



W·A·C | **L I G H T I N G**

FREQUENTLY ASKED QUESTIONS

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1. Are your track lighting systems UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. Why do you have three different track systems?

Having three systems gives us flexibility in meeting the needs of all our customers. By having systems that are compatible with other track systems in the marketplace, our fixtures are available for retrofit jobs. Some customers stock more than one system to expand their selections.

3. Is there an advantage of one system over another?

No - each system has its own mechanical and design features. It's a matter of personal preference.

4. Do you need different types of track fixtures for the L, H or J track systems?

Yes. The track fixture must be compatible with the track being used. For example, an L track fixture can only be used on a type LT track system.

5. Being a new W.A.C. distributor, which system would you recommend that we carry?

The "H" system. It has the most available accessories and is stocked in greater quantities.

6. Can Track heads be used with other manufacturers track?

It depends on the manufacturer. We have listed our heads for use on other major brands of track. Check with your distributor or our factory for confirmation.

7. The "L" series track head is extremely hard to insert into original Lightolier tracks. I'm afraid I might break the fixture. What should I do?

It is a very tight fit, but nonetheless, it will work. As long as the track head goes in once, it is loosened, and can then easily be placed anywhere along the length of the track.

8. Since the floating canopy powers the track anywhere along its length, can it be placed at the end?

Yes, but not all the way at the end. Unlike the live end, it cannot be used as an end piece. It can only be placed next to the end cap at the furthest point.

9. How do I extend a line voltage track head?

Only the fixtures from the "H" system may be extended. We offer 18", 24", 36" and 48" lengths (H18, H24, H36 and H48).

10. Can the line voltage extensions be shortened?

No, they are one integral piece and cannot be shortened.

11. What accessories will I need to suspend my tracks 3' on a sloped ceiling? How do you bring power from the end of the rod to the track?

You will need 36" suspension kits (SK36), and sloped ceiling adapters (SK14). You will also need a live end to power the track. The wire goes to a live end connector (or an "L", "X", "T", "FLX", "I-PWR") on the end. Refer to the installation instructions that come with the suspension kits for wiring information.

Basically, you will require two suspension kits for a 2' or 4' track, and three kits for 6' or 8' track sections.

12. How do I suspend a track 6½' from the ceiling?

To get 6½', you need a basic SK48 suspension kit, plus a 36" rod (R36), a coupling (RI), and an SK05 adapter kit to field cut the suspension rod.

13. I am trying to install a live end into a track, but the end cap keeps coming off. What am I doing wrong?

The live end requires a fair amount of pressure to insert, and subsequently the end cap and bus wires may push out of the opposite end of track if it not braced against a secure surface. Brace the track and insert the live end. There should be no bus wires extruding from the opposite end if installed correctly.

14. How can I tell the difference between L, H, and J, fixtures?

The overall look is exactly the same. They differ in the way they each fit into the track. The adapter of a "H" fixture has three silver colored contacts – two on one side, and one on the other. An "L" fixture has two silver contacts shaped. Like a propeller. And the "J" fixture has 2 rounded contacts and one side is marked "P". The J fixtures will fit our J2 two circuit track or JUNO's two circuit track, by pulling up the contact marked "P", and inserting a "J-CLIP" to hold it in place.

15. What accessory will I need if I want to hang a 10 pound chandelier off my track?

You need a suspension loop (X-LOOP) which accepts chain-hung fixtures up to 35 pounds and provides a connection point to the fixture powered from the track.

16. Are the "L" connectors power-feedable?

Yes – the chart below outlines our "connector" accessories:

COMPONENT	H	L	J
Floating canopy	Yes	Yes	Yes
Mono Point	Yes	Yes	Yes
Straight line connector with dead end	No	No	No
Straight line connector with power feed	Yes	Yes	Yes
Straight line connector	No	No	No
"L" connectors	Yes	Yes	Yes
"T" connector	Yes	No	Yes
"X" connector	Yes	No	Yes
Flexible track connector	Yes	Yes	Yes
Live end connector	Yes	Yes	Yes
Live end connector for BX cable	Yes	Yes	Yes

17. How many Live Ends do I need for a 30' run of track?

The number of live ends required depends on the load, and not on the length. The track is able to accommodate 20 Amp, at 80% capacity, i.e. 16 Amp. That works out to 1920 watts maximum. Say, you are putting (30) LHT-180L-WT (75W) fixtures into the 30' of track.

- Watts/ Volts = Amps
- Each 75W fixture will draw 75/120 = 0.625 Amps
- (30) 75W fixture will draw 0.625 X 30 = 18.75 Amps

Since the maximum load of the track is 16A, you will need 2 power feeds for 18.75Amp.

18. If your track can accommodate 20 Amps, why do you advise to use only 80% of capacity?

The track can fully handle 20 Amps, but because of field installation conditions such as the quality of existing building wiring, track distance run, number of connections, etc., it is common practice to de-rate the track by 20%. An additional benefit to using a conservative load factor is that you have the opportunity to add new fixtures to your track in the future if needed.

19. Do you have a device that enables me to mount a track away from the wall?

The TBKT will do just that, the extension length is 24".

20. I need some track lighting for use in the UK. Is your track lighting rated 50/60 Hz?

Yes, they are rated for 50/60Hz.

21. Which track heads would you recommend for use in an outdoor restaurant by the sea?

Our track systems and most others are not rated for outdoor use.

22. Do you have a low profile track head for use in a kiosk?

Yes. In the low voltage style most of the track heads would be considered to be small profile, however the series 802, 809, 846, and 866 would all be good choices. In a line voltage style, the #178 is a small track head that will handle all "A", "PAR" and "R" lamps which would make it a very versatile option. These are all available for our three track systems.

23. Will any of your track heads take color lenses?

Yes, in fact, we have a variety of color lenses, filters and louvers to accommodate both the MR16 and MR11 size fixtures. They simply replace the clear lens that comes with the fixture. Thicker lenses and louvers may not be adaptable to all styles, check the current second edition 2005 W.A.C. Lighting catalog or our website, www.waclighting.com, for our compatibility matrix or feel free to call us with any questions, 800-526-2588.

24. I noticed in your catalog that you don't have any line voltage track heads in white with a white baffle. How do I get them that way?

The baffles may be ordered separately, as an accessory. Our baffles come in three sizes to accommodate any line voltage track head.

<u>BAF-L-WT</u>	For styles #703, 704, 718
<u>BAF-M-WT</u>	For style #702
<u>BAF-S-WT</u>	For style #701
<u>BAF-XL-WT</u>	For styles #705, 706

25. How do I order your line voltage flexible fixtures?

Our line voltage flexible fixtures are adaptable to all three of our track systems and as surface mounts (see questions on surface mounts):

- 3-wire track (HTK-024/HTK-048)
- 2-wire track (LTK-024/LTK-048)
- Wide 2-wire track (JTK-024/JTK-048)

TWO CIRCUIT TRACK LIGHTING – FREQUENTLY ASKED QUESTIONS

1. Is the W.A.C. Lighting J2 style two-circuit track system UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. What's the difference between two-circuit and single-circuit track?

You can think of two circuit track as two tracks combined as one. Two-circuit track enables the use of two separately controlled circuits on one section of track. The two-circuit track can be wired with two separate feeds. Each track circuit can then handle up to 2400 watts (de-rated to 1920 usable watts is recommended). This saves on installation costs by eliminating the need for separate runs. Another option is to use one circuit feed and control it with two switches.

3. Do all of your track heads work on the two-circuit track?

No, only the JHT & JTK style heads work with the J2 style two-circuit track. These track heads work on the first circuit in their standard configuration and then can be adapted to work on the second circuit with the addition of the J-CLIP accessory.

4. How do I get the track heads to work on the second circuit?

On our JHT and JTK style heads, one of the contacts is marked with a "P". Use a needle nose pliers or similar tool to raise the contact, and then use a J-CLIP to hold it in place. This raised contact will make contact with the second circuit wire.

5. What accessories will I need to suspend my tracks 3' on a sloped ceiling? How do you bring power from the end of the rod to the track?

You will need 36" suspension kits (SK36), and sloped ceiling adapters (SK14). You will also need a live end to power the track. For our 2-circuit track, we offer the option of using a wireway - model # J2-WCOV that can conceal the wire 10 inches from the rod to the live end.

Refer to the installation instructions that come with the suspension kits for wiring information.

Basically, you will require two suspension kits for 4' track, three kits for 6' or 8', and four kits for the 12' track section.

6. How do I suspend a track 6½' from the ceiling?

To get 6½', you need a basic (SK48) suspension kit, plus a 36" rod (R36), a coupling (RI), and an (SK05) adapter kit to field cut the suspension rod.

7. Are the tracks cuttable in the field?

Yes. Follow the procedure explained in the instructions.

8. I do not see a floating canopy option for your J2 two-circuit track. How do I make a clean connection along my track?

You will want to use the octagon box cover (J2-UCP) and I-Power Connector (J2-IPWR). This accessory provides a clean appearance that can go over any of our J2 track connections. Just remove the plastic cover from the connector and the J2-UCP becomes the new cover.

9. I am trying to install a live end into a track, but the end cap keeps coming off. What am I doing wrong?

The live end required a fair amount of pressure to insert, and subsequently the end cap and bus wires may push out the opposite end of the track if not braced against a secure surface.

10. If your track can accommodate 20 Amps on each circuit, why do you advise only using 80% of the capacity?

Each circuit can fully handle 20 Amps, but because of field installation conditions such as the quality of existing building wiring, track distance run, number of connections, etc., we advise de-rating the track by 20%. An additional benefit to using a conservative load factor is that you have the opportunity to add new fixtures to your track in the future if needed.

11. Can two circuit track be dimmed?

That depends on several factors. Fluorescent or metal halide track heads can not be dimmed. Incandescent fixtures may be dimmed on one of the two circuits. The dimmer should be one with a grounded neutral connection. Additionally low volt track heads should have an electronic low voltage dimmer switch.

12. Do you have a device that enables me to mount a track from the wall?

The (TBKT) wall mount track bracket allows you to mount your track 24" from the wall.

13. Which track connectors for your J2 series are power-feedable?

The chart below outlines all the connector accessories:

COMPONENT	Power Feedable?	Part Number
Straight line connector with dead end	No	J2-IDEC
Straight line connector with power feed	Yes	J2-IPWR
Straight line connector	No	J2-I
"L" connectors	Yes	J2-LLEFT, J2-LRIGHT
"T" connector	Yes	J2-T
"X" connector	Yes	J2-X
Flexible track connector	Yes	J2-FLX
Live end connector	Yes	J2-LE
Live end connector for BX cable	Yes	J2-BXLE
T-Bar End Feed	Yes	J2-TBLE

LINE VOLTAGE TRACK FIXTURES – FREQUENTLY ASKED QUESTIONS

1. Are your track lighting systems UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. Do you need different types of track fixtures for the L, H or J track systems?

Yes. The track fixture must be compatible with the track being used. For example, an L track fixture can only be used on a type LT track system.

3. Why do you have three different track systems?

Having three systems gives us flexibility in meeting the needs of all our customers. By having systems that are compatible with other track systems in the marketplace, our fixtures available for retrofit jobs. Some customers stock more than one system to expand their selections.

4. How can I tell if a fixture is low or line voltage?

The low voltage fixture has a slim oblong transformer box, whereas the line voltage fixture has a square adapter.

5. Are your line voltage track heads dimmable?

Yes. Our line voltage track heads are fully dimmable with any name brand incandescent dimmer.

6. Do you have barn doors options available for your line voltage track heads?

Our series 024, 048, 178, and 188 track heads have the option of barn doors. The barn doors are available in Black (BK), Brushed Nickel (BN), and White (WT). Sizes are available for PAR20, PAR30, and PAR38 lamps.

7. How do I extend a line voltage track head?

Only the fixtures from the 3-wire "H" system may be suspended. We offer 18", 24", 36" and 48" lengths (H18, H24, H36 and H48).

8. Can the Line Voltage Extensions be shortened?

No, they are one integral piece and cannot be shortened.

9. Do you have a very low profile track head for use in a kiosk?

The line voltage style model 178 is a smaller profile track head that will handle all "A", "PAR" and "R" lamps.

10. How can I tell the difference between an L, H, J, fixture?

The overall look is exactly the same. They differ in the way they each fit into the track. The adapters look different on top. Our catalog and web site show the visual differences for easy identification.

11. I noticed in your catalog that you don't have any line voltage track heads in white with a white baffle. How do I get them that way?

The baffles may be ordered separately, as an accessory. Our baffles come in four sizes to accommodate several line voltage track heads.

<u>BAF-L-WT</u>	<u>For styles #703, 704, 718</u>
<u>BAF-M-WT</u>	<u>For style #702</u>
<u>BAF-S-WT</u>	<u>For style #701</u>
<u>BAF-XL-WT</u>	<u>For styles #705, 706</u>

12. You also offer a J2 track, which fixtures will fit that?

All "J" series fixtures have a movable contact (marked with a "P") will fit in the J2 two circuit track. The contact is raised as needed to fit the second circuit and then secured by a "J-CLIP".

