).

Determine item number(s) (pp. 326-339).

Choose lamps, 12 or 24 volt, that do not exceed maximum wattage of element or accessory (may be included; pp. 28-129).

Determine item number(s) (pp. 340-341).

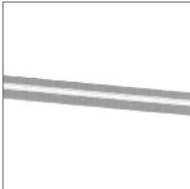
Add up total lamp wattage on system.

_____ watts

FINISH:

Choose finish of system and make sure all components are specified as such.

(Z) ANTIQUE BRONZE
(C) CHROME
(S) SATIN NICKEL



DRAWING:

Use scaled drawing as a reference.

LENGTH:

Measure length of MonoRail run; determine quantity and length of MonoRail pieces required (p. 240).

Specify one pair of End Caps for each open end of run (p. 241).

Determine number of Standoffs, one for every three feet of run.

of standoffs _____

Does the run include a sharp angle or turn?
If so, specify a Flexible Connector to make the turn (p. 241).

QTY. ITEM NUMBER

☐ 700MO _____

☐ 700MO _____

☐ 700MO _____

☐ 700 _____

☐ 700 _____

☐ 300BLV _____

☐ 300BLV _____

☐ 700MOA _____

☐ 700MOA _____

☐ 700MOCCAP _____

☐ 700MOCFXH _____

Would you like the Rail to be custom bent at the factory? If so, please provide the degree and radius of each curve by fax to the quotes department, 847.410.4720, for a quotation.

Step Two: Add Power and Hardware to Complete the System

QTY. ITEM NUMBER

TRANSFORMER **:

Remote Transformer (p. 244)

Choose:

Magnetic or electronic

12 volt or 24 volt

*Output wattage _____

Single or dual-feed

AND

Specify a Power Feed Canopy, single or dual-feed (p. 245).

☐ 700AT _____

AND

☐ 700MOP _____

OR

Surface Transformer (p. 246)

Choose:

Magnetic or electronic

12 volt or 24 volt

*Output wattage _____

Single or dual-feed

OR

☐ 700MO _____

**Wattage of the transformer must meet or exceed wattage of lamps calculated on previous page.*

***If you are using LED heads or pendants, be sure to choose a transformer that is compatible with LED fixtures.*

If powering system with more than one Transformer, add Isolating Connectors (p. 241) to isolate the feeds from each other.

☐ 700MOCINC

If dropping system a distance below ceiling, add one Power Extender (p. 245) to each Power Feed (add two when using dual-feed).

☐ 700MOP _____

MOUNTING:

Select Standoffs (p. 242) that match or exceed drop of the Surface Transformer or Power Feed. Refer to Length section on previous page for quantity.

☐ 700MOS _____

Is the ceiling vaulted? If so, specify one Power Vault Adapter (p. 250) for each power feed (add two when using dual-feed).

☐ 700MOPVLT _____

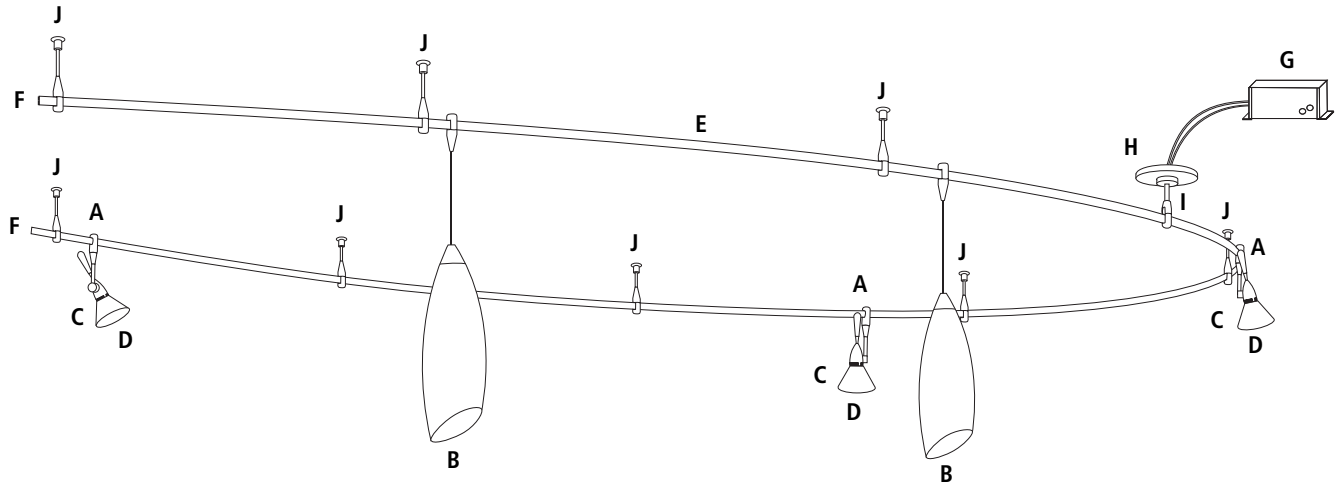
Then specify one Standoff Vault Adapter for each Standoff (p. 250).

☐ 700MOCVLT _____

SPECIAL:

This outline covers only the most common MonoRail applications, but MonoRail can do almost anything. For other MonoRail system options, see Special Installations on (pp. 248-251) of the catalog, or call your local representative or Tech Lighting quotes department (800.522.5315).

Sample Bill of Materials - As seen on p. 93 of the Tech Lighting Full Line Catalog



Item	Quantity	Item Number	Description
A	3	700MOAE3S	MO-Aero 3", Satin Nickel
B	2	700MOCMLIFS	MO-Camille, Inner Frost, Satin Nickel
C	3	700MR16GF	Round Glass Shield Accessory, Frost, Aluminum
D	3	300BLV136	12v GE CC, Hal MR16, GU5.3 55° 50w
E	3	700MOA96S	Clear MonoRail 96", Satin Nickel
F	2	700MOCCAPS	MO End Caps, pair, Satin Nickel
G	1	700AT300T	Remote Magnetic Transformer, 12v 300w
H	1	700MOP4C02S	MO Single Feed Canopy, 4" Round, Satin Nickel
I	1	700MOP06S	MO Power Extender, 6", Satin Nickel
J	8	700MOS04S	MO Rigid Standoff, 4", Satin Nickel

CHECKLIST

Make sure your Bill of Materials Includes:

Elements (pp. 28-129)

Accessories and Optical Controls (pp. 326-339)

Lamps—if not included with elements; (pp. 340-341, lamps must not exceed maximum wattage of element or accessory)

MonoRail (p. 240)

End Caps (one pair for each open end; p. 241)

Transformer (pp. 244, 246)

Power Feed Canopy (for remote transformer; p. 245)

Power Extender (if necessary; p. 245)

Isolating Connectors (if necessary; p. 241)

Standoffs—one for every three feet of run (p. 242, standoff lengths must match power feed length)

Make sure all finishes match and item numbers end with Z (Antique Bronze), C (Chrome), or S (Satin Nickel)



TWO-CIRCUIT MONORAIL SYSTEM

Step One: Design Your Tech Lighting Two-Circuit MonoRail System

Page numbers below reference the Tech Lighting Full-Line Catalog (921TLFCAT09), unless indicated otherwise.



ELEMENTS (Pendants, Heads, and Functional Art):

Choose elements from product overview (pp. 14-17).

Determine item number(s) (pp. 28-129).

QTY. ITEM NUMBER

☐	700MO2 _____
☐	700MO2 _____
☐	700MO2 _____

Choose Accessories and Optical Controls, if required or desired (pp. 28-129).

Determine item number(s) (pp. 326-339).

☐	700 _____
☐	700 _____

Choose 12 volt lamps that do not exceed maximum wattage of element or accessory (may be included; pp. 28-129).

Determine item number(s) (pp. 340-341).

☐	300BLV _____
☐	300BLV _____

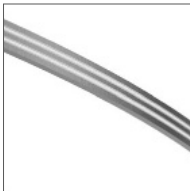
Add up total lamp wattage on system.

_____ watts

FINISH:

Choose finish of system and make sure all components are specified as such.

