

**Corona Lighting Inc.** is the designer and manufacturer of low voltage landscape lighting products. Our mission is to provide innovative designs, best quality products with most competitive prices, and more importantly, unparalleled service for our valued customers. Service is not just a slogan at Corona Lighting, but a strong belief we adhere to each and every day. Our commitment to this philosophy is the cornerstone of our company.

We are pleased and honored to introduce our new comprehensive Volume 2 catalog. You will see many new and unique products in the pages to come. While we offer numerous models in different finishes and many accessories, our delivery services are unsurpassed in the industry.

We would like to thank both our new and old valued customers for their support in last few years. Our dependable staff is always available to cater to your needs.

For additional information or to locate the professional lighting representative of Corona Lighting in your area, visit us at *www.coronalighting.com* 

Corona Lighting Inc.

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**PRODUCT INDEX** 

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CORONA Lighting Inc.

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# **PRODUCT SELECTION**

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# **PRODUCT SELECTION**

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# **PRODUCT SELECTION**

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## **PRODUCT SELECTION**



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Be sure to look for the **LED AVAILABLE** logo, now featured throughout this catalog. This logo signifies products that can be ordered with Corona LED lamps.

Corona *LED* lamps are durable, shock and vibration resistant, compact enough to fit most Corona luminaires.

Moreover, Corona *LED* fixtures can easily be combined with existing lighting systems.



## **Corona Lighting LED lamps**

As the designer and manufacturer of landscape lighting products, Corona Lighting dutifully provides you with the newest designs in landscape lighting systems.

Corona Lighting is proud to offer *LED* luminaires, providing un-paralleled resilience, efficiency and power to meet your landscape lighting needs.

Corona Lighting *LED* products provide the consumer with a no hassle solution to creating lighting in locations that are hard to re-lamp. No lamp access is necessary. No lamp service is required.

## ADVANTAGES OF USING LED LAMPS:

- High efficiency and long life span
- No damage to lamp sockets due to heat release
- Maintenance and service free
- No effect of humidity on lamp socket
- Low cost of electric consumption
- Truly environmentally friendly
- No voltage drop problems
- · Lead and mercury free

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CL-5258-4R



## SPECIFICATIONS

**HOUSING:** Die-cast solid brass. Easy turn & lock shrouds with silicone "O" ring gaskets. **FINISH:** Natural toning process, available in **AB**-Antique Bronze, **BR**-Natural Brass and **SI**-Silver Plated. Antique Bronze finish will vary due to artistic natural process.

**LENS:** Clear and heat resistant convex shape glass.

See page 86 for special effect lenses and honeycomb louver.

LAMP TYPE: 12V, MR-16 halogen, 50W max.

See page 88 for LED and color MR-16 lamps.

**MOUNTING:** Adjustable cast brass knuckle with 1/2" NPT, including ABS ground spike.

See page 85 for optional mounting hardware.

WIRING: Fixtures are prewired with a 3-foot pigtail of burial cable.

Fixtures are supplied with 20W MR-16 lamp.
Remote 12 Volt transformer is required.
See page 79 to 87 for transformers and accessories.

Lighting Inc.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

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**HOUSING:** Die-cast solid brass. Easy turn & lock shrouds with silicone "O" ring gaskets. **FINISH:** Natural toning process, available in **AB**-Antique Bronze and **BR**-Natural Brass. Antique Bronze finish will vary due to artistic natural process.

**LENS:** Clear and heat resistant convex shape glass.

See page 86 for special effect lenses and honeycomb louver.

- LAMP TYPE: 12V, MR-16 halogen, 50W max.
- See page 88 for LED and color MR-16 lamps.

**MOUNTING:** Adjustable cast brass knuckle with 1/2" NPT, including ABS ground spike.

See page 85 for optional mounting hardware.

WIRING: Fixtures are prewired with a 3-foot pigtail of burial cable.

• Fixtures are supplied with 20W MR-16 lamp. • Remote 12 Volt transformer is required.

CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

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See page 79 to 87 for transformers and accessories.

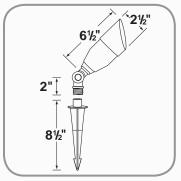
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**CL-522C-RC** 



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12V MR-16 35W Max.



CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

### **SPECIFICATIONS**

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HOUSING: Die-cast solid copper. Easy turn & lock shroud with Silicone gasket.
FINISH: Available in RC-Raw Copper.
LENS: Clear, tempered, and heat resistant glass (convex shape lens).
See page 86 for special effect lenses and honeycomb louver.
LAMP TYPE: 12V, MR-16 halogen, 35W max.
See page 88 for LED and color MR-16 lamps.
MOUNTING: Adjustable cast brass knuckle with 1/2" NPT, including ABS ground spike.
See page 85 for optional mounting hardware.
WIRING: Fixture is prewired with a 3-foot pigtail of direct burial cable.