LOW VOLTAGE TRACK FIXTURES – FREQUENTLY ASKED QUESTIONS

1. Are your track lighting systems UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. Do you need different types of track fixtures for the L, H or J track systems?

Yes. The track fixture must be compatible with the track being used. For example, an L track fixture can only be used on a type LT track system.

3. Why do you have three different track systems?

Having three systems gives us flexibility in meeting the needs of all our customers. By having systems that are compatible with other track systems in the marketplace, our fixtures available for retrofit jobs. Some customers stock more than one system to expand their selections.

4. How can I tell if a fixture is low or line voltage?

The low voltage fixture has a slim oblong transformer box, whereas the line voltage fixture has a square adapter.

5. You offer two types of framing projectors. What is the difference between the 008FP and the 009?

The 008FP has one lens and is good for forming a rectangular area of light on an art work. The 009 has two lenses and offers a much larger range of sizes. The 009 also allows the use of a gobo, which is a type of stencil for projecting logos or images on a wall. The 008FP is an attachment to the 007 fixture, while the 009 is a complete fixture.

6. Do you have barn doors available for your low voltage track heads?

Our series 801 track head has the option of barn doors (801-BD). This is our only low voltage track head with a specific barn door option.

7. How do I extend a low voltage track head?

The low voltage track heads with extensions are made to order at our facility. We have 6", 12", 18", 24", 36" and 48" drops. All standard low voltage track heads may be fitted with an extension.

8. Can the low voltage extensions be field shortened?

No. They are one integral piece and cannot be field shortened.

9. How do I order a low voltage track head as a 75W unit?

The standard version of track heads is 50W max, adding the letter "L" as a suffix to the model number signifies the 75W max version. Using the 808 round back as an example, here is the ordering information for a black 50W and 75W unit. Notice that you use the "L" suffix when ordering a large capacity track head.

WATTS	VOLTAGE	3-WIRE	2-WIRE	WIDE 2-WIRE
50W	120V-12V	HHT-808	LHT-808	JHT-808
75W	120V-12V	HHT-808L	LHT-808L	JHT-808L

10. Since the integral transformers for the low voltage track heads are electronic, what type of dimmers would I require?

We recommend the use of an electronic low voltage dimmer.

11. Do you have any track heads in brushed nickel?

Yes, some of our more popular styles are available in brushed nickel. You may choose black or white for the transformer box. For example, LHT-809-BN/BK indicates a brushed nickel head with a black transformer box. Check the current second edition 2005 W.A.C. Lighting catalog or our website, www.waclighting.com, for color availability.

12. I would like to use a low voltage fixture as a monopoint, but the transformer doesn't fit on the monopoint accessory. What do you suggest?

You may order any low voltage style as a surface mount fixture on an LP or ME canopy base (with the transformer hidden inside the canopy) or the MI or MO base (with a remote transformer).

13. Will any of your track heads take color lenses?

Yes, in fact, we have a variety of color lenses, filters and louvers to accommodate both the MR16 and MR11 size fixtures. They replace the clear lens that comes with the fixture. Thicker lenses and louvers may not be adaptable to all styles. Check the current second edition 2005 W.A.C. Lighting catalog or our website, www.waclighting.com, for our compatibility matrix or feel free to call us with any questions, 800-526-2588.

14. How can I tell the difference between an L, H, J, fixture?

The overall look is exactly the same. They differ in the way they each fit into the track. The adapters look different on top. Our catalog and web site show the visual differences for easy identification.

15. You also offer a J2 track, which fixtures will fit that?

All "J" series fixtures have a movable contact (marked with a "P") will fit in the J2 two circuit track. The contact is raised as needed to fit the second circuit and then secured by a "J-CLIP".

16. What type of track system would you recommend for my application?

- a) Aesthetic considerations aside, choose the lamp beam pattern appropriate for your mounting height and distance from the objects being illuminated (see the lamp performance section of the catalog or web site).
- b) Now select your track type. Do you need one-circuit or two-circuit track? In most cases single circuit will be fine. The HT style track is the most common in the marketplace; consequently our stock position on this is the highest.

COMPACT FLUORESCENT TRACK HEADS – FREQUENTLY ASKED QUESTIONS

1. Are the Compact Fluorescent track fixtures UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What is the warranty of your compact fluorescent track fixtures?

The standard W.A.C. Lighting warranty for the fixture is 3 years. The ballast's are covered by separate 5 year ballast manufacturer's warranty.

3. Is a compact fluorescent track head more energy efficient than an incandescent track head?

Yes. Compact fluorescent lamps are very energy efficient. You can expect about four times the light output per watt from a compact fluorescent lamp as compared to an incandescent.

4. Why are these track heads called "wall washers" in my W.A.C. Lighting catalog?

These track heads are designed to evenly illuminate a large area on a wall. They are often used for lighting large vertical display areas. They are also a good energy efficient choice for providing general ambient light into a space when mounted in high ceiling applications.

5. Can these Compact Fluorescent track heads be dimmed?

No. They are only available with standard (non-dimming) electronic high efficiency ballast.

6. I notice you refer to "biax™" and "double biax™" as the lamps for your fixtures, what is that?

The terms "biax™" and "double biax™" are actually terms that GE uses in referring to this particular type of compact fluorescent lamp. Other manufacturers may use a different name for the same lamp. The table below is a general guide to cross reference different brand names (see the appropriate lamp manufacturer website for their most current offerings).

GE	OSRAM SYLVANIA	PHILIPS
BIAX	DULUX L	PL-L
DOUBLE BIAX	DULUX D/E	PL-C

7. Can I extend the CFL (compact fluorescent lights) fixtures from a track?

Extensions are not available for these units.

8. Can I install the CFL fixtures on a suspended track?

Yes. You can install them on a track that has been suspended from the ceiling, provided the track has adequate support.

9. What is a ballast and what does it do?

A fluorescent lamp requires a higher amount of voltage to 'start up', then a lower voltage to operate. A ballast provides the lamp with these different voltage requirements.

10. Are your fixtures supplied with lamps?

No. Lamps can be purchased from your local electrical supplier.

11. Can I use these fixtures on your standard H / J / L or J2 track, or do I need a special track?

Yes. These fixtures will work with all of our existing tracks, there is no need for a special track. On our 2 circuit J2 track, a J-CLIP is needed to work on the second circuit.

12. Do the louvers come with the fixtures? What colors are available?

The louvers are made of aluminum. They are available in white, black and clear specular and sold separately.

13. Why are these track fixtures supplied with support brackets?

The bracket provides extra support for the ballast housing.

METAL HALIDE (HID) TRACK HEADS – FREQUENTLY ASKED QUESTIONS

1. Are the Metal Halide track fixtures UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What is the warranty of your Metal Halide fixtures?

The standard W.A.C. Lighting warranty for the fixture is 3 years. The ballast's are covered by separate 5 year ballast manufacturer's warranty.

3. Can these fixtures be dimmed?

No. These Metal Halide track heads are not dimmable.

4. When I turn on these fixtures, they don't come to full brightness right away, is that normal?

Yes, a metal halide lamp does not reach full light output immediately. It will take several minutes before the lamp reaches full light output.

5. Can I extend the Metal Halide fixtures from a track?

Extensions are not available for these units.

6. Can I install the Metal Halide fixtures on a suspended track?

Yes, you can install them on a track that has been suspended from the ceiling, provided the track has adequate support. We recommend four supports for each 8' section of track.

7. Can I use these fixtures on your standard H / J / L or J2 track, or do I need a special track?

Yes, these fixtures will work with all of our existing tracks, there is no need for a special track. On our 2 circuit J2 track, a J-CLIP is needed to work on the second circuit.

8. In what type of application would I use a Metal Halide track head?

These fixtures are intended for use where a high level of light is needed and true color rendering is important. Typical applications include high profile display and merchandise lighting. Another good application for these units is to use them where you have an unusually high ceiling height. They would not be practical for most residential settings.

9. Why are these heads not practical for a residential setting?

Metal halide lamps do not provide instant on operation they take several minutes to come on and again to relight after switching off.

10. You offer a choice of a magnetic or an electronic ballast for each fixture, what is the difference?

An electronic ballast consumes less energy, and has voltage regulation features that extend lamp life. Magnetic ballast's offer a lower initial outlay.

11. What is a ballast and what does it do?

A metal halide lamp requires a higher amount of voltage to 'start up', then a lower voltage to operate. A ballast provides the lamp with these different voltage requirements.

12. Why is there a switch on the back of your metal halide track heads.

The switch is used for relamping the fixtures without powering down the entire track.

13. Are these fixtures supplied with lamps?

No. Lamps can be purchased from your local electrical supplier.

14. I see that these fixtures use PAR lamps, are they standard PAR lamps or do I need to purchase special ones?

Yes, these fixtures require the use of a metal halide type PAR lamp.

15. Can I expect more light out of a metal halide compared to a similar wattage incandescent? Are they energy efficient?

Yes. You can expect about four to five times the light output per watt from a metal halide lamp.

16. Why are these track fixtures supplied with support brackets?

The bracket provides extra support for the ballast housing.

17. What is the average rated life of a metal halide lamp?

The average lamp life of a PAR type metal halide is 9000 to 12000 hours.

18. Can I get any other styles of Metal Halide track heads?

Although the style remains the same, there are 5 versions of these fixtures to allow various lamp and wattage selections and ballast types. The current style provides a very clean and low profile appearance that blends in well with many ceiling environments.

PRECISION SPOTS – FREQUENTLY ASKED QUESTIONS
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1. Are your Precision Spots UL listed?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. How do you adjust the Precision Spots?

Vertical adjustment is made by loosening the two side locking screws Horizontal adjustment is made by rotating the spot on its axis. Degree indicators are printed on the fixtures to make it easy to maintain the aiming angle after cleaning or re-lamping.

3. What type of transformers are included with the low voltage Precision Spots?

The low voltage Precision Spots come with an integral electronic low voltage transformer. The advanced technology of the transformer features auto-reset, soft start and short circuit protection. Soft start protects lamp filaments from abrupt inrush current that shortens lamp life.

4. Can I use lens accessories on the Precision Spots?

Yes, the Precision Spots allow the use of two lens accessories within the die cast lens cap. The 713 and 733 units use exposed Par lamps and do not have a lens accessory option.

5. When would two accessories be called for?

You might like to use a colored lens with a honeycomb louver to reduce side glare, or perhaps a UV filtering lens with a honeycomb louver, or colored lens.

6. Your catalog states low voltage models using MR16 lamps are available in 75 watt versions, but your lamp chart shows 71 watt lamps, Why is that?

Most lamp manufacturers offer a slightly reduced wattage version because it has the best combination of lamp life and lumen level characteristics.

7. What type of track can I use with the Precision Spots?

The Precision Spots work with our W2 J and J2 series tracks. The addition of a the “J-CLIP” allows the standard luminaire to engage the second circuit of the two circuit track.

8. Are the Precision Spots compatible with any other manufacturers track systems?

Yes. Our track heads are UL listed for use with several other manufacturers track systems. Check with the factory or your local W.A.C. Lighting representative for current compatibility information.

9. When would I want to use the Precision Spots over a standard track heads?

The Precision Spots have the look and features often required for high profile applications where the fixtures need to provide precise control and adjustability.

These specification grade die cast aluminum units have a thick powder coat paint finish, ratchet action adjustment with integral aiming indicators and locking adjustability. The threaded lens ring holds of up to two captive accessories. The socket wires are concealed for a clean appearance. These features distinguish the Precision Spots from standard track heads.

10. Do you have any metal halide or compact fluorescent Precision Spots?

CFL and HID lamps are not available in the Precision Spot family at this time.

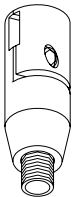
QUICK CONNECT ELEMENTS – FREQUENTLY ASKED QUESTIONS

1. Are all your quick connect elements UL listed? Yes they are UL & CUL listed. You can find listed products at www.ul.com.

2. What is a ‘Quick Connect’ element?

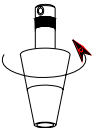
“Elements” are low voltage fixtures or pendants that connect to a Quick Connect Adaptor (Jack). The adaptor then attaches to the rail to provide a simple connection for the elements. The Quick Connect feature allows the same elements to be used on other systems, such as Flexrail2, Monopoints and Multipoints, conventional line volt track, and the Linear track system.

The advantage of this system is the ability to easily use any of the over 300 low voltage Quick Connect elements and maintain design continuity across systems.



3. How do I order QC fixtures?

Most fixtures are ordered as two line items, the shade and the fixture. However a few of our fixtures come with only one matching shade. For some systems that is all you will need, while on others, such as the monorail, you will need to also order an adaptor so that QC fixture can connect to the track. Here is a table showing you what parts you need to order for each lighting system



System type	Adapter required	Description
Monorail	LM-QADP	Attaches fixture to low volt Monorail.
Flexrail	HM-EN50	Includes integral transformer
Mono & Multipoints	None	Direct attachment to fixtures with integral transformers.
Standard Track	EN-xQ50-AR	Includes integral transformer, x = specify track type.
Linear System	SADP	Attaches fixture to low volt track

4. What standard lengths are fixtures offered in?

With the exception of the QF-196 they are all available in 3, 6, 9 , and 12 inch lengths.