(Z) ANTIQUE BRONZE
(C) CHROME
(S) SATIN NICKEL



DRAWING:

Use scaled drawing as a reference.

LENGTH:

Measure length of Two-Circuit MonoRail run; determine quantity and length of Two-Circuit MonoRail pieces required (p. 260).

☐	700MO2A _____
☐	700MO2A _____

Specify one pair of End Caps for each open end of run (p. 261).

☐	700MO2CCAP _____
--------------------------	------------------

Determine number of Standoffs, one for every three feet of run.

of standoffs _____

Does the run include a sharp angle or turn?

If so, specify a Flexible Connector to make the turn (p. 261).

☐	700MO2CFXH _____
--------------------------	------------------

Would you like the Rail to be custom bent at the factory? If so, please provide the degree and radius of each curve by fax to the quotes department, 847.410.4720, for a quotation.

TWO-CIRCUIT MONORAIL SYSTEM

Step Two: Add Power and Hardware to Complete the System

QTY. ITEM NUMBER

TRANSFORMER:

Remote Transformer (p. 264)

Choose:

Magnetic or electronic

12 volt

*Output wattage _____

Single or dual-feed

AND

Specify a Power Feed Canopy, single or dual-feed (p. 265).

☐ 700AT _____

AND

☐ 700MO2P _____

OR

Surface Transformer (p. 265)

Choose:

Magnetic or electronic

12 volt

*Output wattage _____

Single or dual-feed

OR

☐ 700MO2SRT _____

**Wattage of the transformer must meet or exceed wattage of lamps calculated on previous page.*

If powering system with more than one transformer, add Isolating Connectors (p. 261) to isolate the feeds from each other.

☐ 700MO2CINC

If dropping system a distance below ceiling, add one Power Extender (p. 265) to each Power Feed (add two when using dual-feed).

☐ 700MO2P _____

MOUNTING:

Select Standoffs (p. 262) that match or exceed drop of the Surface Transformer or Power Feed. Refer to Length section on previous page for quantity.

☐ 700MO2S _____

Is the ceiling vaulted? If so, specify one Power Vault Adapter (p. 268) for each power feed (add two when using dual-feed).

☐ 700MO2PVL T _____

Then specify one Standoff Vault Adapter for each Standoff (p. 268).

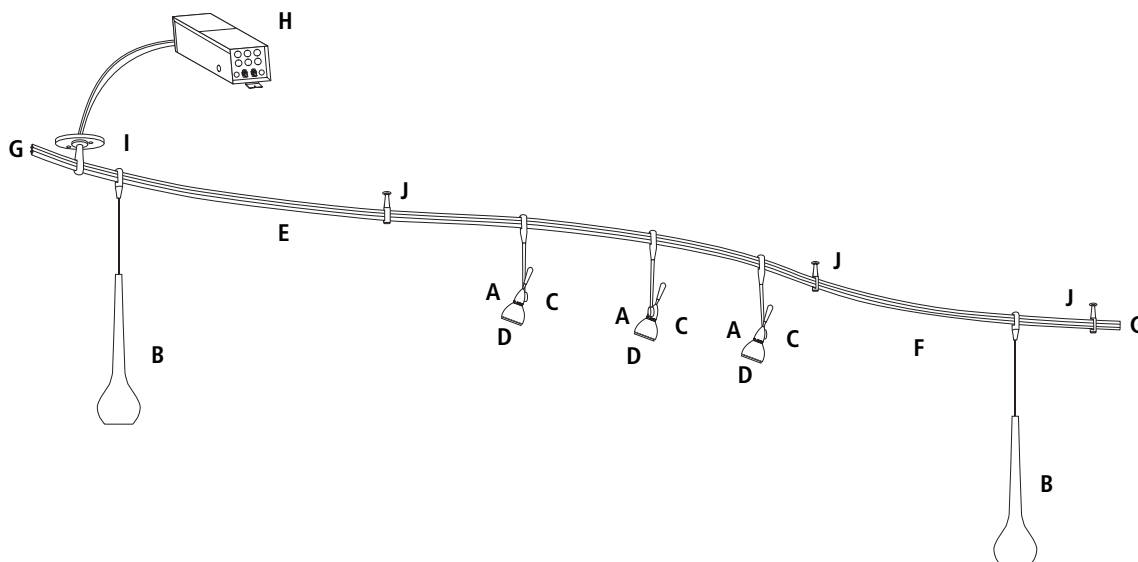
☐ 700MO2CVLT _____

SPECIAL:

This outline covers only the most common Two-Circuit MonoRail applications, but Two-Circuit MonoRail can do almost anything. For other Two-Circuit MonoRail system options, see Special Installations on (pp. 266-268) of the catalog, or call your local representative or Tech Lighting quotes department (800.522.5315).

TWO-CIRCUIT MONORAIL SYSTEM

SAMPLE BILL OF MATERIALS - As seen on p. 257 of the Tech Lighting Full Line Catalog



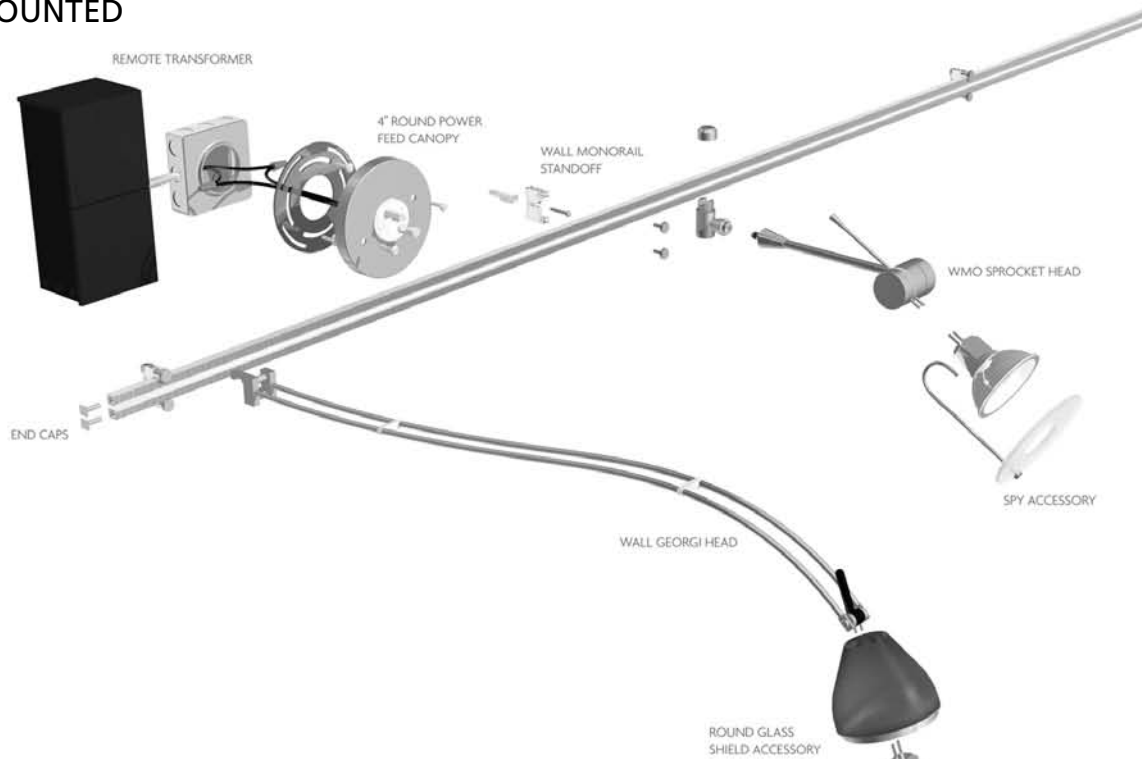
Item	Quantity	Item Number	Description
A	3	700MO2AE6S	MO2-Aero 6", Satin Nickel
B	2	700MO2SAVWS	MO2-Savoy White, Satin Nickel
C	3	700MR16GF	Round Glass Accessory, Frost
D	3	300BLV138	12v GE CC. Hal MR16 GU5.3 25° 50w
E	1	700MO2A96S	Clear Mono2Rail 96", Satin Nickel
F	1	700MO2A48S	Clear Mono2Rail 48", Satin Nickel
G	2	700MO2CCAPS	MO2 End Caps, Satin Nickel
H	1	700AT2X300T	2x300T Remote Magnetic Transformer, Single Feed
I	1	700MO2P4C02S	MO2 Single Feed Canopy, 4" Round, Satin Nickel
J	3	700MO2S06S	MO2 Rigid Standoff 2", Satin Nickel