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CL-522C-RC

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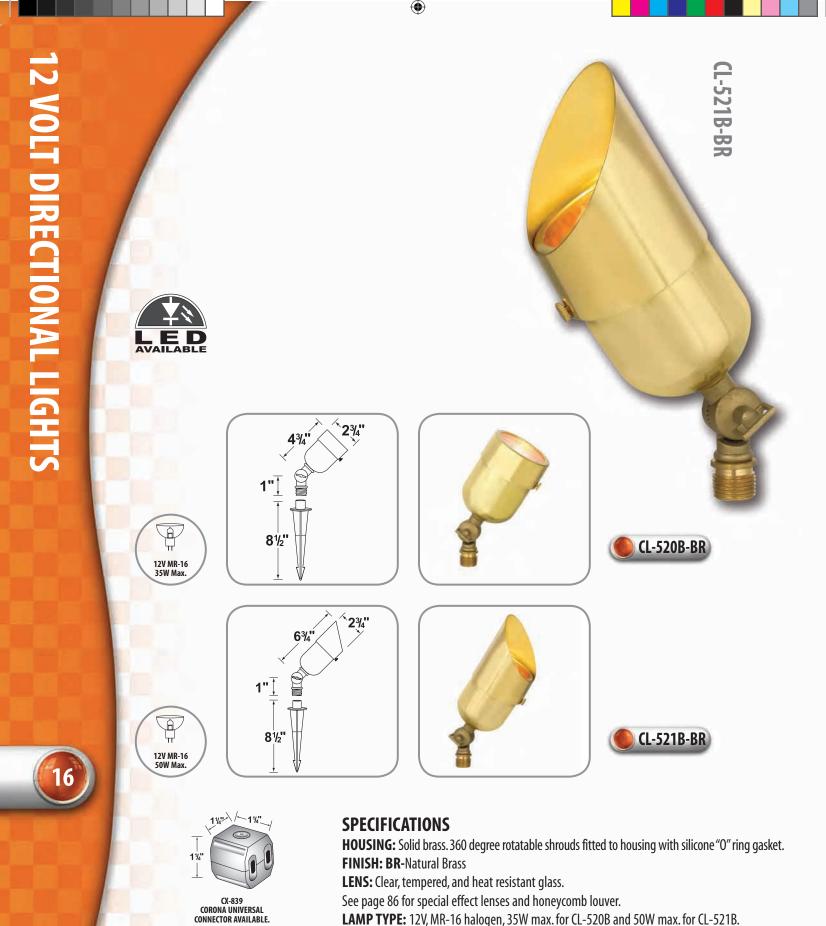
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**LAMP TYPE:** 12V, MR-16 halogen, 35W max. for CL-520B and 50W max. for CL-521B. See page 88 for LED and color MR-16 lamps.

**MOUNTING:** Adjustable brass knuckle with 1/2" NPT, including ABS ground spike.

See page 85 for optional mounting hardware.

• See page 79 to 87 for transformers and accessories. WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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Remote 12 Volt transformer is required.