5. Can they be field cut?

No, the rigid tubes have an inner wire and can not be shortened.

6. Can the quick connect fixtures be extended longer than 12inches?

Yes they can be extended with the Q-X18, Q-X24, Q-X36, and Q-X48 inch extension rods.

7. Can I interchange the shade heads from series 184 and 195 series?

Yes. The fixtures with the coned shaped back, series 190, 194, and the 195 series are interchangeable with the 184 series.

8. Can these fixtures be used with two circuit track?

Yes! The J2 (two circuit track) needs a EN-JQ50AR transformer and a JCLIP. And the HM-EN50-PT for Flexrail.

The QF-199 looks very different from other fixtures. What's special about it?

It uses the AR111 lamp which is well suited for projecting light over distances.

9. Can the QF-185 accept accessories lens?

Yes the QF-185 fixture can accept accessories lens like UV and Honeycomb Louver lens.

10. Can QF fixtures be used on sloped ceilings?

Not when direct mounted, the fixtures have rigid stems that do not swivel from the top. However they can be mounted to various systems that can be suspended level from a sloped ceiling such as track, Flexrail or Monorail.

LINEAR SYSTEM – FREQUENTLY ASKED QUESTIONS
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1. Is your Linear System UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. What is the composition material of the linear track? Can this type of track be cut?

The track is made of polycarbonate. Yes, the linear track may be field-shortened with a hacksaw or other standard field cutting tool.

3. Is the Linear System low or line voltage?

It is low voltage. It requires the use of a transformer to power the track.

4. What type of transformers can I use with the low voltage Linear System track?

We have two types of transformers - electronic and magnetic. The SST-60E (60W) and SST-150E (150W) are surface mount electronic transformers. They have a built-in on-off switch and are designed to be used at the beginning of a linear track run. Remote transformers may also be used, any enclosed unit from the EN-12 electronic transformer series will be a good choice, the exact model number being dependent on your system wattage. The SRT-300M (300W), SRT-500M (500W), SRT-600M (600W) and SRT-1000M (1000W) are magnetic transformers. Magnetic transformers have large system capacities and are available as 12V and 24V.

5. Why do you offer both 12 and 24 volt transformers?

12 volt is the most common type of low volt lighting but is limited in its ability to support higher wattage loads or long runs. 12 volts is best for runs of less than 20 feet. 24 volts is more useful in a long run like a ceiling cove.

6. You offer a 1000 watt transformer, does this mean I can run 1000 watts on a track?

No! The track has wattage limits that must not be exceeded. The limits are 240 watts for a 12 volt system and 480 watts for a 24 volt system. The outputs of larger capacity transformers can be split to multiple runs.

7. What is the capacity of the Linear System track?

The track has 12 gauge solid copper conductors and is rated for 20 amps. That is the reason for the wattage limits mentioned above.

8. What do you mean, when you say “a run” of track?

A run is defined as a transformer, the wires from the transformer leading to a live end connector and the length of track.

9. Your instructions state that you should use 12 gauge wire when feeding the live end from the transformer. Why?

The track is rated for 20 amps, 12 gauge wire is needed to handle the load.

10. Can the Linear System be dimmed?

Yes. When using the SST series or EN-12 series electronic transformers, name brand electronic low voltage dimmers are recommended. When using the SRT series magnetic transformers, the system will require the use of low voltage magnetic dimmers.

11. I want to use the Linear Track for under cabinet lighting. Which bulbs should I use, and how far apart should I space them?

To achieve a medium light level, we recommend 10 watts per foot. This makes calculations easier. You can then use the SBH-110 fixtures with 5W lamps spaced every six inches, for example. The SF-220 or SF-221 with the G218 is also a good choice for cabinet lighting applications.

12. How do I suspend a Linear Track from the ceiling? What type of accessories do I need?

You must use the track carrier (SC4, SC8), sold separately. It provides the point of attachment for the suspension kit and provides rigidity to the track. The aircraft cable kit (SCK) consists of two canopies, cables, and hardware. The electrical feed is made through a flexible wire and a live end (SLE), sold separately. The cables can be adjusted to any length up to 48".

13. In what applications do I need to use a track carrier? Can I paint the track carriers?

You will require track carriers when suspending the track from the ceiling or the wall. The track carrier provides rigidity and a finished look. They are made of an extruded aluminum, and are available in black, white or platinum in 4' and 8' lengths. You may paint them to color-match any interior.

You may use the MIK (2½") canopies in place of the 4½" ones supplied with the SCK. Contact W.A.C. technical support for more information, 800-526-2588.

14. Can the SJS jumper connector be lengthened?

Yes, use 12 AWG, 300V, 60°C rated stranded wire.

15. Can I extend a linear fixture like the regular track system?

No. The adapter is too small to allow any modification.

16. Is the Linear System suitable for use in an outdoor setting?

No. The Linear System is intended for use in dry locations only.

17. Is the Linear System conduit feedable?

The surface mount transformers have an adapter to accept BX or Romex© connectors on the primary side. You can also use the SBXLE, it provides a standard sized opening that accepts BX or Romex© wires and encloses that live end.

18. Are all of the connectors feedable?

Only the live end (SLE) accepts power wires, even if you are using the SFC-150E floating canopy feed, you will need to order one or more live ends (see diagrams 1 & 2).

19. If using the SFC-150E Floating Canopy Connector with transformer, do I need a live end?

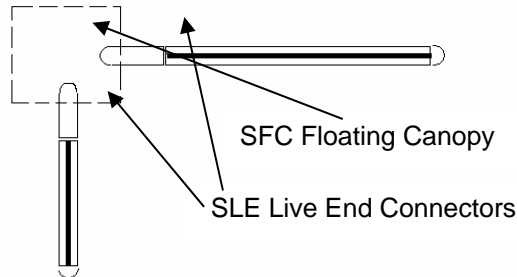
Yes – the SFC-150E floating canopy conceals a 150W electronic transformer, and wire connections. There are four "breakouts" in the floating canopy. Tracks can enter to form an "I", or "L" or "X" configuration. Live ends (SLE) are required to power the tracks from the floating feed (see diagrams 1 & 2).

20. Can the floating canopy connector power a track anywhere along the length?

No, but it appears to. The floating canopy does not power a track. Power feed is always accomplished through a live end connector, sold separately. The canopy serves to conceal the live end wiring. The SFC-150E also conceals a transformer (see diagrams 1 & 2).

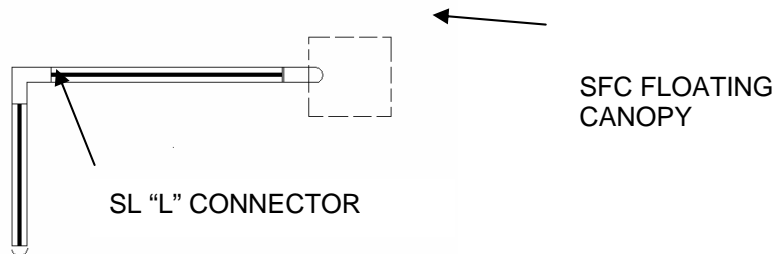
If you wish to power two track sections using a power source at the center joint you would need two live-ends at each track and one SFC.

DIAGRAM 1



If powering from one source simply continue the run with the connector. The SFC conceals the outlet box.

DIAGRAM 2



21. Do you have a device that enables me to mount a track from the wall?

Yes – the wall bracket (SWB) extends the track 16 inches off the wall. You will need two SWB kits for each section of track. A live end is required to power the track. For a finished look (to conceal the track, the wire and the live end and to provide proper rigidity), you must use a SCx track carrier, sold separately.

22. How do I achieve the look of a “hidden light source” under my cabinet?

You may use the SLB Light Baffle (available in white or platinum) to shield the light source. They come in 4’ or 8’ sections, are field cuttable, and can be painted to color-match any surface.

23. How many Live Ends do I need for a 40’ run of linear track around the perimeter of a room using SBH-101 fixtures?

The number of live ends required depends on the load. Say, you are putting (4) SBH-101 (3W each) fixtures per foot. That is 12 watts per foot x 40ft = 480 total watts.

The 3W lamp is only available in a 12 volt version. To avoid a voltage drop, we suggest that you use a 500W transformer which has (2) 250W 12volt outputs and (2) live ends. Your two runs of 240 watts do not exceed the tracks capacity or the 20ft run length limitation.

24. I have a 4’ linear track with 35W fixtures on it. Can I hook up two transformers to the track because one is not strong enough to power all the fixtures?

No, divide the track in two sections and two power feeds (live ends). Wiring two transformers together will cause immediate system failure.

25. I need some track lighting for use in the UK. Are linear system rated 50/60 Hz?

You may use the EN-12 Series or the SST Series electronic transformer in this application. They are rated 50/60Hz. The magnetic SRT series transformers are only rated 60Hz.

26. Will any of your linear track heads take color lenses?

Yes, all of the small halogen fixtures may be fitted with a variety of color lenses, filters and louvers. They simply replace the clear lens that comes with the fixture. The only exception is the SF-214 that requires the addition of a lens clip only available in the MR16 size.

27. What are the differences between the Xenon lamps/fixtures? Are there any advantages of one over another?

The two are designed for specific applications. The halogen fixtures employ MR11 and MR16 lamps and provide a higher level of lighting. The Xenon lamp fixtures employ smaller wattage lamps and are designed for use where a subtle light source is required – cove lighting, in/under cabinet, toe space, etc.

28. I noticed that the socket wires on linear track heads are short and don't permit the light to be directed toward the track. Is this intentional?

Yes, the directed heat can damage the ceiling or track. They are designed to shine away from the track.

29. Can linear fixtures be mounted as monopoints?

No. However many of the styles were derived from the standard low volt track head series, which can be made as monopoints.

FLEXRAIL2 – FREQUENTLY ASKED QUESTIONS
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1. Is your Flexrail2 system UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. What type of material makes up the rail?

Flexrail2 is a semi rigid plastic extrusion encasing an aluminum core. The bus wires inside the rail are 12 AWG copper.

3. How do I feed power to the rail?

There are two different types of power feeds for the Flexrail2. One is a rigid feed that matches up to our standard standoffs. The other is a flexible feed that would be used when the standoffs are cut to a non-standard length or in a sloped ceiling situation. They both cover a standard 4 inch octagon box and can be used anywhere along the Flexrail.

4. How does the rail mount to the ceiling?

It is mounted to fixed length standoffs that are available for flat, sloped, or suspended ceilings.

5. What are the basic components for a complete Flexrail2 system?

- The rail itself.
- Power feed, either the rigid stem or flexible cable type.
- Rail supports (standoffs). Three per 8' section or every 42".
- More should be used when using heavy fixtures such as the compact fluorescent and metal halide track heads.
- Fixtures.

6. What is the capacity of Flexrail2?

Flexrail2 is a two circuit system and each circuit is rated at 20 amps, therefore the capacity of the system is 2400w per circuit or 4800w total. We recommend de-rating to 80% so that no circuit exceeds 1920W. De-rating is also advised when multiple connection points are being used.

7. How long can I make a Flexrail2 system?

Since it uses 120 volts the rail is not limited by voltage drop issues. You will need to consider the maximum capacities in your system design.

8. How do the fixtures connect to each circuit?

The same fixtures are used for either circuit. The fixture connector is rotated 180° to change which circuit the fixture operates on.

9. Can I field cut the Flexrail2?

Yes, the rail can be cut to a desired length with a chop saw or hacksaw. Additional end-caps may be purchased if needed.

10. Is the Flexrail2 system dimmable?

Since the Flexrail2 track has a shared neutral between the two circuits, only one circuit may be dimmed. The compact fluorescent and metal halide fixtures are not dimmable.

11. How many fixtures are available for the Flexrail2 system?

The Flexrail2 track system has 90 different track heads and glass pendant designed just to work with Flexrail2. These units are the "HM" series featured on our website and in our second edition 2005 catalog. In addition, by using the quick connect transformer adaptor (HM-EN50-PT) you can use any element from the quick connect family, that gives you an additional 300+ elements you can use with the system.

12. You have a series of decorative fixtures called 'Quick Connect', what does that mean?

"Quick Connect" is a means of quickly installing low volt fixtures similar to a plug in jack. Either a fixture or a pendant can connect to a rail mounted transformer (HM-EN50-). The advantage of this system is the ability to easily use any of the over 300 low voltage Quick Connect elements. In addition, this feature allows the same elements to be used on other systems, such as Monorail, Monopoints and Multipoints, conventional line volt track, and the Linear track system.

13. Can we install the quick connect fixtures while the rail is powered?

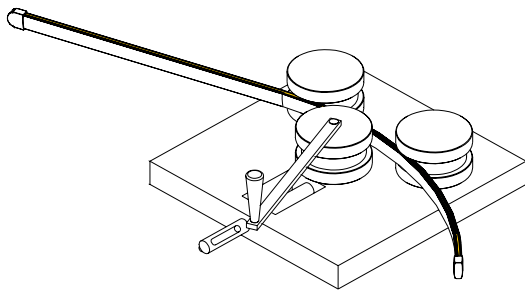
No. The system must be powered off before attaching any fixtures.