CHECKLIST

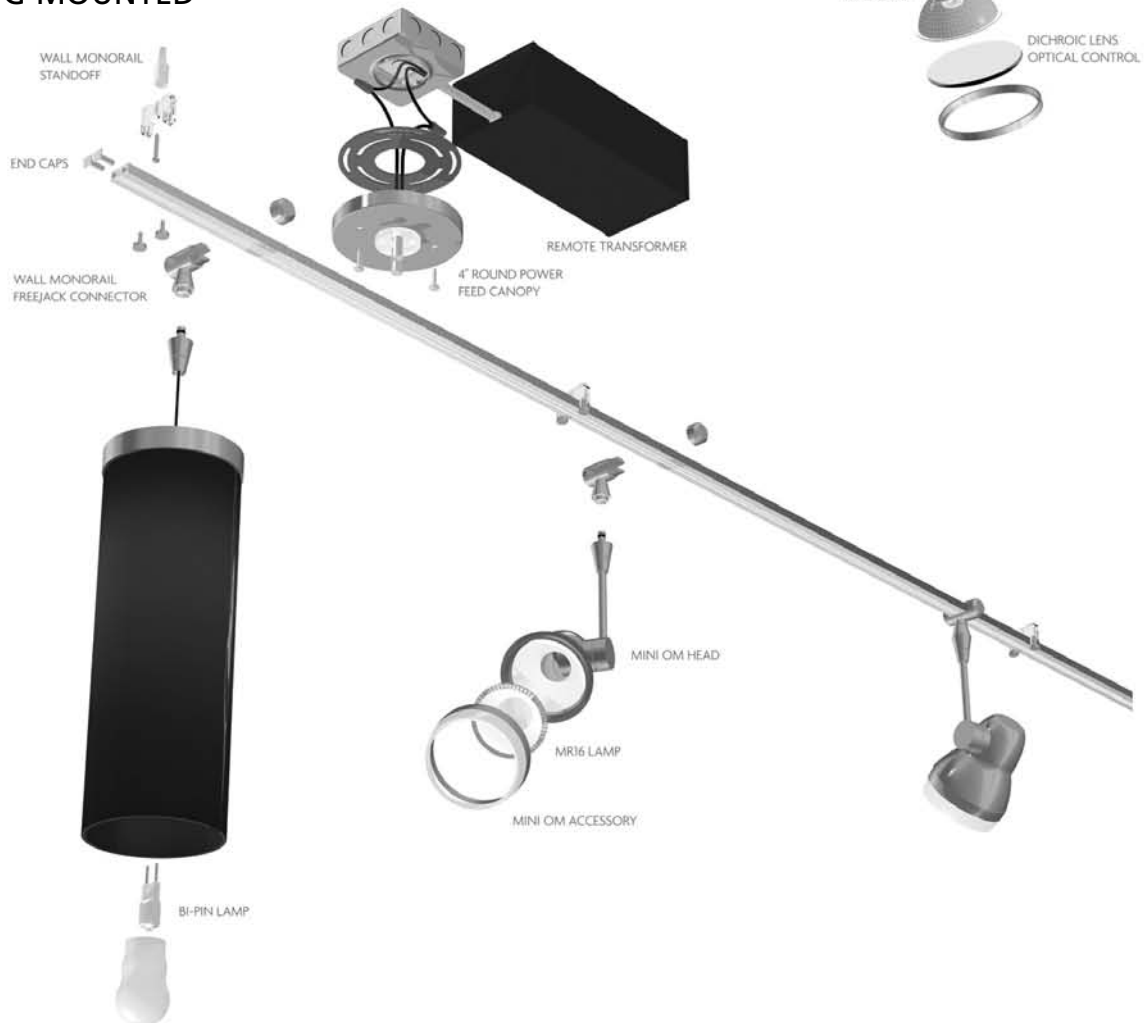
Make sure your Bill of Materials Includes:

- Elements (pp. 28-129)
- Accessories and Optical Controls (pp. 336-339)
- Lamps—if not included with elements; (pp. 340-341 lamps must not exceed maximum wattage of element or accessory)
- Two-Circuit MonoRail (p. 260)
- End caps (one pair for each open end; p. 261)
- Transformer (p. 264-265)
- Power feed canopy (for remote transformer; p. 265)
- Power extender (if necessary; p. 265)
- Isolating connectors (if necessary; p. 261)
- Standoffs—one for every three feet of run (p. 262, standoff length must match power feed length)
- Make sure all finishes match and item numbers end with Z (Antique Bronze), C (Chrome) or S (Satin Nickel)

WALL MOUNTED



CEILING MOUNTED



Step One: Design Your Tech Lighting Wall MonoRail System

Page numbers below reference the Tech Lighting Full-Line Catalog (921TLFLCAT09), unless indicated otherwise.



ELEMENTS:

WALL MOUNTED

Choose Wall MonoRail heads (p. 16).

Determine item number(s) (pp. 101-129).

QTY. ITEM NUMBER

☐ 700WM _____

☐ 700WM _____

CEILING MOUNTED

Choose elements from product overview (pp. 14-17).

Determine item number(s) (pp. 28-129).

Order one Wall MonoRail FreeJack Connector for each element (p. 315).

☐ 700WM _____

☐ 700FJ _____

☐ 700WMOCHED _____

Choose Accessories and Optical Controls, if required or desired (pp. 28-129).

Determine item number(s) (pp. 326-339).

☐ 700 _____

☐ 700 _____

Choose lamps, 12 or 24 volt, that do not exceed maximum wattage of element or accessory (pp. 28-129). Determine item number(s) (pp. 340-341).

☐ 300BLV _____

☐ 300BLV _____

Add up total lamp wattage on system.

_____ watts

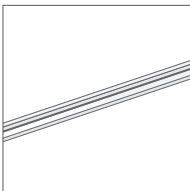
FINISH:

Choose finish of system and make sure all components are specified as such.

(Z) ANTIQUE BRONZE

(C) CHROME

(S) SATIN NICKEL



DRAWING:

Use scaled drawing as a reference.

LENGTH:

Measure length of Wall MonoRail run; determine quantity and length of MonoRail pieces required (p. 276).

☐ 700MOA _____

☐ 700MOA _____

Specify one pair of End Caps for each open end of run (p. 277).

☐ 700MOCCAP _____

Determine number of Standoffs needed, one for every three feet of run.

of standoffs _____

Step Two: Add Power and Hardware to Complete the System

QTY. ITEM NUMBER

TRANSFORMER **:

Remote Transformer (p. 278)

Choose:

Magnetic or electronic

12 volt or 24 volt

*Output wattage _____

Single or dual-feed

AND

Specify a Power Feed Canopy (p. 279).

(if using a dual feed transformer be sure to order two canopies and one isolating connector)

☐

700AT _____

☐

AND

700WMOP _____

OR

Surface Transformer (p. 280)

Note: if using a Kable Lite Surface Transformer the transformer must be mounted adjacent to run.

Choose:

Magnetic or electronic

12 volt or 24 volt

*Output wattage _____

Single

AND

Specify a Center Power Feed or End Power Feed Connector and determine item number (p. 279).

OR

☐

700SRT _____

☐

AND

700MOP _____

**Wattage of the transformer must meet or exceed wattage of lamps calculated on previous page.*

***If you are using LED heads or pendants, be sure to choose a transformer that is compatible with LED fixtures.*

If powering system with more than one transformer, add Isolating Connectors (p. 277) to isolate the feeds from each other.

☐

700MOCINC

MOUNTING:

Order Wall MonoRail Standoffs (p. 276).