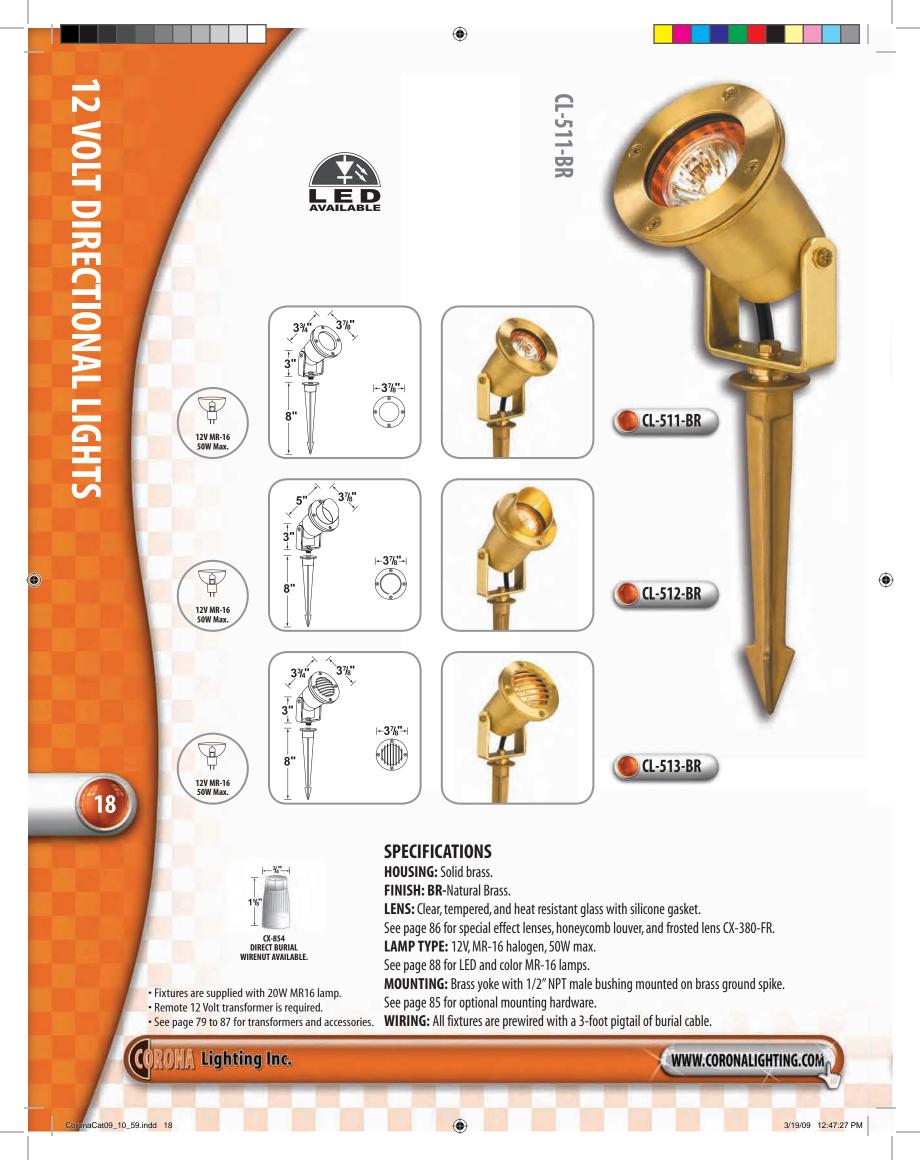
• Fixtures are supplied with 20W MR-16 lamp.

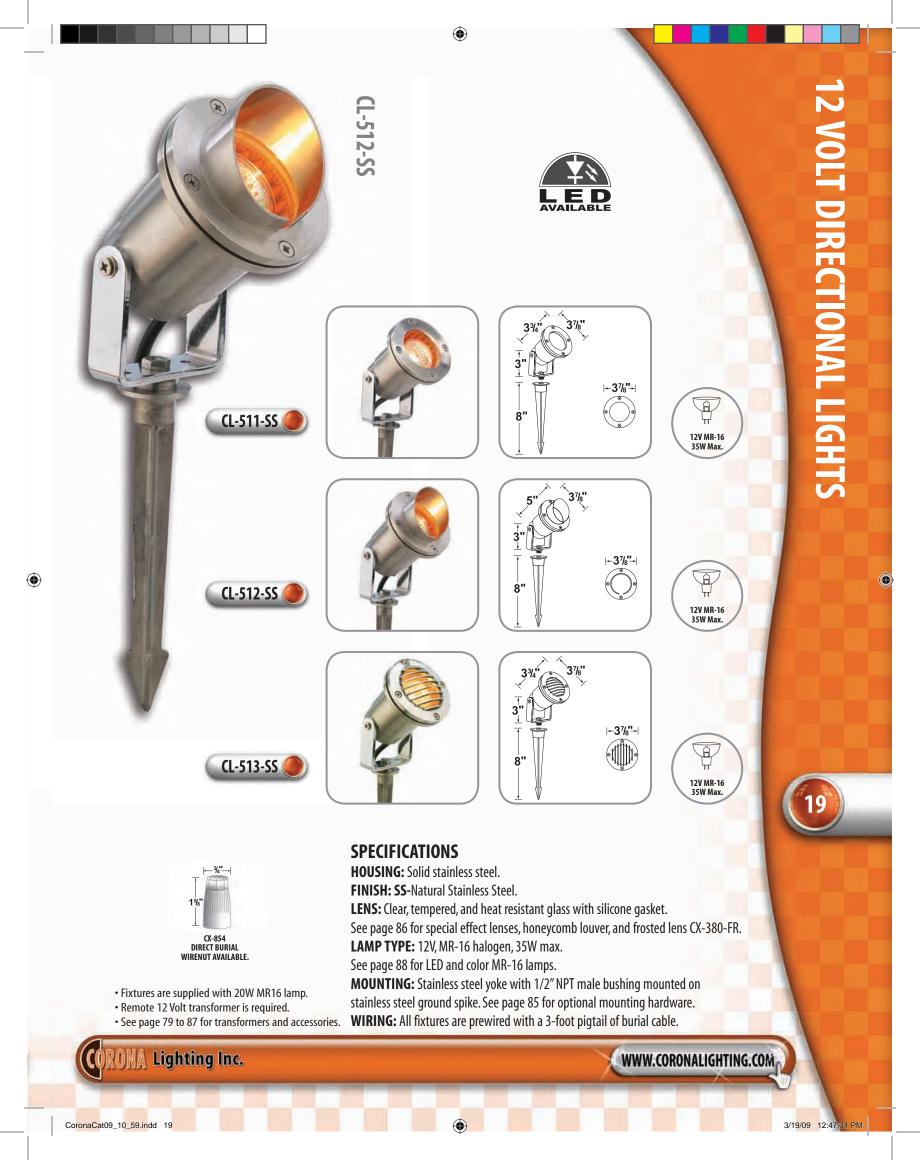
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Remote 12 Volt transformer is required.