14. Can we order rail in pre-curved sections?

Yes. There are a series of 22" long sections in 30°, 45°, 60°, and 90° angles available. These sections are best used to make a track transition, but not to use in an entire layout.

15. How is field bending accomplished?

Hand bending is possible, but we do recommend using the bending tool for attaining smooth and consistent curves. The bending tool, HM-BM, is available through your local distributor. The recommended minimum radius for bending is 23".



Bending tool

1. Is your low voltage Monorail system UL listed?

Yes, it is UL & CUL listed. You can find listed products at www.ul.com.

2. What components do I need to build a complete Monorail system?

The basic components of a monorail system are as follows:

- A. Transformer
- B. Power feed
- C. Rail
- D. Rail supports
- E. Fixtures
- F. Quick Connect Jacks (Adaptors)

3. What is the capacity of Monorail?

Mono rail is rated at 25 amps: this means a 12 volt system has a maximum capacity of 300 watts.

A 24 volt system has a maximum capacity of 600 watts.

4. What if I need more wattage?

You can use more than one power feed. Utilizing multiple power feeds between non-conductive I-connectors (I-DEC) gives you the appearance of one continuous run. Each section can then have up to 300W at 12V (or 600W at 24V).

5. How long can I make a Monorail system?

There are two considerations, capacity and voltage drop. In terms of capacity it can have as many power feeds as is necessary to support the wattage. In terms of voltage it is limited to the distance power can travel through the rail. Consult your transformer spec sheet or FAQ for the corresponding voltage drop chart.

6. When powering from a remote transformer, what gauge of wire should I use between the transformer and the power feed?

A minimum 10 AWG wire should be used. Heavier gauge wire is needed if the transformer is not within close proximity to the power feed. Consult your transformer spec sheet or FAQ for the corresponding voltage drop chart.

7. When I installed a dimmer on my Monorail System, the transformer started to buzz, what can I do about it?

Check that you have the correct dimmer switch for the type of transformer you are using (i.e. electronic low voltage dimmer with a electronic transformer, low voltage magnetic dimmer with a magnetic transformer). With magnetic transformers (surface mount or remote) a de-buzzing coil may be added in-line between the dimmer and the transformer. An integral de-buzzing coil is included with all of our surface mounted magnetic transformers.

8. How does the Monorail attach to the ceiling?

The most common method is by rigid standoffs which are available in various lengths. We recommend 3 supports for an 8ft section of rail however a tightly curved rail may require more. We offer two variations of standoffs, one to fit on standard T-bar grid ceilings, and one to fit slopped ceilings. Cables are available 96" in length and are easily adjustable to shorter lengths.

9. Are the rigid standoffs field cuttable?

Yes the standoffs may be easily cut to custom lengths. The standard sizes range from 3" to 5 ¾" and additional rods are available to 48".

10. Can I get longer standoffs?

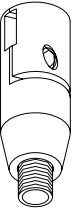
Longer standoffs are accomplished by using a coupler to join two rods together.

11. Can I field cut the Monorail?

Yes, the mono rail can be cut to any desired length. Additional end-caps may be purchased.

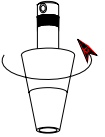
12. What is a 'Quick Connect' element?

"Elements" are a series of low voltage fixtures or pendants that connect to a Quick Connect Adaptor (Jack). The adaptor then attaches to the rail to provide a simple connection for the elements. The advantage of this system is the ability to easily use any of the over 300 low voltage Quick Connect elements on the Monorail system. The Quick Connect feature allows the same elements to be used on other systems, such as Flexrail2, Monopoints and Multipoints, conventional line volt track, and the Linear track system.



13. Is your Quick Connect compatible with other systems?

Yes, our Quick Connect male end will fit into certain other manufacturers systems. Contact the factory or your local WAC Lighting supplier for compatibility information.

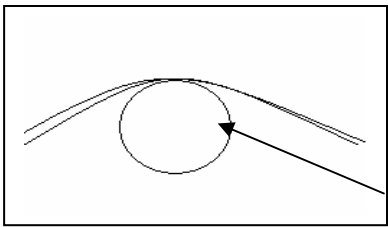


14. Can we install the quick connect fixtures while the rail is powered?

No. The system must be powered off before attaching any fixtures.

15. Can we order rail in pre-curved sections?

No: Mono rail is shipped in straight tubes and is easily bent in the field. For the cleanest and smoothest bend, work rail over a round object. Work to progressively smaller radiuses. Minimum radius is 12".



Minimum radius 12"

16. How about the fixtures? Can they be field cut?

The fixtures on rods have socket wires running through the centers and can not be cut.

17. Can the pendant socket sets be field shortened?

Yes socket sets are supplied in 6 foot lengths and may be cut to a desired length. Follow the instructions supplied with the socket set when field shortening.

18. Can sockets be ordered in longer than 6-foot lengths?

A six-foot drop is the maximum length. However certain socket sets are available in longer lengths but, not offered in our catalog because voltage drop reduces performance. Contact customer service or the technical department for availability.

19. Your surface mount transformers seem heavy. Can it be attached to a standard fixture box?

They are designed to go on 4" junction boxes, but the box must be braced securely to the joists to support the weight of the transformer.

20. Do you have a kit that comes with all the basic components?

Yes, we have kits that include the basic system components. You can then select a complete element kit to complete the system or mix and match track heads and pendants to meet your individual needs.

21. What material is the rail made of?

Monorail is composed of two copper conductors separated by a plastic insulator.

22. How does power enter the Monorail?

Through a power feed adapter. A power feed adapter is a two-piece assembly that clamps around the rail and energizes conductors. It is included in all surface mount transformers. Powers feed canopies cover a junction box and are used with remote transformers. There are variations to mount from walls and a cable power wire for slopped ceilings.

23. How do I know whether to go with a 12 or 24 volt system?

This isn't an easy question to answer, please read the following scenario:

Project: You are the counter person at a lighting showroom. Your customer would like to use a rail system in their kitchen. They need 6 spotlights and three pendants over an island. It will be a 15-foot run. Where do you begin to plan out this system?

The thought process is essentially this:

- a. How many watts will all the fixtures total?
- b. How long of a run?
- c. Given the run length and wattage load, which power supply makes more sense - the 12 or the 24-volt?
- d. Given the maximum 300 watts for 12 volts and 600 watts for 24 volts, which power supply makes more sense?

For example, if all the fixtures in the above scenario are 50 watt, you'll be working with a total of 450 watts. A 12-volt system could be considered because the run is 15 feet. However, due to its maximum wattage of not more than 300 watts per run, this rail would have to be divided into two separate runs with two power feed sources.

In this scenario a 24-volt system will be more economical. The maximum wattage is now 600 watts and only one power feed and transformer are necessary. This will also give you a cleaner look. The homeowner has to be made aware that it's a 24-volt system and that replacement lamps are not as common as 12-volt lamps.

Lets assume you are going to do a 24-volt installation with a 600w remote magnetic transformer, this might be the project parts list:

- | | |
|--|-----------------------------|
| 1. Six quick connect style spot lights | QF-194 ^① |
| 2. Six shades* | G116 ^① |
| 3. Six MR16 lamps 24V, 50 W | MR16-EXN-24V-G ^② |
| 4. Three pendant sockets | G501 ^③ |
| 5. Three pendant shades | G513 ^① |
| 6. Nine quick connect adapters | LM-QADP |
| 7. Two 8ft mono rails | LM-T8 |
| 8. One "I" connector | LM-I |
| 9. One power feed canopy | LM-CPC |
| 10. Approximately five ceiling standoffs | LM-X3 |
| 11. One remote 24V, 600W transformer | SRT-600M-12/24V |

^① For example.

^② Use glass covered lamp

^③ Supplied with a lamp.

MONOPOINTS & MULTIPOINTS – FREQUENTLY ASKED QUESTIONS

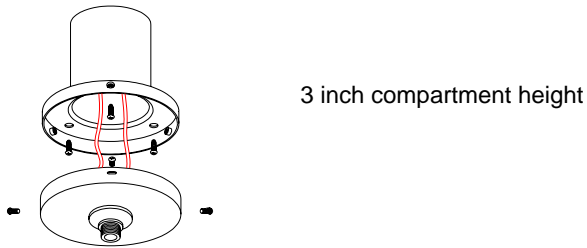
1. Are your Monopoints and Multipoints UL listed?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. What fixtures can I use with the W.A.C. Lighting Monopoints and Multipoints?

All of our **Quick Connect** fixtures (pendants or track heads) will work on the Monopoints and Multipoints.

3. **Is a Quick Connect Adapter needed with the Monopoints or Multipoints?**
Quick Connect fixtures mount directly to the Monopoints or Multipoints, a separate adapter is not needed.
4. **What is the maximum wattage for a mono / multipoint?**
50 watts is the maximum wattage.
5. **Do any of your Monopoints / Multipoints allow the use of a remote transformer?**
Our QMP-M1RN-TR and QMP-MI Monopoints allow the use of a remote low voltage transformer. The Multipoints all have integral electronic low voltage transformers.
6. **Can I dim the Monopoint and Multipoints?**
Yes. We recommend an electronic low voltage dimmer. Where a remote transformer is used, dimming can be accomplished by utilizing a dimmer to match transformer type (e.g. low voltage magnetic dimmer with a magnetic transformer).
7. **Can the Monopoint and Multipoints be wall mounted or used on a sloped ceiling?**
They are designed for flat ceiling use only.
8. **Does the QMP-MI need a junction box? If it doesn't go on a junction box, how does it mount to a ceiling or surface?**
It does not need a standard junction box. It comes with a wiring compartment that is attached with screws to the ceiling surface. The wiring compartment has a standard size knock-out on top and is 3" in height. (See diagram).



9. **I am using a multi-point unit with some glass pendants in my kitchen. Can the pendant socket sets be field shortened?**
Yes socket sets are supplied in 6 foot lengths and may be cut to a desired length; follow the detailed instructions supplied with the socket.
10. **One of the pendant fixtures on my 3 light Multipoint does not light, should I try it in another quick connect fitting?**
No, doing that can harm the other transformers. Remove the inoperative fixture immediately. Take one of the operating units and install it in the inoperative location. If it works there then the problem is in the fixture, and will most likely be caused by a faulty splice connection. Review the splice according to the instructions furnished. If the working pendant does not operate in that location then the transformer in that location may have shorted out due to the previous fixture. You can contact your distributor for a replacement or phone our Account Management Team at 800-526-2588 for assistance.

LOW VOLTAGE WALL SCONCES – FREQUENTLY ASKED QUESTIONS

1. **Are your Wall Sconces UL listed?**
Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

- 2. Do the Wall Sconces come with shades and lamps?**
All the Wall Sconces come with a 50W halogen bi-pin lamps and an integral electronic transformer. Shades are ordered separately, please consult your current W.A.C. Lighting catalog or check our website, www.waclighting.com, for our current selection.
- 3. Can I substitute xenon lamps for the standard halogen type? What is the difference?**
Yes. Xenon lamps can be used if desired. Xenon lamps will give slightly less light than halogen, but offers almost twice the average lamp life.
- 4. Can I dim the low voltage Wall Sconces?**
Yes. Each is supplied with an integral 12V electronic transformer. It is recommended that these transformers be dimmed with an electronic low voltage dimmer.
- 5. Can I use a remote transformer with the Wall Sconces?**
No. Each sconce comes with an integral electronic low voltage transformer.
- 6. How do the Wall Sconces mount to the wall?**
The Wall Sconces mount to a standard 4" fixture box.
- 7. Are these Wall Sconces available in an ADA version?**
No. These wall sconces are designed for use in residential and light commercial applications where the ADA code is not applicable.
- 8. In what applications would I want to use these Wall Sconces?**
The most common uses would be to illuminate a hallway, or living area. They are also often used as companions to pendants using the same glass shade styles.

LINE VOLTAGE WALL SCONCES – FREQUENTLY ASKED QUESTIONS
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- 1. Are your Wall Sconces UL listed?**
Yes, they are UL & CUL listed. You can find listed products at www.ul.com.
- 2. Do the Wall Sconces come with shades and lamps?**
All the line volt Wall Sconces come with a 60W candelabra base incandescent lamp. Shades are ordered separately. There are three families of sconces offered, all with different shade selections. Please consult your W.A.C. Lighting 2005 Second Edition catalog or check our website, www.waclighting.com, for our most current selection of wall sconce canopies and shades.
- 3. Are your Wall Sconces available in ADA versions?**
Yes. While many of our Wall Sconces are designed for use in residential and light commercial applications where the ADA dimensions are not applicable, we do have a series of Wall Sconces that are fully ADA compliant. You can tell which ones are our ADA versions based on the model number of the Wall Sconce (also called a canopy). The ADA models have an ADA in their model number, i.e. the WS-ADA130 is an ADA Wall Sconce with an overall projection from the wall of 3 7/8".
- 4. What does ADA mean?**
It refers to the "Americans with Disabilities Act", which limits the projection of a fixture off the wall to less than 4" so that wheel chairs or sightless people have easier passage.
- 5. Can I dim the W.A.C. Lighting Wall Sconces?**
Yes. They can be dimmed with almost any dimming system.
- 6. In what applications would I want to use these Wall Sconces?**
The most common uses would be to illuminate a hallway, or living area. They are also often used as companions to pendants using the same glass shade styles.
- 7. How do the Wall Sconces mount to the wall?**
The Wall Sconces mount to a standard 4" fixture box.