Refer to Length section on previous page for quantity.

☐

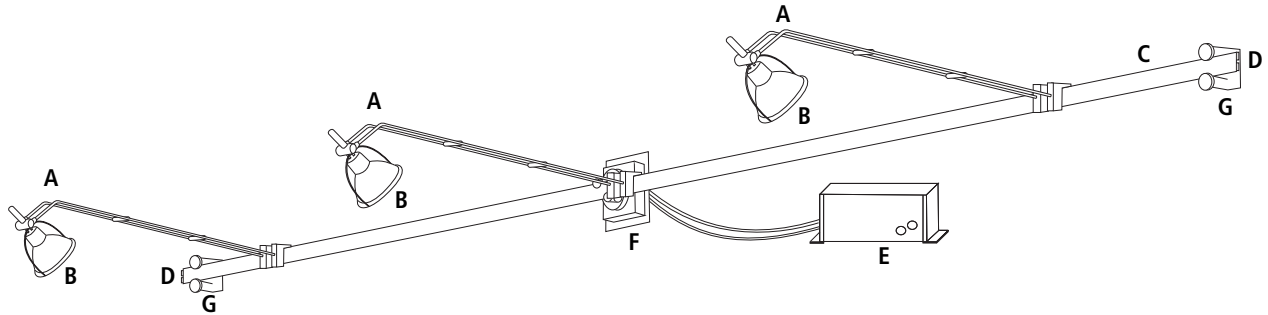
700WMOS01 _____

SPECIAL:

This outline covers only the most common Wall MonoRail applications.

For other Wall MonoRail system options call your local representative or Tech Lighting quotes department (800.522.5315).

SAMPLE BILL OF MATERIALS - As seen on pp. 270-271 of the Tech Lighting Full Line Catalog

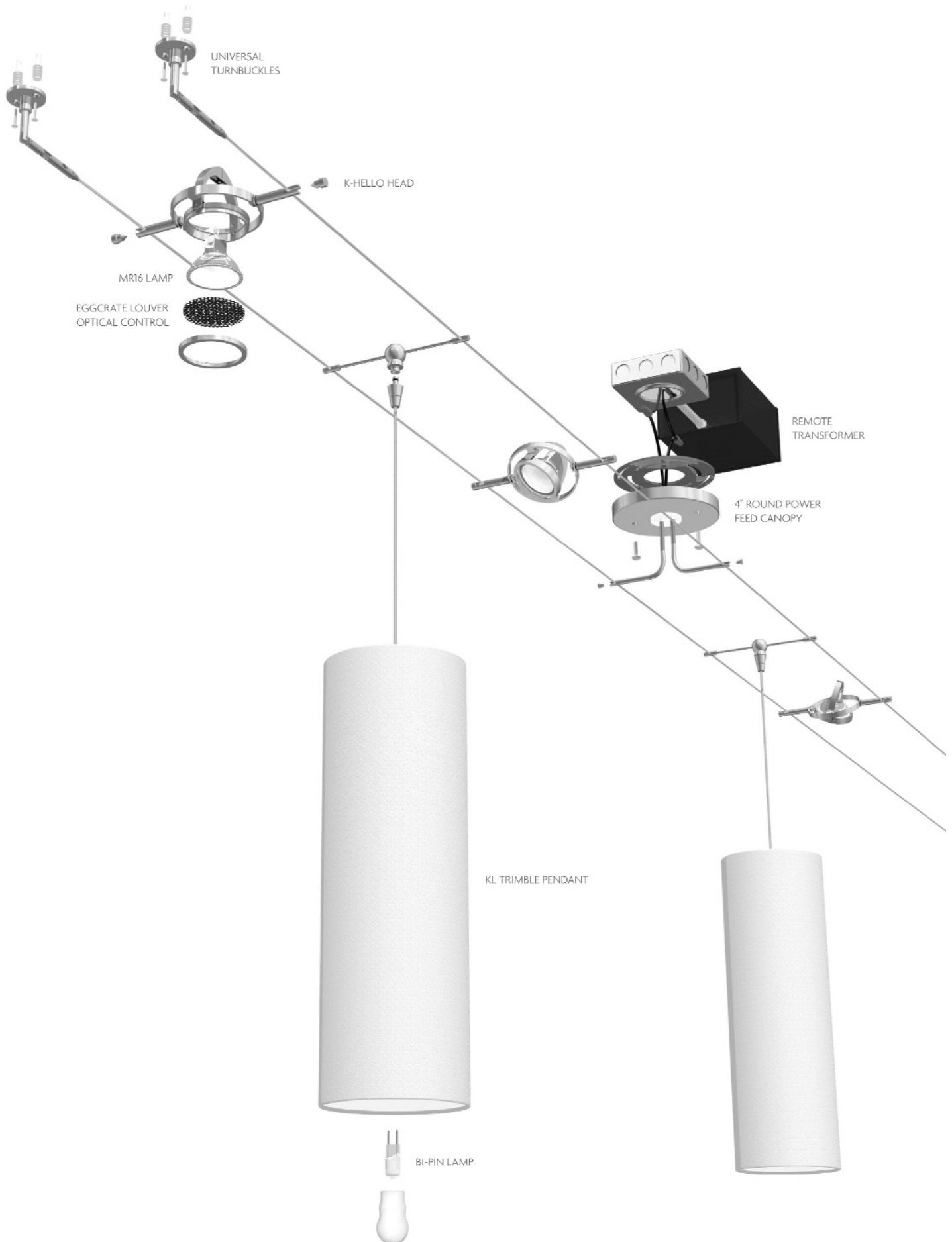


Item	Quantity	Item Number	Description
A	3	700WMWAL12Z	WMO-Wally Lite 12", Antique Bronze
B	3	300BLV138	12v GE CC. Hal MR16 Lamp, GU5.3 25° 50w
C	1	700MOA96BRZ	Brown MonoRail 96", Antique Bronze
D	2	700MOCCAPZ	End Caps, pair, Antique Bronze
E	1	700AT150T	Remote Magnetic Transformer, 12v 150w
F	1	700WMOP2SQZ	WMO Power Feed Canopy, 2" Square, Antique Bronze
G	2	700WMOS01Z	WMO Standoff, Antique Bronze

CHECKLIST

Make sure your Bill of Materials Includes:

- Elements (pp. 28-129)
- Lamps (pp. 340-341)
- Accessories and Optical Controls (pp. 326-339)
- Wall MonoRail (p. 276)
- End Caps (one pair for each open end; p. 277)
- Transformer (pp. 278, 280)
- Power Feed Canopy (for Remote Transformer p. 279)
- End or Center Power Feed (for Surface Transformer; p. 279)
- Isolating Connectors (if necessary; p. 277)
- Standoffs (one for every three feet of run; p. 276)
- Make sure all finishes match and item numbers end with Z (Antique Bronze), C (Chrome), or S (Satin Nickel)



Step One: Design Your Tech Lighting Kable Lite System

Page numbers below reference the Tech Lighting Full-Line Catalog (921TLFCAT09), unless indicated otherwise.



ELEMENTS (Pendants, Heads, and Functional Art):

Choose elements from product overview (pp. 14-17).

Check cable separation requirements. Cable separation is usually 1", 2", 3.5", 5.5", or 8". 5.5" separation has most element options. Determine item number(s) (pp. 28-129).

QTY. ITEM NUMBER

☐ 700K _____

☐ 700K _____

☐ 700K _____

Choose Accessories and Optical Controls, if required or desired (pp. 28-129).

Determine item number(s) (pp. 326-339).

☐ 700 _____

☐ 700 _____

Choose lamps, 12 or 24 volt, that do not exceed maximum wattage of element or accessory (may be included; pp. 28-129).

Determine item number(s) (pp. 340-341).

☐ 300BLV _____

☐ 300BLV _____

Add up total lamp wattage on system

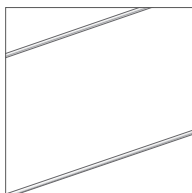
_____ watts

FINISH:

Choose finish of system and make sure all components are specified as such.