LOW VOLTAGE PENDANT FIXTURES – FREQUENTLY ASKED QUESTIONS

1. Are the Pendant fixtures UL approved?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What are the different ways I can order pendant fixtures?

There are two options.

A. As part of a track system: The fixture is equipped with a 50W electronic transformer.

- 3-wire track. PD-HHT fixture for “H” tracks
- 2-wire track. PD-LHT fixture for “L” tracks
- Wide 2-wire track. PD-JHT fixture for “J” tracks
- 2-circuit track. PD-JHT fixture for “J2” tracks-requires use of “J-CLIP”

B. As a single surface mount monopoint light.

- PD-MI - On a mini 2½” diameter monopoint, requires a remote transformer.
- PD-ME - On a 4½” diameter monopoint, with a built-in 50W electronic transformer.
- PD-MO - On a 4½” diameter monopoint, requires a remote transformer.

3. What type of dimmer do I use with these fixtures?

Hanging Method	Transformer Type	Dimmer required
<u>Track system</u> HHT, LHT, JHT fixture	The transformer box encases a 50W electronic transformer.	Electronic low voltage.
<u>Surface Mount Monopoint System</u> ME fixtures	The 4½” monopoint conceals a 50W electronic transformer.	Electronic low voltage.
<u>Surface Mount Monopoint System</u> MI and MO fixtures	Separate transformer required. You may use any of the following: EN-12 series electronic transformers SRT-300M, SRT-500M, SRT-600M or SRT-1000M magnetic transformers.	Corresponding to the transformer type: Electronic low voltage. b. Magnetic low voltage.

4. In what lengths and colors do the pendant fixtures come?

The cord/socket sets are available in 48” and 96”, in both black and white.

5. What is included in the socket set?

The socket set includes a socket, a 12V 50W JC-Bi-pin lamp, and a frosted bulb shield and either a 48” or 96” cord in black or white.

6. Can the pendant fixtures be field shortened? If so, which end of the cord do I shorten?

They can be shortened to any length by cutting the socket wire from the socket side. The procedure is described in detail in the product instructions.

7. What does the “hang-straight” tube accessory do?

It is a plastic sleeve (like a straw) that goes over the cord to obtain a perfectly straight drop. Often times, pendant wires do not hang perfectly straight as the glass is too light to keep the cord straight. It gives the appearance of a metal rod, but has the flexibility to be cut to any length.

8. What finishes are available on the monopoint fixtures?

All three styles, PD-MI, PD-ME and PD-MO are available in black, white, and brushed nickel.

9. Are the pendants available in lengths longer than 8'?

The longest we have is 8'. The reason we can't go any longer is to avoid a voltage drop.

10. Can I order the track version of the pendants in a 75W?

No – they are only rated for 50W.

11. Is the bulb shield replaceable?

Yes, the fixture should always be operated with the shield in place.

12. How can you mount a pendant light on a sloped ceiling?

The canopy (PD-ME, PD-MI, PD-MO), is installed as usual on the sloped ceiling. The cord makes the bend. When using the hang straight tube, there will be a slight gap at the top fitting. (It is designed to fit inside the fitting which causes the slight gap when sloped).

13. What is the difference between Low volt pendants and “Quick Connect” low voltage pendants?

“Low Volt Pendants” are a separate family of fixtures. Their connection to a canopy or transformer is one integral piece. They are not designed to be interchanged with other systems. They have their own unique shade designs and do not use shades from the “Quick Connect” series.

LINE VOLTAGE PENDANTS – FREQUENTLY ASKED QUESTIONS
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1. Are the W.A.C. Lighting Line Voltage Pendants UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.
The single monopoint unit (PLD-MO96) is ETL listed.

2. What are the different ways I can order the pendant fixtures?

The pendants are ordered as two line items, the shade and the socket set. First you choose your shade then you determine the hanging method. You have the following hanging options:

A. As part of a track system, you will simply determine the track system:

- For the H track order the PLD-HTK96 socket set.
- For the L track order the PLD-LTK96 socket set.
- For the J track order the PLD-JTK96 socket set.
- For the J2 two circuit track order the PLD-JTK96 socket set along with an equal amount of J-CLIP's.
- For Flexrail2 two circuit bendable track order the (HM-SOC96-PT) socket set.

OR

B. As a single monopoint light:

- Order the (PLD-MO96) socket set which comes with a 4½” canopy that covers a standard junction box.

3. Can I get pendants longer than 8'?

They only come in one length - 96” from the factory. However, we can supply longer lengths of the same wire. Contact your local W.A.C. Lighting representative or the W.A.C. factory for ordering information.

4. Can the pendant fixtures be field shortened? If so, which end of the cord do I shorten?

Cord length adjustment is easily accomplished on track models by unscrewing the bottom portion of the holder, and trimming the socket wire to the desired length from the socket side, monopoints may be shortened at either end.

5. How can you mount a pendant light on a sloped ceiling?

The canopy or track fixture is installed as usual on the sloped ceiling. The cord makes the pendant hang straight.

6. Do you offer a “Hang-Straight” tube for the line voltage pendants ?

The tube accessory is not necessary for the line voltage pendants as the weight of the shade is sufficient to pull the cord straight.

7. What is included in the socket set?

The socket set includes the socket, a 96” 3 conductor cord, and a holding ring to secure the shade to the socket holder.

COUNTER BALANCE ADJUSTABLE PENDANTS – FREQUENTLY ASKED QUESTIONS

1. Are your Adjustable Pendants UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. Do the Adjustable Pendants come with shades and lamps?

All the Adjustable Pendants come with xenon lamps and integral electronic transformer(s). For the 4, 5 and 7 light fixtures, white glass cylindrical shades are included.

The 1, 2 and 3 light fixtures use shades from our G500 series, these shades are ordered separately.

3. Can I substitute halogen lamps?

No, xenon lamps must be used in these fixtures since there is no protective lamp covers.

4. Can I dim the Adjustable Pendants?

Yes. Each is supplied with an integral electronic transformer. These transformers can be dimmed with electronic low voltage dimmers.

5. What is the drop length of the Counter Balance Adjustable Pendants?

The maximum length of the fixture drop is 72”, and the minimum is 36”. We have found this to accommodate most applications where the AP series adjustable pendants are used.

6. Your rectangular Adjustable Pendants are not wide enough to cover a ceiling junction box. How do I cover it?

Included with each rectangular Adjustable Pendant is an octagon junction box cover plate in a matching metal finish. If you do not like the color you can paint it to match the color of the ceiling.

7. How do I adjust the fixture height?

Each fixture has a counter weight that slides up and down. Some models come with spring loaded locks at the ends of the counter weight, depress the locks to release, then pull up and down to adjust the height. Care should be taken not to kink or twist the cables, as they are low voltage conductors as well as support cables.

8. Do the Adjustable Pendants have to be installed centered over the junction box?

Yes, the mounting plate permits only centered mounting.

NORFOLK DECORATIVE PENDANTS AND SCONCES – FREQUENTLY ASKED QUESTIONS

1. Are your Norfolk fixtures UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What is the difference between a glass bowl and an acrylic bowl?

The glass bowl is used with incandescent lamps and acrylic with compact fluorescent lamps. The acrylic is also much lighter than glass and is the only choice for larger models.

3. Why would I want to use incandescent lamping over fluorescent lamping?

Incandescent lamps are a good choice when you need to dim the fixtures. Fluorescent lamps provide better economy by providing longer lamp life and more light output.

4. Can the fluorescent models be dimmed?

Yes, but they are not a standard item. Fixtures must be retrofitted with ballasts to match the dimmer type. This is a custom item requiring longer lead times and assistance from the Tech support department.

5. I want to order a pendant and sconce with a different metal finish, is that possible?

Refer to the current second edition 2005 W.A.C. Lighting catalog or our website, www.waclighting.com, for our current finish selection.

6. What voltages can these fixtures accept?

The incandescent units are rated at 120V and the fluorescent units come with universal ballasts good for either 120 or 277 Volts.

7. What is an ADA wall sconce?

ADA stands for the Americans with Disabilities Act. When you see a sconce with this designation you will know that it stands no more than 4" away from a wall. This is often required in commercial applications where the fixtures will be mounted at 6' or lower.

8. What is the recommended application for the Norfolk sconces?

The Norfolk series of luminaires is designed for commercial and light commercial applications where you need a decorative luminaire that will provide a good amount of diffused light into a space.

9. Please explain the three mounting options for Norfolk pendants?

The standard Norfolk drop pendant can stand anywhere between 2' to 7' below the ceiling. The ceiling mount and close to ceiling mount units stand less than 1' below the ceiling. The ceiling mount, as the name implies, mounts directly to the ceiling. The close to ceiling mount comes with a short, decorative standoff to provide for easier maintenance and a more decorative look in applications where you have a shorter ceiling height.

10. Can Norfolk pendants be mounted to a slopped ceiling?

No. Fixtures are not designed for slopped ceilings.

11. You mentioned pendant drop lengths from 2' to 7', how is that accomplished? Can the drop lengths be field cut?

In addition to the down rod supplied with the fixture additional extension rods (available in 6,12,24, and 36 inch lengths) may be coupled to achieve longer drops. The rods are fixed length and do not allow field cutting.

12. What type of ballast do you use in your CFL Norfolk units?

Norfolk sconces and pendants feature high efficiency electronic ballasts (120V/277V) that provide instant starts and long lamp life.

LOW VOLTAGE RECESSED CEILING LIGHTING

1. Are these products UL listed?

Yes they are UL & CUL listed, you can find listed products at www.ul.com.

2. You have many categories of low voltage trim styles, how do I select one?

Trims are arranged by aperture size even though all use MR16 lamps (with the exception of the HR-D329 shower trim). We have 3", 4" 5" and 6" aperture sizes. The basic choices are based on aesthetics of the various trims.

3. How do I decide which trims fit which housings ?

Every trim has a series of corresponding housing choices. Consult the catalog or web site.

4. How do I choose a housing?

You need to first determine whether this is a new construction or a remodeling situation. Then determine if the housing will be in contact with insulation (I/C housing) or not (Non-IC). Next determine your wattage requirements. The greatest range of housing options can be found in the 4” Diecast series. Check our catalog for dimensions and applicable trims. A matrix or our 4” magnetic transformer housings is shown below.

<u>FEATURE</u>	HR-8401H	HR-8401HF	HR-8402H	HR-8402HF	HR-8402HL	HR-8402HFL	HR-8403H	HR-8403HF
Wattage	50W	50W	50W	50W	75W	75W	50W	50W
Input	12V	277V	12V	277V	12V	277V	12V	277V
Usage	Remodeling	Remodeling	New construction	New construction	New construction	New construction	New construction	New construction
Lamp type	20-50W max MR16	20-50W max MR16	20-50W max MR16	20-50W max MR16	50-75W max MR16	50-75W max MR16	20-50W max MR16	20-50W max MR16
Insulation	3" clearance (Non I/C)	3" clearance (Non I/C)	3" clearance (Non I/C)	3" clearance (Non I/C)	3" clearance (Non I/C)	3" clearance (Non I/C)	Direct Contact (I/C)	Direct Contact (I/C)
Replacement Transformer	HR-8001	HR-8001F	HR-8002	HR-8002F	HR-8002L	HR-8002FL	HR-8003	HR-8003F

5. Can the trims be installed without a can or housing?

No, you must use a can or housing with the trims.

6. Is there a low volt remodeling housing rated for insulation contact?

No. The IC rating is only found in new construction housings.

7. Can the hanger bars on your HR-8400 series new construction cans be moved to accommodate joists running perpendicular?

Yes, hanger bars can be used on all four sides of the housing.

8. Can your housings be used on a drop ceiling? If so, how?

Yes, Use a new construction housings. The hanger bars rest on the top of the “T” bars and are secured in position.

9. Can these fixtures be installed in the bathroom?

Yes - they are suitable for damp locations (porch or bathroom), but not wet locations (above a shower or outdoors).

10. Are these fixtures suitable for up-lighting?

Yes.

11. I have a concrete ceiling, must I use housings with low volt trims?

Yes. National electrical codes require the use of housings for all installations.

12. Can low volt trims use accessory lenses?

Yes – trims may be fitted with an accessory lens (such as a frosted or colored lens) in place of the clear glass lens supplied.

13. How do I know when to order sockets, and when not to order sockets?

All housings are equipped with sockets. Only the HR-8425 requires a special socket, and it is supplied with the trim.

14. Can the housings be installed in the attic where it gets really hot in the summer?

The magnetic transformers (rated class “H”), has a 80°C or 176°F heat tolerance. They are a better choice to be installed in the attic.

15. How much current does each 50watt lamp draw?

50/120V = 0.42Amp.