(C) CHROME

(S) SATIN NICKEL



DRAWING:

Use scaled drawing as a reference.

Identify mounting locations for turnbuckles and any turns in the run.

LENGTH:

Measure length of Kable Lite run; determine distance in feet. Order two times the length of run plus 10 percent (p. 290).

☐ 700KLA _____

☐ 700 _____

☐ 700 _____

Choose turnbuckles to tighten cable (p. 291).

Step Two: Add Power and Hardware to Complete the System

QTY. ITEM NUMBER

TRANSFORMER **:

Remote Transformer (p. 294)

Choose:

Magnetic or electronic

12 volt or 24 volt

*Output wattage _____

Single or dual-feed

AND

Specify a Power Feed Canopy, single or dual-feed (p. 295).

☐ 700AT _____

☐ **AND**
700KP _____

OR

Surface Transformer (p. 296)

Choose:

Magnetic or electronic

12 volt or 24 volt

*Output wattage _____

Single or dual-feed

OR

☐ 700 _____

**Wattage of the transformer must meet or exceed wattage of lamps calculated on previous page.*

***If you are using LED heads or pendants, be sure to choose a transformer that is compatible with LED fixtures.*

If powering system with more than one transformer, add Isolating Connectors (p. 293) to isolate the feeds from each other.

☐ 700P _____

MOUNTING:

Determine how far below ceiling the system will drop. If using a Surface Transformer drop must exceed height of Transformer (p. 296).

If mounting turnbuckles to ceiling and dropping the system a greater distance below ceiling choose either Rigid T Standoff or Rigid Post Standoff to mount before turnbuckles. Determine item number (p. 292).

☐ 700K _____

If cables will be making a turn off the wall specify either Horizontal Turn or Wall Turn and determine item number (p. 293).

☐ 700 _____

If cables will be making a turn off the ceiling specify Rigid Post Standoff Turn. Determine item number (p. 292).

☐ 700KSOT _____

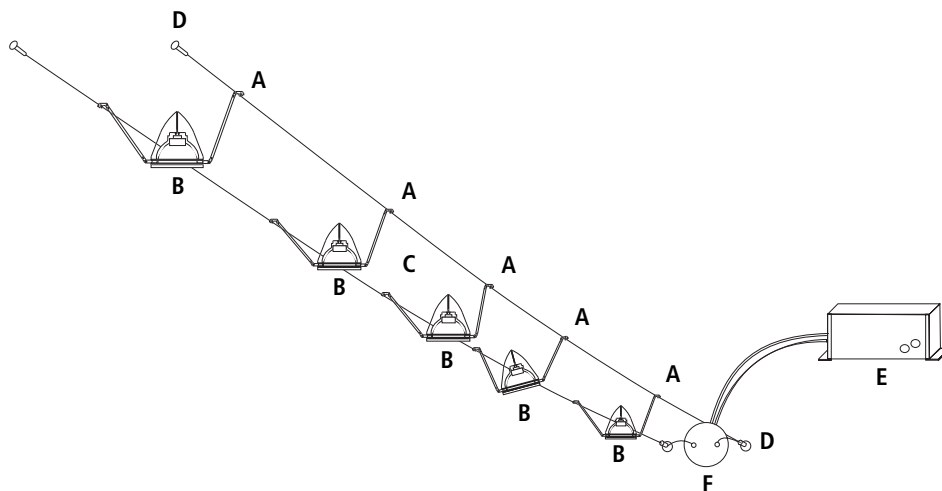
If using heavier elements, such as glass pendants, or if a span of cable exceeds 20' without support, specify Adjustable Standoffs. Determine item number (p. 293).

☐ 700PRTD3 _____

SPECIAL:

This outline covers only the most common Kable Lite applications, but Kable Lite is very versatile. For other Kable Lite system options, see Special Installations on (pp. 298-300) of the catalog, or call your local representative or Tech Lighting quotes department (800.522.5315).

SAMPLE BILL OF MATERIALS - As seen on p. 301 of the Tech Lighting Full Line Catalog



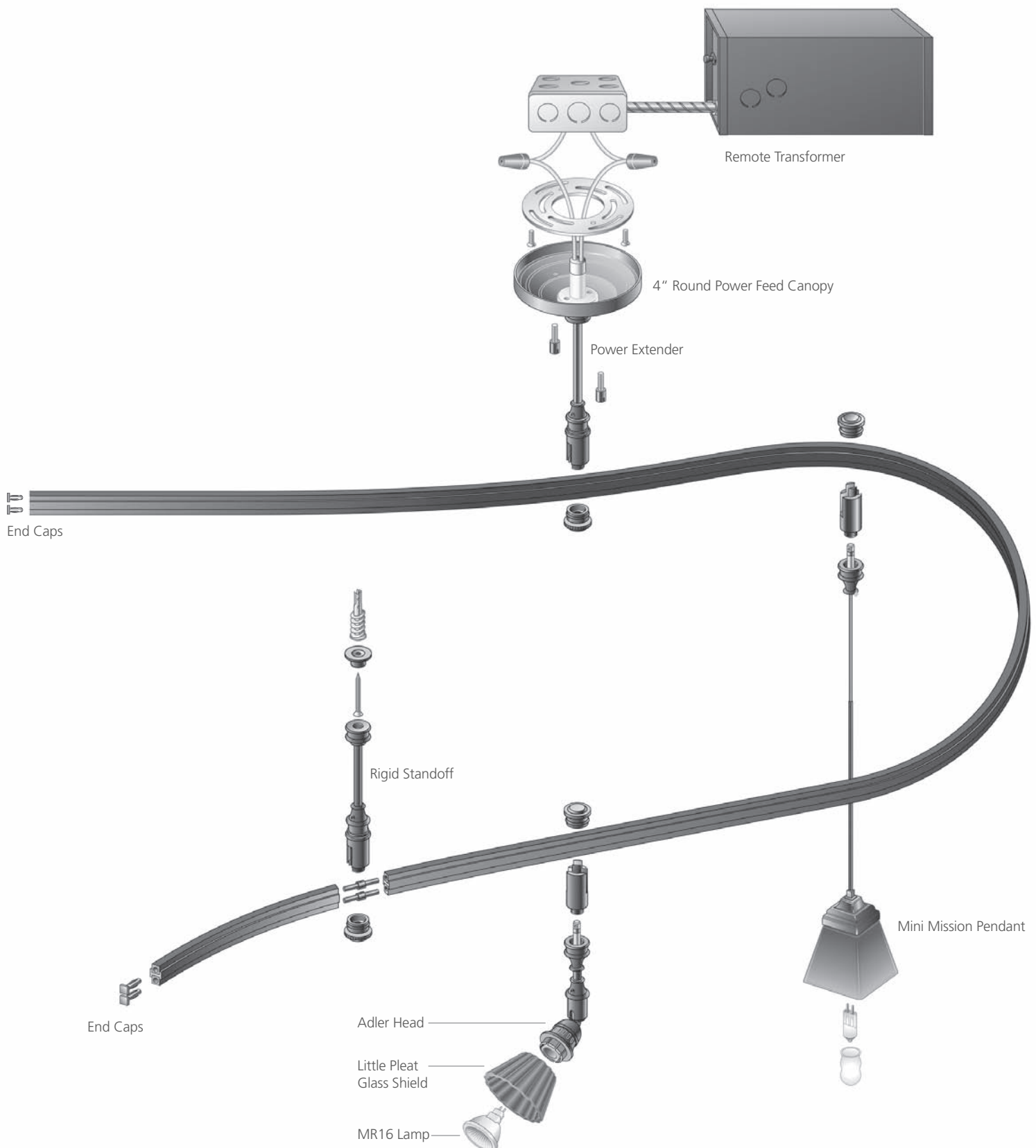
Item	Quantity	Item Number	Description
A	5	700KBYENC	K-Bye-Bye, Aluminum
B	5	700BLV136	12v GE CC. Hal MR16 Lamp, GU5.3 55° 50w
C	25 ft.	700KLABAREC	Bare Cable, Tin Plate, per ft.
D	2	700KPARTTS	Universal Turnbuckles, Satin Nickel
E	1	700AT300T	Remote Magnetic Transformer 12v 300w
F	1	700KP4C24S	KL Single Feed Canopy, 4" Round, Satin Nickel