16. Do any of the fixtures come with bulbs?

No – you may purchase the MR16 lamps separately.

17. Why would I want to use a remote transformer separate from the housing?

A remote transformer is a disadvantage with ceiling recesses lights. The wiring must use the same techniques and enclosures as used with line voltage. It's easier to bring wires right to a junction box that's attached to the housing.

18. I am concerned with a voltage drop in my application. Do you have any guidelines on the subject?

This is only an issue when using either the HR-800 or HR-806 To minimize a voltage drop and lessened light output, the transformer should be located as close to the fixture as possible. A drop of 5% or less is generally acceptable. The chart below is a guideline to keep the drop below 5%.

WIRE SIZE	35W	50W	75W
18 gauge	8'	8'	6'
16 gauge	12'	12'	10'
14 gauge	16'	16'	14'
12 gauge	20'	20'	18'

19. Why would I choose a Magnetic transformer housing as opposed to an Electronic?

You may want to match existing lighting controls used in dimming systems. The magnetic transformer housings will require magnetic low voltage dimmers. We recommend low volt electronic dimmers for the electronic transformer housings.

LINE VOLTAGE DOWNLIGHTS – FREQUENTLY ASKED QUESTIONS

1. Are your line voltage downlights UL listed?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. How do I decide between which housings to use?

First you need to determine whether this is a new construction or a remodeling situation. Then determine if the housing will be in contact with insulation (IC housing) or not (Non-IC). Next determine your wattage requirements. Finally check your current W.A.C. Lighting catalog or our website, www.waclighting.com, for fixture dimensions and trims selection.

3. Can your housings be used on a drop ceiling? If so, how?

Yes, use a new construction housings. The hanger bars rest on the T-Bars and are secured in position.

4. I am not sure which trim I should use for my application, which type should I use for general ambient lighting?

Both the Basic Baffle and Open Specular will be good choices. The baffle helps reduce glare while the specular reflector will increase the spread of light from the fixture.

5. Can these fixtures be installed in a bathroom?

Yes - they are all suitable for damp locations (porch or bathroom) using any trim. Wet locations, above a shower or outdoors, require the use of specific trims. Consult your current W.A.C. catalog or our website, www.waclighting.com, for our current offerings.

6. What downlight is the best choice for installation in an attic or other hot environment?

The W.A.C. downlights are UL approved for most ceiling applications. For applications in unusually extreme conditions we recommend IC-Rated cans with PAR lamps. This combination will give you a housing and lamp that is the most durable and low maintenance choice for this type of environment.

7. Please explain what you mean by Air-Tight downlight and why would I want to use one?

Any air-tight rated downlight has demonstrated in an independent testing laboratory environment that it will prevent air flow through the fixture. This is important because it saves money in heating and cooling costs. Just as important, some state regulations are now requiring that new home construction use this type of downlight.

8. Do any of the fixtures come with lamps?

No. Our downlights use lamps that are readily available in all electrical supply centers.

9. The recessed lights I have in my bedroom are giving too much light. What can I do about it?

There are three simple solutions to your problem. 1. you may install a lower wattage lamp. With all incandescent downlights you can simply use the lowest wattage lamp available using the same base type. 2. you may use a coated specialty lamp. Most major lamp manufacturers are now making "color corrected" frosted incandescent lamps that provide a softer white light that does not seem as harsh as the light provided by a standard light frosted incandescent lamp. 3. you may install a dimmer to lower the light level. The additional benefit of this choice is it will extend your lamp life.

10. What is the difference between the remodel and new construction housings?

New construction housings are mounted to joists or T-Bar type ceiling grids. Remodel housings are used after a drywall ceiling is installed. A hole is made, the housing slips through and is mounted to the drywall panel with spring clips.

11. How do I choose between the different size downlights?

For aesthetic reasons you may want to choose the smallest aperture size, but consider the various lamp wattages available for the aperture size. For example a 4" fixture is limited to a 50watt maximum par lamp, which will be suitable for most 8' ceilings but not higher. Generally a 5" aperture will take up to 75 watts and a 6" to 150watt lamps (subject to trim compatibility as listed in the catalog). A lamp performance chart in the back of the catalog will help your selection.

12. How many downlights should I use to light a room?

This one of the most frequently asked questions, and one that does not have a standard answer.

The light level and coverage varies greatly with room usage. For general lighting applications a good rule of thumb is to space fixtures not more than half the ceiling height. For example if a room has an 8' ceiling you would not exceed 4' between fixtures. This ensures even coverage but may be far more than a den needs and less than a reading area or work station needs. Use this principle as a base line.

COMPACT FLUORESCENT DOWNLIGHTS - FREQUENTLY ASKED QUESTIONS

1. Are your Compact Fluorescent downlights UL approved?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. How do I decide between which housings to use?

We offer both single vertical lamp or double lamp horizontal housings. The vertical lamp position has superior photometrics but requires a high ceiling space. Evaluate your light level requirements and determine your lamp wattage. Consult your current W.A.C. Lighting catalog or our website, www.waclighting.com, for fixture dimensions and trim selection.

3. Can your housings be used on a drop ceiling? If so, how?

Yes, on a new construction housing, the hanger bars rest on the T-Bars and are secured in position.

4. Can these fixtures be installed in a bathroom?

Yes - they are all suitable for damp locations (porch or bathroom) using any trim. Wet locations, above a shower or outdoors, require the use of specific lensed trims. Consult your current W.A.C. Lighting catalog or our website, www.waclighting.com, for our current offerings.

5. Do any of the fixtures come with bulbs?

No. Our Compact Fluorescent downlights use lamps that are readily available in all electrical supply centers.

6. Why would I want to use a Compact Fluorescent downlight instead of an Incandescent downlight?

Compact Fluorescent downlights provide the same output as incandescent lamps but use only ¼ the amount of energy. So you could use a 26W CFL unit in place of a 100W incandescent unit. In addition the average life hours of compact fluorescent lamps far exceeds the hours of incandescent lamps. Most fluorescent lamps are rated 10,000 hours as opposed to 1500 hours for a halogen Par lamp.

METAL HALIDE DOWNLIGHTS – FREQUENTLY ASKED QUESTIONS
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1. Are your Metal Halide downlights UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What is the best application for a downlight utilizing a metal halide lamp?

These downlights are best used in areas where high footcandle levels, long lamp life and crisp white light are desired. Specific applications can include areas with high ceilings and retail environments. Additionally, any installation where you are concerned with long term economy and maintenance is a good candidate for a MH downlight installation.

3. Can these fixtures be installed in a gymnasium?

Although metal halide is used extensively in gyms, those fixtures are designed with wire cages to protect the lamps from being struck by a ball. Our down lights are for more subdued settings.

4. Do any of the fixtures come with the bulbs (lamps) included?

No. Our metal halide downlights use lamps that are readily available in all electrical supply centers.

5. Why are the lamps for metal halide so expensive compared to incandescent lamps?

In general, the longer the average life hours of the lamp the greater the initial cost.

The average halogen incandescent Par lamp is rated 1500 hours. The average metal halide Par lamp is 12,000 hours.

6. How do I choose between the different types of trims?

When you use a PAR lamp, the Step Baffle provides the cleanest aesthetics and the most diffused output. When you use an ED-17 lamp, the Open Reflector provides the best performance in terms of maximizing light output.

7. How do I decide on which ballast I should use in my application?

Your two choices are either a magnetic ballast or electronic ballasted new construction housing. The electronic ballast is the most desirable because it offers higher efficiency, longer lamp life, and shorter strike and re-strike times. The magnetic ballasts offer a lower an initial out lay.

MULTIPLE RECESSED SPOTS – FREQUENTLY ASKED QUESTIONS

1. Are the multiple spots UL listed?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. What are the different ways I can order the multiple spots?

We offer low and line voltage multi-spots in the following configurations:

Housing	Lamps	Wattage	Voltage	# of lights
MT-136	AR111/PAR36	50W	12V	1
MT-236	AR111/PAR36	50W	12V	2
MT-336	AR111/PAR36	50W	12V	3
MT-116	MR16	50W	12V	1
MT-216	MR16	50W	12V	2
MT-316	MR16	50W	12V	3
MT-138	PAR38	75W-150W	120V	1
MT-238	PAR38	75W-150W	120V	2

3. Can I dim these fixtures?

Yes. The low voltage Multi-Spots can be dimmed with electronic low voltage dimmers. The line voltage PAR38 units can be dimmed with standard incandescent or low voltage dimmers.

4. Are these fixtures adjustable?

Yes, each lamp has 45° aiming and 360° rotation

5. Do you have these fixtures available for remodeling applications?

No. These fixtures are designed for new construction applications or suspended ceilings.

6. Do these units come with hanger-bars?

Yes, they come with hanger-bars as well as brackets to fit over T-Bars.

7. What do I get when I order a W.A.C. Multiple Spot?

The Multi-Spot is made up of two components, the housing and the trim. The housing comes ready for installation in the ceiling. The low voltage housings come complete with low voltage electronic transformers. The trim is a separate line item since you must choose your desired color. Both parts need to be ordered to have a complete unit.

8. Can each lamp be controlled individually?

No. All lamps operate in unison.

PRECISION MODULES – FREQUENTLY ASKED QUESTIONS

1. Are your Precision Modules listed?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. Can Precision Modules be mixed?

Yes, as long as it's within the same size housing.

All 7" modules can be mixed within the same size housing (i.e. the 7 inch AR111 module can be placed in the same housing as a 7 inch PR30 module).

All 9" modules can be mixed within the same size housing (i.e. the 9 inch PR38 can be placed in the same housing as a 9 inch CDMT6-70 module).

3. Can I get a remodel version of the 9 inch module?

No. Remodel versions are only available in select sizes of the 4 and 7 inch series.

4. How do you lock the lamp holders in position?

There is a pair of locking hubs on each side of the module lamp holder. Insert any small tool into a hole in the hub and turn clockwise to tighten.

5. Why would I want to use the Snoot option?

The Precision Module series Snoot option (LENS-XXX-SNOOT) is used to reduce glare from all viewing angles. This is most helpful when the modules are at a lower mounting height or are in an area where customers may be viewing merchandise on a high wall or ceiling close to the modules.

6. What brand of HID ballast do you use in the 9 inch metal halide modules?

We use an Aromat electronic HID ballast. The ballasts carry the Aromat 5 year warranty.

7. What are recommended applications for the Precision Module family?

The Precision Module families are designed for use in retail, hospitality and commercial applications. In addition, the 4 inch MR16 units can also be used in residential applications.

8. What are the benefits of using the Precision Modules over standard downlights?

The variety of lamping and adjustability options means that you can have a more flexible and application specific lighting plan. The modules also blend into the ceiling environment and allow for easier maintenance than standard downlights.

9. Can a housing contain different type of lamp modules?

Yes. On the 4" housing only MR16 low volt lamps are used. On the 7" housing line volt Par lamps or low volt AR111 lamps may be used. The 9" housing has line volt par lamp, metal halide Par lamp, T4 metal halide lamps may be used.

10. Can the Precision Module family be dimmed?

The incandescent modules can be dimmed with a standard incandescent dimmer. A low voltage module should be dimmed with an electronic low voltage dimmer. The HID modules can not be dimmed.

11. Can individual modules be dimmed?

No. Dimming occurs in the line prior to the wire entry to the junction box on the fixture.

12. How do I change out a ballast or transformer from a module?

The modules are self contained units that include all the power components, including a ballast or transformer. Four screws can be removed from below and the module lowered from the housing. The wiring can then be accessed and a new module replaced.

13. What colors are available for the Precision Module family?

The Precision Module family is available in black.

14. Can Precision Modules be thru-branch wired?

Precision Modules are rated for branch and chain wiring.

15. Can modules work on more than one circuit?

No. Precision Modules are designed so that line voltage is introduced into the junction box of the housing and then distributed to the modules. Modules are factory installed and wired in the housing.

16. You mentioned that modules come pre-installed, is it possible to install housings first and install modules after the ceiling is finished?

At present it is not possible, however we are exploring several options including a protective snap off cover to protect modules until ceiling work is completed.

1. Are your Beauty Spots UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. Are Beauty Spots considered a recessed fixture?

No, the electrical compartment is recessed into the ceiling. The decorative plate (canopy), lamp and crystal shade are on the surface of the ceiling.

3. Can insulation be in contact with the housing (IC Rated)?

Although it looks like a housing it is actually a wiring compartment. Therefore it may come in direct contact with insulation.

4. Are Beauty Spots low voltage or line voltage fixtures?

Beauty Spots are low voltage fixtures. 12volt or 24volt xenon lamps can be used, depending on the transformer voltage.

5. What holds the fixture in the ceiling?

Both the wiring compartment and canopy are held by flat “butterfly” spring clips.

6. What are the dimensions of the wiring compartment and canopy?

The wiring compartment is 2” wide by 2 7/8” tall. The canopy is 1/8” thick.

7. What size cutout do I need for the canopy?

It is a 2 3/8” cutout.

8. Can I install these lights in cabinetry or in a soffit?

Yes beauty spots can be installed in wood, drywall, or even concrete.

9. Can I use the Beauty Spots in a bathroom?

Yes. The beauty spots are “damp listed” but can not be used directly over a tub or shower.

10. Can I install the canopy without the housing?

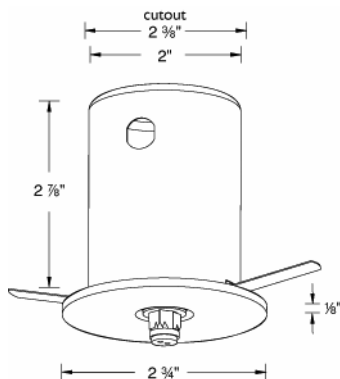
No. The housing is the wiring compartment and must be used in any installation.

11. How do the crystals fit onto the Beauty Spots?

The crystals are retained by a stainless steel tension spring. They snap on and off the base of the canopy without the use of any tools.

12. Can I change to a different color or style of crystal in the future?

Yes. Refer to the current second edition 2005 product catalog or check our website, www.waclighting.com, for our current crystal shade selection.



LOW VOLTAGE BUTTON/MINIATURE RECESSED – FREQUENTLY ASKED QUESTIONS

1. Are these fixtures UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What are the main features of these miniature low voltage fixtures?

FEATURE	HR- 86 <i>Button Light</i>	HR- 88 <i>Button Light</i>	HR-1135, 1136, 1137 <i>MR11 Mini's</i>	HR-1138, 1139 <i>Mini-Flush Lights</i>
Lamping	BP-20 Bi-Pin 12V 20W Xenon	JC-20Bi-Pin 12V 20W Halogen	MR11 12V 35W max	JC-20 Bi-Pin 12V 20W Halogen
Lamp Included	Yes	Yes	No	Yes
Transformer Required	Remote Class II	Remote Class II	Remote Class II	Remote Class II
Mounting Options	Surface or Recessed	Surface or Recessed	Recessed	Recessed

3. In what types of applications would you recommend using these Low Voltage fixtures?

They are ideal for shelving, cabinets and displays.

4. Can any of these fixtures be mounted in a drywall ceiling?

No. They are designed for use as cabinet style lights.

5. Please explain the mounting options for the Button Lights.

Each button light comes with a shallow back cover or “housing”. When used as a recessed fixture, you will not need the back cover. The cutout hole size is 2-3/8" (a pop-out template is included). If installed as a surface mounted fixture, you will need the decorative back cover.

6. What transformer can I use with these fixtures?

All of the LOW VOLT BUTTON / MINIATURE RECESSED units are UL listed as requiring a Class II transformer. We offer a plug in or a hard wired model.

7. What is a Class II transformer?

A Class II transformer is inherently limited to not more than 60 watts. It is a low energy device and considered intrinsically safe. Secondary wiring from a Class II transformer does not require conduit and clamp wiring techniques.

8. Can I order a frosted lens for the Button Lights?

Yes - LENS-45-FR.

9. Can I use a UV lens with the Button Lights?

No – our UV lenses are only available in the standard MR16 and MR11 sizes.

10. What is the length of the socket lead wire that comes with the Button Lights?

The length of the lead wire is 72". It may be spliced to additional wire for longer length. However heavier gauge wires should be used to avoid voltage drop (see table from question 15).

11. How many Button Light fixtures will I require on 6’ run under the cabinet?

Generally, from an 18" height, a Button Light (or any 20W mini fixture) will provide sufficient light for 20" – 24" of space. So a 6’ run will require 3 fixtures.

12. Do I need to order a housing (can) for the MR11 or Mini Flush Lights?

No - they each have a built-in housing as part of the fixture.

13. Are the HR-1138 and HR-1139 available with a clear glass cover?

No - just frosted.

14. In a low voltage situation (12V) like a motor home or a boat, would I require a transformer for my fixtures?

Most RV's and boats operate under 12V. Transformers are not necessary.

15. I am concerned with a voltage drop in my application. Do you have any guidelines on the subject?

To minimize voltage drop or reduced light output, the transformer should be located as close to the fixture as possible. A drop of up to 5% is generally acceptable. The chart below details a guideline to keep the drop below 5%.

LAMP WATTAGE

WIRE SIZE	35W	50W	75W
18 gauge	8'	8'	6'
16 gauge	12'	12'	10'
14 gauge	16'	16'	14'
12 gauge	20'	20'	18'

FLUORESCENT & XENON UNDERCABINET (LIGHT BARS) - FREQUENTLY ASKED QUESTIONS

1. Are the Xenon and Fluorescent undercabinet fixtures UL listed?

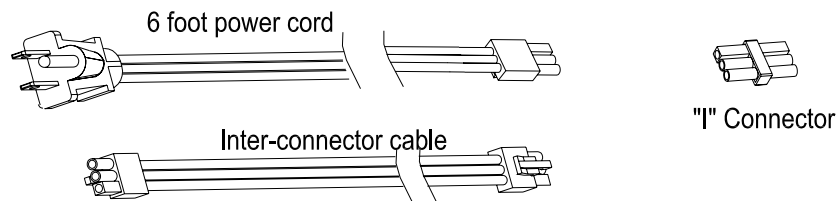
Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. Where and how many knockouts are on the Xenon and Fluorescent units.

The number and position varies with each fixture. There are knockout locations on both the back and sides of the undercabinet units. For more specific information refer to the product spec sheets available at our website, www.waclighting.com, or by contacting your local W.A.C. Lighting representative.

3. Can I connect several of these fixtures in a row? What is the limit?

Yes, you can connect fixtures totaling up to 700 watts. The fixtures are connected together by using the optional inter-connect cables or end to end by use of the "I" connector.



4. Can the Xenon lamps be changed to Halogen lamps?

No, the Xenon undercabinet fixture is only listed to operate with Xenon lamps.

5. If one of the lamps goes out on the BA-X unit what happens to the rest of the lamps?

If one lamp goes out the remaining lamps will stay illuminated.

6. How do you change the lamps on the Xenon under cabinet fixtures?

First you must remove the outer ring with a small flat head screwdriver. After that the lens will easily pop out. From there you can grasp the bulb at the socket end and pull out to remove.

7. Can I order an undercabinet fluorescent light bar with a dimming ballast?

No. They are only available with standard electronic high efficiency fluorescent ballasts.

LINE VOLTAGE UNDERCABINET (LIGHT BARS) – FREQUENTLY ASKED QUESTIONS

1. Are the BA-LIV Line Voltage Light Bars UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. What is the lamp requirement of the Line Voltage Light Bars?

They use JCD Bi-Pin 120V 25W halogen bulbs (supplied with fixture).

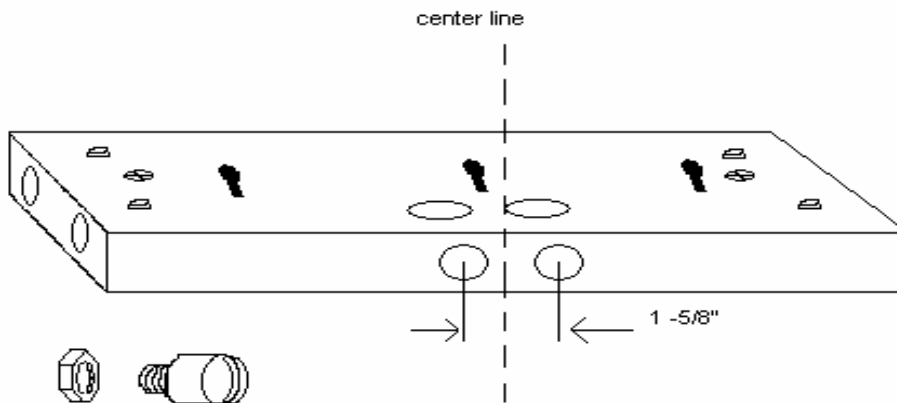
Model	Voltage	Lamps	Wattage	Length
BA-LIV-1	120V	1	25W 25W	6"
BA-LIV-2	120V	2	25W 50W	12"
BA-LIV-3	120V	3	25W 75W	18"
BA-LIV-4	120V	4	25W 100W	24"
BA-LIV-6	120V	6	25W 150W	36"

3. What is the difference between a BA-LIV-__P and a BA-LIV-__?

The "P" (portable) indicates that the fixture is equipped with a 9' cord and plug to be installed as a portable unit. The BA-LIV-__ is for direct wiring.

4. For direct wiring, how many knock-outs does the Line Voltage Light Bar have?

Top plate (that mounts onto surface): Two 3/8" knockouts for BX or ROMEX cables.
Back plate (faces the back splash): Two 3/8" knockouts for BX or ROMEX cables.
End Cap: one 3/8" knockout and one 1/2" knockout on each end for making continuous runs.
Fixture is supplied with adapters for trade size ROMEX & BX connectors.
The locations are from the center line of each fixture (except the BA-LIV3).



Adapter for connection to standard size BX or Romex connector.

5. How is chain wiring of fixtures accomplished?

The fixture is supplied with sufficient internal wire to reach any of the knock out locations. This is specialized high temperature wire, so do not run other wires through the fixture. However external wires may enter the fixture up to an 1 1/2" so that wire nut connections can be made.

6. How many fixtures can be wired together?

Fixtures combination may be wired together up to 700watts

7. Can the BA-LIV be dimmed?

Yes. They have a built-in Hi-Lo switch. When using an additional wall dimmer (a regular incandescent) be sure to leave the Hi-Lo switch in the high setting.

8. Can I use clear lenses instead of the frosted lenses supplied with the Light Bars?

Yes. You may purchase the LENS-BAL-CL lens to replace the supplied frosted lens. They are fitted with the frosted lens to reduce glare.

9. Can these fixtures be installed in a damp location?

Yes. They are suitable for damp locations, above a sink for example, but not wet locations.

10. Can the light bars be installed above a stove or fire place?

No. You need to install a fixture specifically designed for those applications.

LOW & LINE VOLTAGE SURFACE MOUNTS: LP, ME, MI, MM, MO and PAN

1. Are the Surface Mount fixtures UL listed?

Yes, they are UL & CUL listed. You can find listed products at www.ul.com.

2. Please provide specifications for the surface mount fixtures.

See the table below. Transformers are available in an integral or remote type. We have fixtures that will use either magnetic or electronic transformers.

STYLE	LAMPS	VOLTS	TRANSFORMER	MAX WATT	NOTES
PAN-802,809,826,	MR16	12V	Integral Electronic	50W	Mounts to standard fixture box.
PAN-101,102	GU10/ MR16	120V	NA	50W	Uses line voltage/ no transformer.
LP-007,900,808*	MR16	12V	Integral Magnetic	50W	9' cord and plug installed on when ordered with the "P" option
ME-007,900,808*	MR16	12V	Integral Electronic	50W	4 ½" diameter canopy mounts over standard J-box.
ME-101,102	GU10/ MR16	120V	NA	50W	Uses line voltage/ no transformer. 4 ½" diameter canopy mounts over standard J-box.
MI-1102,1126,1109***	MR11	12V	Remote transformer	35W	2 ½" diameter canopy (not for wall wiring). Available in black, white and brushed nickel
MM-204	MR11, MR16	12V	Remote transformer	50W	1" diameter canopy (not for wall wiring). Available in black, white and brushed nickel
MO-802,809,826*	MR16	12V	Remote transformer	50W	4 ½" diameter canopy mounts over standard J-box.
MO-024,048	A,G,,R,Par	120V	NA	150W	4 ½" diameter canopy mounts over standard fixture box. Line volt flexible fixtures.
* = Base stock models, custom fixtures selection includes most styles offered as standard low volt track heads.					
*** = MI (small canopy) fixtures can also be custom ordered with 50W MR16 low volt track head styles.					

3. What styles heads do you have for the LP, MI and ME units?

With the exception of our two line volt models, most of our low voltage track heads can be custom adapted to any of these canopies.

4. What is the difference between an LP-007 and an LP-007P?

The "P" (portable) indicates that the fixture is equipped with a 9' cord and plug to be used as a portable unit. The LP-007 is for direct wiring.

5. How do I order an LP, MI or ME with an 18" extension? What about with swivels?

These units can be extended 6", 12", 18", 24", 36" or 48". They are made to order items produced at our Garden City, NY facility. When the unit is extended, we do not supply the 6' cord and plug. To order, specify the style number, followed by the length and color, i.e., LP-808/X18-BK. An example of an extension with a swivel is ME-007-X24S-BK. The ME line volt series can not be ordered with extensions.

6. Can an LP-808 fixture with an extension be mounted off a wall horizontally?

Units with extension rods are listed for ceiling mount applications only.

7. Can these fixtures be installed in a damp location?

Yes. They are suitable for damp locations (porch or bathroom), but not a wet location (directly over a shower or outdoors).

8. Can I use 75W MR16 lamps with any of the low voltage Surface Mount fixtures?

No. The maximum rating for any of these units is 50W.

9. Can I order a PAN fixture with an extension?

No. The PAN fixtures cannot be extended.

10. What type of dimmer is required for use with an ME or PAN fixture?

Line volt models use standard incandescent dimmers. Low volt fixtures use an electronic low voltage transformer. It is recommended that these transformers be dimmed with an electronic low voltage dimmer.