CHECKLIST

Make sure your Bill of Materials Includes:

- Elements (pp. 28-129), make sure selected cable separation works with elements)
- Lamps—if not included with elements; (pp. 240-241, lamps must not exceed maximum wattage of element or accessory)
- Accessories and Optical Controls (pp. 326-339)
- Cable (p. 290)
- Turnbuckles (one pair for each end; p. 291)
- Transformer (pp. 294, 296)
- Power Feed Canopy (for remote transformer; p. 295)
- Isolating Connectors (if necessary; p. 293)
- Ceiling or wall supports (if necessary; pp. 292-293)
- Make sure all finishes match and item numbers end with C (Chrome) or S (Satin nickel)

MONORAIL SYSTEM



MONORAIL SYSTEM

Step One: Design Your Wilmette MonoRail System

Page numbers below reference the Wilmette Full-Line Catalog (921WMTFLCAT09), unless indicated otherwise



LOW-VOLTAGE HEADS & PENDANTS:

Choose low-voltage heads & pendants from system thumbnails (p. 137) .

Determine item number(s) (pp. 84-129).

Choose Accessories and Optical Controls, if required or desired (pp. 84-129).

Determine item number(s) (pp. 130-131).

Choose lamps that do not exceed maximum wattage of low-voltage head or pendant or accessory (may be included; pp. 84-129).

Determine item number(s) (p. 156).

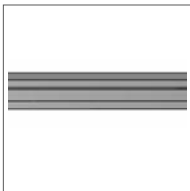
Add up total lamp wattage on system.

_____ watts

FINISH:

Choose finish of system and make sure all components are specified as such

(Z) ANTIQUE BRONZE
(N) POLISHED NICKEL
(S) SATIN NICKEL



DRAWING:

Use scaled drawing as a reference.

LENGTH:

Measure length of MonoRail run; determine quantity and length of MonoRail pieces required (p. 140).

Specify one pair of End Caps for each open end of run (p. 141).

Determine number of Standoffs, one for every three feet of run.

Does the run include a sharp angle or turn?

If so, specify a Flexible Connector to make the turn (p. 141).

Would you like the Rail to be custom bent at the factory? If so, please provide the degree and radius of each curve by fax to the quotes department, 847.410.4720, for a quotation.

QTY. ITEM NUMBER

☐ 600MO _____
☐ 600MO _____
☐ 600MO _____

☐ 600 _____
☐ 600 _____

☐ 300BLV _____
☐ 300BLV _____

☐ 600MOA _____
☐ 600MOA _____

☐ 600MOCCAP _____

of standoffs _____

☐ 600MOCFXH _____

MONORAIL SYSTEM

Step Two: Add Power and Hardware to Complete the System

QTY. ITEM NUMBER

TRANSFORMER **:

Remote Transformer (p. 142)

Choose:

Magnetic or electronic

*Output wattage _____

Single or dual-feed

AND

Specify a Power Feed Canopy, single or dual-feed (p. 142).

☐ 600AT _____

AND

☐ 600MOP _____

OR

Surface Transformer (p. 143)

Choose:

Magnetic or electronic

*Output wattage _____

Single or dual-feed

OR

☐ 600MO _____

**Wattage of the transformer must meet or exceed wattage of lamps calculated on previous page.*

***If you are using LED heads or pendants, be sure to choose a transformer that is compatible with LED fixtures.*

If powering system with more than one Transformer, add Isolating Connectors (p. 141) to isolate the power feeds from each other.

☐ 600MOCINC

If dropping system a distance below ceiling, add one Power Extender (p. 142) to each power feed (add two when using dual-feed).

☐ 600MOP _____

MOUNTING:

Select Standoffs (p. 141) that match or exceed drop of the Surface Transformer or Power Feed. Refer to Length section on previous page for quantity.

☐ 600MOS _____

Is the ceiling vaulted? If so, specify one Power Vault Adapter (p. 144) for each power feed (add two when using dual-feed).

☐ 600MOPVLT _____

Then specify one Standoff Vault Adapter for each Standoff (p. 144).

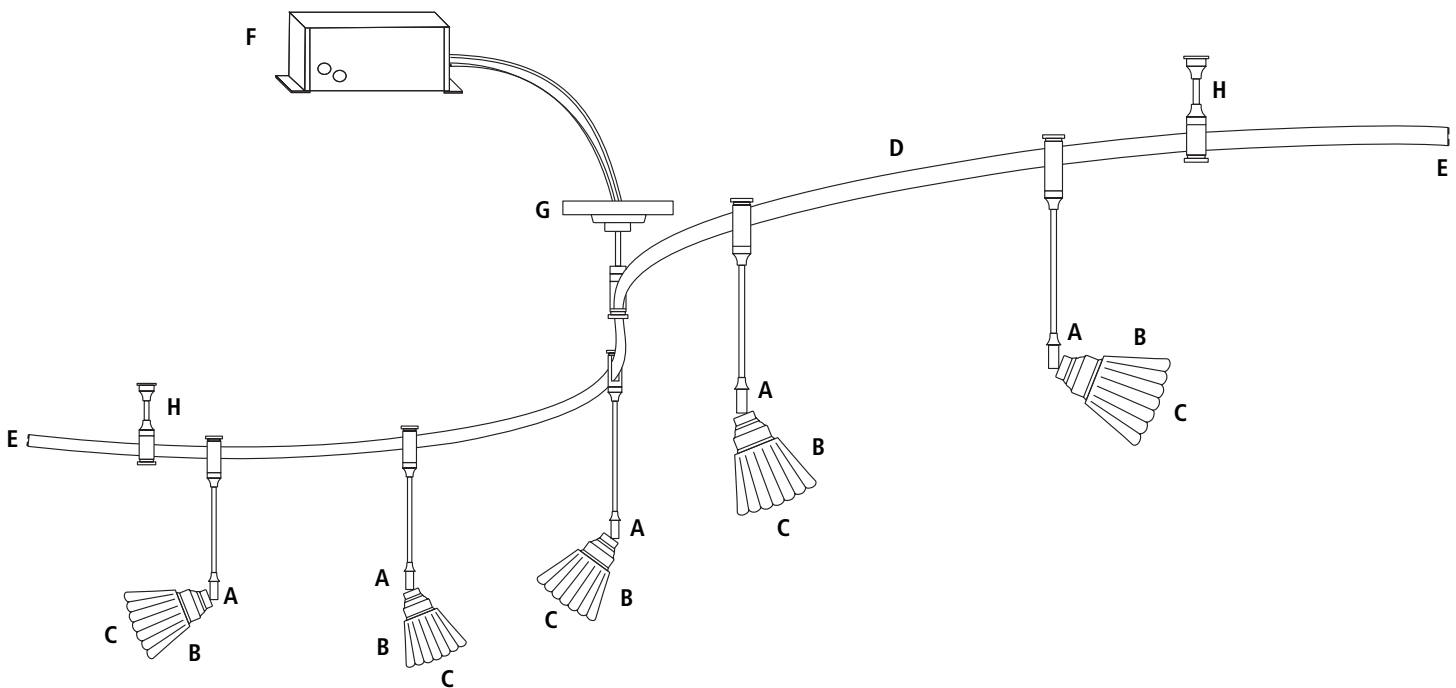
☐ 600MOSVLT _____

SPECIAL:

This outline covers only the most common MonoRail applications, but MonoRail can do almost anything. For other MonoRail system options, see pp. 144-145 of the catalog, or call your local representative or Wilmette Lighting quotes department (800.522.5315).