11. What colors are available for the Surface Mount fixtures?

Most are available in a black and white painted finish. Some are also available in a brushed nickel finish. Refer to the current second edition 2005 W.A.C. Lighting catalog or our website, www.waclighting.com, for current standard colors. You can also contact your local W.A.C. Lighting distributor or the factory for other options.

12. Can I order the low volt PAN fixture in any track head style?

No we don't offer customization of Pan fixtures, they are available in three standard styles – 802, 809, and 826.

DISPLAY LIGHTS – FREQUENTLY ASKED QUESTIONS

1. Are the display lights UL or ETL listed?

Some are ETL listed. ETL is a competitor of UL who focuses on the electrical industry as opposed to UL who handles a wider scope of products. Many other companies in the lighting industry carry the ETL safety label including Lithonia, Thomas Industries, Progress Lighting, and Tech Lighting. Visit their website at www.etlsemko.com. Fixtures not listed by ETL are UL listed.

2. Are your Display Lights low or line voltage? What type of lamps does each model use?

MODEL	LAMPS	MAX WATT	FINISH	VOLTAGE TYPE
DL-167	MR16G	50W	BK, WT, PT	Low voltage. Equipped with a 60W plug-in electronic transformer.
DL-168	JC-50 (included)	50W	BK, WT, PT	Low voltage. Equipped with a 60W plug-in electronic transformer.
DL-007	MR16	50W	BK, WT	Low voltage. Equipped with a 60W plug-in electronic transformer.
DL-214	MR11G, MR16G	50W	BK, WT	Low voltage. Equipped with a 60W plug-in electronic transformer.
DL-024	A, G, R, PAR	150W	BK, WT	Line voltage.
DL-150	T-150-S (included)	150W	BK, WT	Line voltage.
DL-188	A, G, R, PAR	150W	BK, WT	Line voltage.
DL-701	A, PAR20, R20	60W	BK, WT	Line voltage.

3. What are the major differences between each model?

The styles that are available cover a variety of lamp types. For example, the DL-007 uses an MR16 and can accommodate the 008FP framing projector. The DL-150 is supplied with a 150W halogen lamp which will cover a larger wall or display area. The DL-024 uses a medium base incandescent socket and can cover many general lighting applications. In addition, the DL-024 will take a barn door attachment when used with par lamps.

4. How far do they extend?

The rod models periscope from 22” to 32”.

5. What is the “standard clamp” that comes with the display lights?

The standard clamp works on flat surfaces ½” to 2½” wide.

6. What do I get when I order a W.A.C. Lighting display light?

Besides the standard clamp, the fixtures come with a 10’ cord and 3-prong (grounded) plug.

7. Can I get the display light with a 2-prong plug instead of a 3-prong plug?

No. They only come with a grounded (3-prong) plug.

8. Do you offer different clamps, other than the clamp supplied with the fixtures?

All display lights come with the standard clamp, you may purchase two optional clamps separately. The DLC-4 clamp is adjustable to accommodate flat surfaces from 2” to 4” wide, and the DLC-P pipe clamp works on pipes up to 2½” in diameter.

9. Where would you use such a display light?

They are ideal for use in lighting temporary exhibit booths, kiosk, craft displays, cubicle task lights and other applications where a portable and adjustable low profile source would be well suited.

ELECTRONIC TRANSFORMERS – FREQUENTLY ASKED QUESTIONS
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1. Please describe the features of your transformers.

FEATURE	ELECTRONIC EN-R Series	ELECTRONIC SST Series	ELECTRONIC EN-R2 Series
Input Voltage	120V	120V	120V
Output Voltage	12V	12V	12V
Wattage Available	20W-150W	60W, 150W	20W-60W
Dimmer Type	Electronic Low Voltage	Electronic Low Voltage	Electronic Low Voltage
Reset Circuit Breakers	No	No	No
Secondary Protection	Auto-reset	Auto-reset	Auto-reset
Thermal Protection	Yes	Yes	Yes
UL Class II Listed	No	No	Yes
Cycle	50-60Hz	50-60Hz	50-60Hz

2. What is the warranty of the transformers?

Our transformer warranty is 3 years.

3. Are WAC transformers UL listed?

There are two types of UL listings: Component listed and UL listed. Components are identified by the backwards “UR” symbol. That means the transformer is part of a factory-installed fixture. We offer these as replacement units. Remote transformers require the “UL” listing (such as a transformer supplying several recessed fixtures).

Our enclosed (boxed) electronic transformers carry the UL listing. Transformers not supplied in enclosures are component listed.

4. What is a Class II transformer?

A Class II transformer is limited to not more than 60 watts. It is a low energy device and is considered “inherently limited and intrinsically safe” an integral fuse isolates primary and secondary circuits. Secondary wiring from a Class II transformer does not require conduit and clamp wiring techniques in accordance with Section 3 of the NEC. The HR-88 button lights and miniature recessed cabinet lights require this transformer.

5. 60 watts is not a lot of capacity, what if you need more?

Just use multiple transformers; there is not much cost differential between these and one larger unit. Multiple transformers can be wired to the same switch and will operate together (see diagram at the end of the section).

6. How long is the cord and plug that comes with the EN-1260-P-AR plug-in transformer? Can it be detached?

6 feet. Yes the cord can be detached to so the wire can negotiate smaller openings. The transformer has a built in on/off rocker switch.

7. What colors do the transformers come in?

The EN-1260-P-AR plug-in unit as well as the surface mount SST series are available in black and white.

8. Please provide specifications for the electronic transformers.

MODEL	INPUT VOLTS	MAX LOAD	MIN LOAD	INPUT CURRENT	OUTPUT VOLTAGE	CASE TEMP	AMBIENT TEMP
EN-1260-RB-AR EN-1260-R-AR	120V	60W	20W	0.5A	11.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-1275-RB-AR EN-1275-R-AR	120V	75W	20W	0.6A	11.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-1260-RB2 EN-1260-R2	120V	60W	20W	0.5A	11.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-12100-RB-AR EN-12100-R-AR	120V	100W	60W	0.8A	11.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-12150-RB-AR EN-12150-R-AR	120V	150W	60W	1.3A	11.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-24150-RB-AR EN-24150-R-AR	120V	150W	60W	1.3A	23.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-B12PY-AR	120V	250W	100W	2.A	11.5V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-B24PZ-AR	120V	300W	100W	2.5A	23.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
EN-1260-P-AR	120V	60W	20W	0.5A	11.6V	75°C 167°F OR	-20°C TO +50°C OR -4°F TO 122°F
SST-60E	120V	60W	20W	0.5A	11.6V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F
SST-150E	120V	150W	60W	1.25A	12V	90°C 194°F OR	-20°C TO +50°C OR -4°F TO 122°F

9. The chart above refers to minimum load. What does that mean?

The electronic transformers require a minimum load to operate. You need to stay within the specified minimum and maximum range for the transformer to operate properly.

10. How do I check the output voltage of your electronic transformers?

As our transformers operate at high frequency, the voltage cannot be read with most meters. A true RMS meter with 20KHZ capability is needed.

11. What percentage load can the transformers take?

You may load the transformer to its maximum capacity. For example, the EN-1260-RB-AR unit is rated for 60W you may utilize it to its maximum capacity of 60W. The same applies to all the other units.

12. In the model numbers of your EN series transformers, what does the “AR” signify?

The “AR” means auto reset. There are three main features:

- a. Short Circuit Protection: In the event of an electrical short, the transformer will stop functioning. After the shorted condition is removed and power is re-applied, the transformer will continue normal operation with no adverse effect to its life span.
- b. Thermal Overload Protection: The transformer will cease functioning in the event of a circuit overload condition. It will re-set once the condition is corrected.
- c. Soft start: Turning on a light switch applies a sudden surge of voltage to bulbs and transformers, shortening the life of both. The “soft start” feature applies the voltage gradually. You’ll notice a brief delay on a cold start and virtually no delay on a warm start.

13. I am concerned with a voltage drop in my application. Do you have any guidelines on the subject?

To minimize a voltage drop and lessened light output, the transformer should be located as close to the fixture as possible. A drop of 5% or less is generally acceptable. The chart below is a guideline to keep the drop below 5%.

MAXIMUM LENGTH / VOLTAGE DROP GUIDELINE					
WIRE SIZE	LOAD				
	35 W	50 W	60 W	100 W	150 W
18 GAUGE	8 FT	8 FT	6 FT	NA	NA
16 GAUGE	12 FT	12 FT	10 FT	NA	NA
14 GAUGE	21 FT	19 FT	17 FT	15	14
12 GAUGE	28 FT	25 FT	22 FT	20	18

14. Why do my fixtures flicker?

Check the distance of the last fixture from the transformer. Refer to the chart above for guidelines. The further the distance between the fixture and the transformer, the greater the voltage drop. This is one potential cause. Another possibility is that you are using a transformer that is too large and not meeting the minimum load requirement. Finally a loose connection may also cause flickering.

15. Why does a transformer/dimmer hum?

All dimmers create noise from the lamp, transformer or the dimmer itself. A loud buzz is a signal that the dimmer and transformer are not compatible. A mild low volume hum is normal. Whether the noise is objectionable depends on what you are dimming, how quiet the room is, how much sound the furniture and surfaces absorb, and how sensitive the customer is.

16. In a low voltage situation (12V) like a motor home or a boat, would I require a transformer for my fixtures?

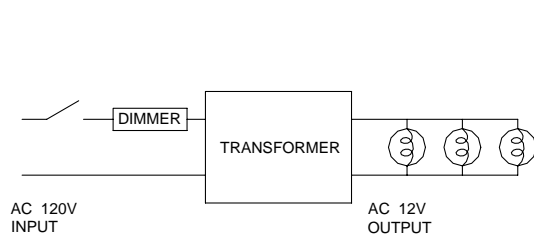
Most RV's and boats operate under 12V. Transformers are not necessary.

17. What does a multi terminal block (MTB-01) do?

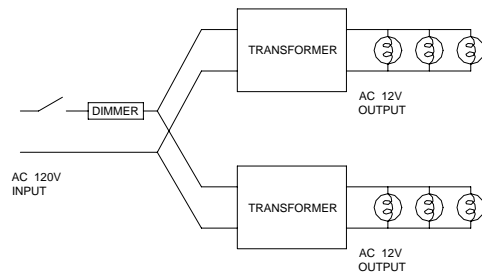
It simplifies the wiring of multiple low voltage fixtures to a transformer. Instead of having a blob of wires to a wire-nut, it can be made much neater and allows better connections with an MTB-01. The MTB-01 can accommodate up to 6 fixtures only. The output (12V) wires connect to the input terminal of the MTB-01, marked "A". Meanwhile, the wires from the 6 fixtures connect to the 6 output terminals of the MTB-01, marked "B" through "G". Refer to installation instructions for wiring details.

18. Transformer Wiring Diagram

Single Transformer



Multiple Transformers



1. Are your W.A.C./Q-Tran Remote Magnetic Transformers UL listed?

Yes, they are UL and CUL listed. You can find listed products at www.ul.com.

2. Why do you brand this transformer as a W.A.C./Q-Tran?

Q-Tran has a well deserved reputation as a manufacturer of high quality transformers. We are proud to be partners with Q-Tran.

3. Why would I want to use a Remote Magnetic Transformer?

Magnetic transformers have a proven core & coil design. They are the most durable and reliable low voltage lighting transformers.

4. What is the difference between an electronic and magnetic transformer?

Magnetic transformers are larger and have greater capacities. Electronic transformers provide value in a smaller package.

5. Why does this transformer look different than the SRT-300M-12V/24V I purchased a while back?

You have received our next generation remote magnetic transformer.

6. Can I order an old style SRT-600M-12V/24V to match my existing transformers?

No. The current W.A.C./Q-Tran transformer is the only one we will be offering.

7. Do I need a de-buzzing coil for these transformers?

No. They are already supplied with a built-in de-buzzing coil. In especially sensitive applications you can order an additional de-buzzing coil, however in most cases you will find it to be unnecessary.

8. What kind of dimmer can I use with the Q-Tran Magnetic Transformers?

A magnetic low voltage dimmer.

9. Where is the best place to mount a Remote Magnetic Transformer?

In a cool dry place where you can gain service access. The design of these transformers allows you to mount these in between your 2x6 wall joists where the transformer could then be accessed by a wall panel.

10. What kind of warranty is available with these transformers?

These transformers carry a 3 year product replacement warranty.

11. What percentage of the rated load can these transformers really take?

100%. No de-rating is required, but be sure secondary wires are rated for the amperage: For example a 300W 12 Volt transformer is 25 AMPS and requires 10 gauge secondary wires.

12. I am concerned with a voltage drop in my application. Do you have any guidelines on the subject?

The amount of voltage drop you will experience with your transformer is a combination of both the wire gauge and total load on the system (wattage). Increasing the wire gauge will allow you to increase the overall system distance. See the Q-Tran Interactive Voltage Drop chart, <http://www.q-tran.com/voltdrop/interactive/interactive.swf> for a complete 12V and 24V charts.