MONORAIL SYSTEM

SAMPLE BILL OF MATERIALS - As seen on p. 124 of the Wilmette Full Line Catalog

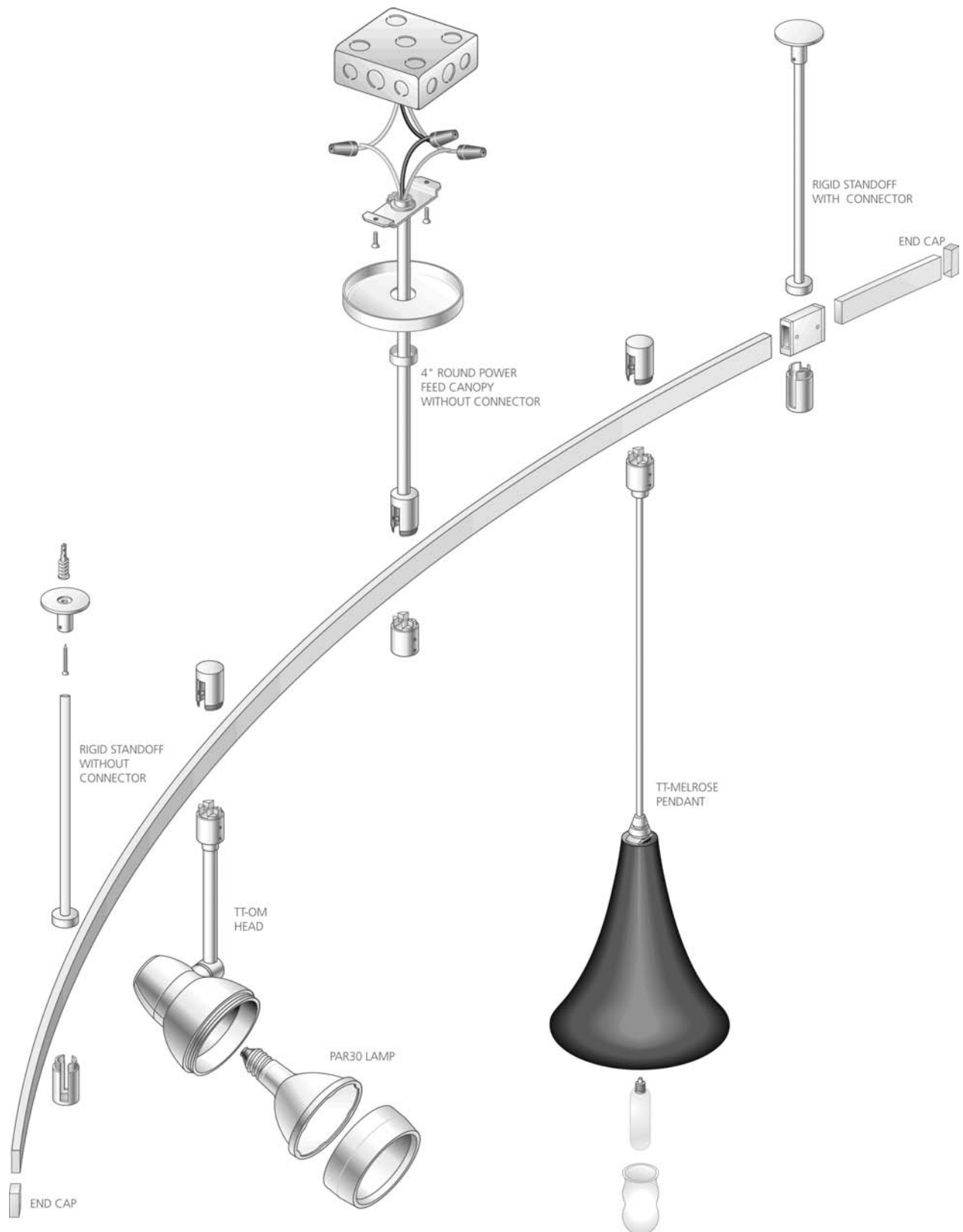


Item	Quantity	Item Number	Description
A	5	600MOSVN06N	WMT MO Sullivan Head 6", Polished Nickel
B	5	600LIPLTA	Little Pleat Accessory, Amber
C	5	300BLV139	12v CC Hal MR16, GU5.3 40° 50w
D	1	600MOBHSC60N	Clear MonoRail Horizontal S Curve, Polished Nickel
E	2	600MOCCAPN	WMT MO End Caps, Pair, Polished Nickel
F	1	600AT300T	Remote Magnetic Transformer, 12v 300w
G	1	600MOP4C02N	WMT MO Single Feed Canopy, 4" Round, Polished Nickel
H	2	600MOS02N	WMT MO Rigid Standoffs, 2", Polished Nickel

CHECKLIST

Make sure your Bill of Materials Includes:

- Transformer (pp. 142-143)
- Power Feed Canopy (for remote transformer; p. 142)
- Power Extender (if necessary; p. 142)
- Isolating Connectors (if necessary; p. 141)
- Standoffs—one for every three feet of run (p. 141, standoff lengths must match power feed length)
- MonoRail (p. 140)
- End Caps (one pair for each open end; p. 141)
- Low-Voltage Heads & Pendants (pp. 84-129)
- Accessories and Optical Controls (pp. 130-131)
- Lamps—if not included with low-voltage heads and pendants (p. 156, lamps must not exceed maximum wattage of element or accessory)
- Make sure all finishes match and item numbers end with Z (Antique Bronze), N (Polished Nickel) or S (Satin Nickel)



Step One: Design Your T~trak System

Page numbers below reference the T~trak Full-Line Catalog (921TTFLCAT07), unless indicated otherwise.

Choose Single or Two-Circuit T~trak and make sure all components are specified as such (TT Single-Circuit T~trak) (TT2 Two-Circuit T~trak).

**ELEMENTS** (Pendants and Heads):

Choose elements from product overview (pp. 16-19).

Determine item number(s) for line-voltage elements (pp. 44-98).

Choose Accessories and Optical Controls, if desired (pp. 66-67 & pp. 75, 77).

Determine item number(s) for low-voltage FreeJack elements (pp. 28-129 of Tech Full Line Catalog).

Order one T~trak FreeJack connector for each FreeJack low-voltage element (p. 18).

Choose Accessories and Optical Controls, if required or desired (pp. 226-233 of Tech Full Line Catalog).

Determine item number(s) (pp. 226-233).

Choose lamps that do not exceed maximum wattage of element or accessory (may be included; pp. 44-98 line-voltage; pp. 28-129 low-voltage).

Determine item number(s) (pp. 105-106, also pp. 234-236 of Tech Full Line Catalog).

FINISH:

Choose finish of system and make sure all components are specified as such.

DRAWING:

Use scaled drawing as a reference.

LENGTH:

Measure length of T~trak run; determine quantity and length of T~trak pieces required (p. 20).

Determine number of Rigid Standoffs with Connector, one for each connection point between track sections.

Determine number of Rigid Standoffs without Connector, one for the center of each 8' track section plus two for the ends of the run.

Does the run include a sharp angle or turn?
If so, specify a Flexible Connector to make the turn (p. 21) and add 2 Rigid Standoffs without Connector (above).

Would you like the track to be custom bent at the factory? If so, please provide the degree and radius of each curve by fax to the quotes department, 847.410.4720, for a quotation.

QTY. ITEM NUMBER

☐ 700TT _____

☐ 700TT _____

☐ 700 _____

☐ 700 _____

☐ 700FJ _____

☐ 700TTCHEDFJ _____

☐ 700 _____

☐ 700 _____

☐ 300 _____

☐ 300 _____

(Z) **ANTIQUE BRONZE**
(SELECTED FIXTURES)

(S) **SATIN NICKEL**

(W) **WHITE**

☐ 700TTA _____

☐ 700TTA _____

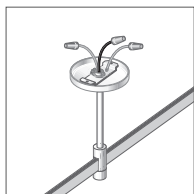
of standoffs with
connector _____

of standoffs without
connector _____

☐ 700TTCFXHS

Step Two: Add Power and Hardware to Complete the System

QTY. ITEM NUMBER

**POWER FEED CANOPY:**

Determine how far below the ceiling the system will be dropped.

Power Feed Canopy (p. 22)

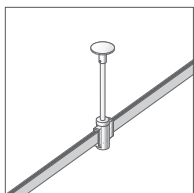
Choose:

Type of Power Feed

Length of Drop

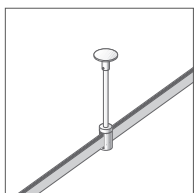
☐ 700TTP _____

If using a Power Feed Canopy "with connector" you can reduce your standoff with connector count (on previous page) by one.

**MOUNTING:**

Select Rigid Standoffs with Connector (p. 21) that match the drop of the Power Feed Canopy. Refer to Length section on previous page for quantity.

☐ 700TTSCC _____



Select Rigid Standoffs without Connector (p. 21) that match the drop of the Power Feed Canopy. Refer to Length section on previous page for quantity.

☐ 700TTS _____

Is the ceiling vaulted? If so specify one Power Vault Adapter (p. 24) for each Power Feed Canopy.

☐ 700TTPVLTS _____

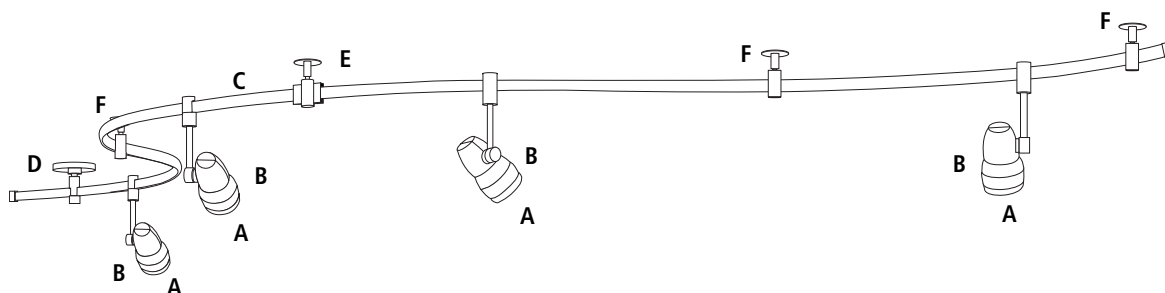
Then specify one Standoff Vault Adapter for each Standoff (p. 24).

☐ 700TTSVLTS _____

SPECIAL:

This outline covers only the most common T~trak™ applications, but T~trak can do almost anything. For other system options, see Special Installations on (pp. 24-25) of the catalog, or call your local representative or Tech Lighting quotes department (800.522.5315).

SAMPLE BILL OF MATERIALS - As seen on p. 79 of the T~trak Full Line Catalog



Item	Quantity	Item Number	Description
A	4	700TOM2006FW	TT-Om PAR20 6", Frost Lens Ring, White
B	4	300BHV417	120v Inc PAR20 E26 Med 40° 50w
C	2	700TTA96W	T~trak 96", White
D	1	700TTP4C02W	TT Power Feed Canopy w/o Connector, 4" Round, 2", White
E	1	700TTSCC02W	TT Rigid Standoff w/ Conductive Connector 2", White
F	3	700TTS02W	TT Rigid Standoff w/o Connector 2", White

CHECKLIST

Make sure your Bill of Materials Includes:

Power Feed Canopy (p. 22, without connector if powering from the center of a section of track; with connector if joining sections of track)

Standoffs with Connector (p. 21, one for each connection point between track sections)

Standoffs without Connector (p. 21, one for the center of each 8' track section plus two for the ends of the run)

T~trak (p. 20)

Elements—line-voltage (pp. 44-98)

Elements—low-voltage; order one T~trak FreeJack connector (p. 18) for each FreeJack element (pp. 28-129 of Tech Full Line Catalog)

Accessories and Optical Controls (pp. 66-67, 75, 77 line-voltage; pp. 226-233 of Tech Full Line Catalog, low-voltage) (pp. 28-129 of Tech Full Line Catalog)

Lamps—if not included with elements; (pp. 105-106, also pp. 234-236 of Tech Full Line Catalog), lamps must not exceed maximum wattage of element or accessory)

Make sure all finishes match and item numbers end with (Z) Antique Bronze, (S) Satin Nickel or (W) White

End Caps (one pair for each open end; p. 21)



847.410.4400
 Quotes Dept. Fax:
 847.410.4720
 www.encompasslighting.com

Date _____ Rep _____
 Job name/location _____
 Submitter's name _____
 Company _____
 Phone _____ Fax _____

SYSTEM

- ☐ Tech Lighting MonoRail (p. 234) ☐ Tech Lighting Two-Circuit MonoRail (p. 254)
☐ Tech Lighting Wall MonoRail (p. 270) ☐ Tech Lighting Kable Lite (p. 284)
☐ T~trak™ (p. 6)

Note: pages numbers refer to their respective catalogs

ELEMENTS

Elements to be used (*specify*):

Name/Length	Quantity	Color/Finish	Accessory/Finish/Color	Lamp/Watts
1st Type				
2nd Type				
3rd Type				
4th Type				

Total No. of Elements:

Total Wattage:

FINISH

- ☐ Antique Bronze ☐ Chrome ☐ Satin Nickel ☐ White *T~trak only*
☐ Custom finish or colored insulator (*specify*) _____

DRAWING

Attach scaled drawing or provide on reverse side.

- ☐ Plan view Scale: ☐ 1/8" = 1' ☐ 1/4" = 1'
☐ Elevation ☐ 1/2" = 1' ☐ Not to scale

LENGTH

Length of run:
 If custom curve, supply degree and radius:

TRANSFORMER

(*low-voltage systems only*)
 (p. 270)

- ☐ **Remote:** ☐ Magnetic OR ☐ 12V ☐ 24V
☐ Electronic Output Wattage:
 Canopy/Power Feed type:
☐ 4" Round ☐ 2" Square ☐ Rectangular
☐ Direct End ☐ Other _____
☐ **Surface:** ☐ Magnetic OR ☐ 12V ☐ 24V
☐ Electronic Output Wattage:

If using existing junction boxes, show location on drawing.

MOUNTING

If ceiling mounted, how far below the ceiling will the system be dropped? (*circle*)

Tech Lighting MonoRail:	2"	3"	4"	5"	6"	12"	24"	36"	48"	96"
Tech Lighting Two-Circuit MonoRail:	2"	6"	12"	24"	36"	48"	96"			
Tech Lighting Kable Lite:	1"	2.5"	5"	12"	18"	24"				
T~trak:	2"	6"	12"	24"	36"	48"	96"			
Is the ceiling vaulted?	☐ Yes	☐ No								

SPECIAL

- ☐ Cantilever ☐ Other (*specify*) _____

847.410.4400
Quotes Dept. Fax:
847.410.4720
www.wilmettelighting.com

Date _____ Rep _____
Job name/location _____
Submitter's name _____
Company _____
Phone _____ Fax _____

SYSTEM

☐ Wilmette MonoRail (p. 132)

ELEMENTS

Elements to be used (*specify*):

Name/Length	Quantity	Color/Finish	Accessory/Finish/Color	Lamp/Watts
1st Type				
2nd Type				
3rd Type				
4th Type				

Total No. of Elements:

Total Wattage:

FINISH

☐ Antique Bronze ☐ Polished Nickel ☐ Satin Nickel
☐ Custom finish or colored insulator (*specify*) _____

DRAWING

Attach scaled drawing or provide on reverse side.

☐ Plan view Scale: ☐ 1/8" = 1' ☐ 1/4" = 1'
☐ Elevation ☐ 1/2" = 1' ☐ Not to scale

LENGTH

Length of run:
If custom curve, supply degree and radius:

TRANSFORMER

(*low-voltage systems only*)
(p. 270)

☐ **Remote:** ☐ Magnetic OR ☐ Electronic Output Wattage:
Canopy/Power Feed type:
☐ 4" Round ☐ Direct End ☐ Other _____
☐ **Surface:** ☐ Magnetic OR ☐ Electronic Output Wattage:

If using existing junction boxes, show location on drawing.

MOUNTING

If ceiling mounted, how far below the ceiling will the system be dropped? (*circle*)

Wilmette MonoRail: 2" 3" 4" 5" 6" 12" 24" 36" 48" 96"

Is the ceiling vaulted? ☐ Yes ☐ No

SPECIAL

☐ Other (*specify*) _____