Lighting Inc.

- See page 79 to 87 for transformers and accessories. • When ordering, add the 2 letter color code to the
- end of the product number.
- LAMP TYPE: 12V, MR-16 halogen, 50W max
- See page 88 for LED and color MR-16 lamps.
- **MOUNTING:** Yoke mounted on ground spike.
- WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.
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## SPECIFICATIONS

**HOUSING:** Die-cast aluminum.

**FINISH:** Polyester UV powder coated, available in **BK**-Black, **VG**-Verde Green. **LENS:** Clear, tempered, and heat resistant glass with silicone gasket.

See page 86 for special effect lenses and honeycomb louver.

**LAMP TYPE:** 12V, MR-16 halogen, 35W max. for CL-506, 50W max. for CL-507 and MR-11 halogen, 35W max. for CL-510. See page 88 for LED and color MR-16 lamps. **MOUNTING:** Adjustable cast aluminum knuckle with 1/2" NPT, including ground spike. See page 85 for optional mounting hardware.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.



CX-839 Corona Universal Connector Available.

- Fixtures are supplied with 20W lamps.
  Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.

Lighting Inc.

• When ordering, add the 2 letter color code to the end of the product number.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

• Fixtures are supplied with 20W T3 halogen lamp. Remote 12 Volt transformer is required.

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 See page 79 to 87 for transformers and accessories. • When ordering, add the 2 letter color code to the end of the product number.

HOUSING: Die-cast aluminum.

FINISH: Polyester UV powder coated, available in BK-Black, BZ-Bronze

- (VG-Verde Green available on CL-508, CL-509 and WH-White on CL-516).
- LENS: Clear, tempered, and heat resistant glass.
- LAMP TYPE: 12V, T3 halogen, 35W max. See page 88 for T3 xenon lamps.

**MOUNTING:** Adjustable cast aluminum knuckle with 1/2" NPT, including ground spike. See page 85 for optional mounting hardware.

**WIRING:** All fixtures are prewired with a 3-foot pigtail of burial cable.

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## **SPECIFICATIONS**

**HOUSING:** Solid brass fixtures, suspended inside a reversible flat or angled cut PVC sleeve, provides in-ground support. Fixtures are adjustable inside the PVC sleeve for light aiming. **FINISH: BR-**Natural Brass fixtures. PVC sleeve available in black only. **LENS:** Clear, tempered, and heat resistant glass with silicone gasket.

See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-380-FR. LAMP TYPE: 12V, MR-16 halogen, 50W max. See page 88 for LED and color MR-16 lamps. MOUNTING: In-ground direct burial or concrete encasement. Use gravel for proper drainage. Angle cut end required to be installed 3" above the ground. WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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• Fixtures are supplied with 20W MR-16 lamp.

CX-854 DIRECT BURIAL WIRENUT AVAILABLE.

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**HOUSING:** Aluminum and injection-molded fiberglass adjustable fixtures, suspended inside a reversible flat or angled cut PVC sleeve.

**FINISH:** Polyester UV powder coated fixtures and PVC sleeve available in black. When ordering in aluminum and fiberglass add "-**BK**" and "-**NM**" to end of product number respectively. **LENS:** Clear, tempered, and heat resistant glass with silicone gasket.

See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-380-FR. **LAMP TYPE:** 12V, MR-16 halogen, 50W max. for aluminum and 20W max. for fiberglass fixtures. See page 88 for LED and color MR-16 lamps.

**MOUNTING:** In-ground direct burial or concrete encasement. Use gravel for proper drainage. Angle cut end required to be installed 3" above the ground. **WIRING:** All fixtures are prewired with a 3-foot pigtail of burial cable.

CORONA Lighting Inc.

end of the product number.

CX-854 DIRECT BURIAL WIRENUT AVAILABLE.

• Fixtures are supplied with 20W MR-16 lamp.

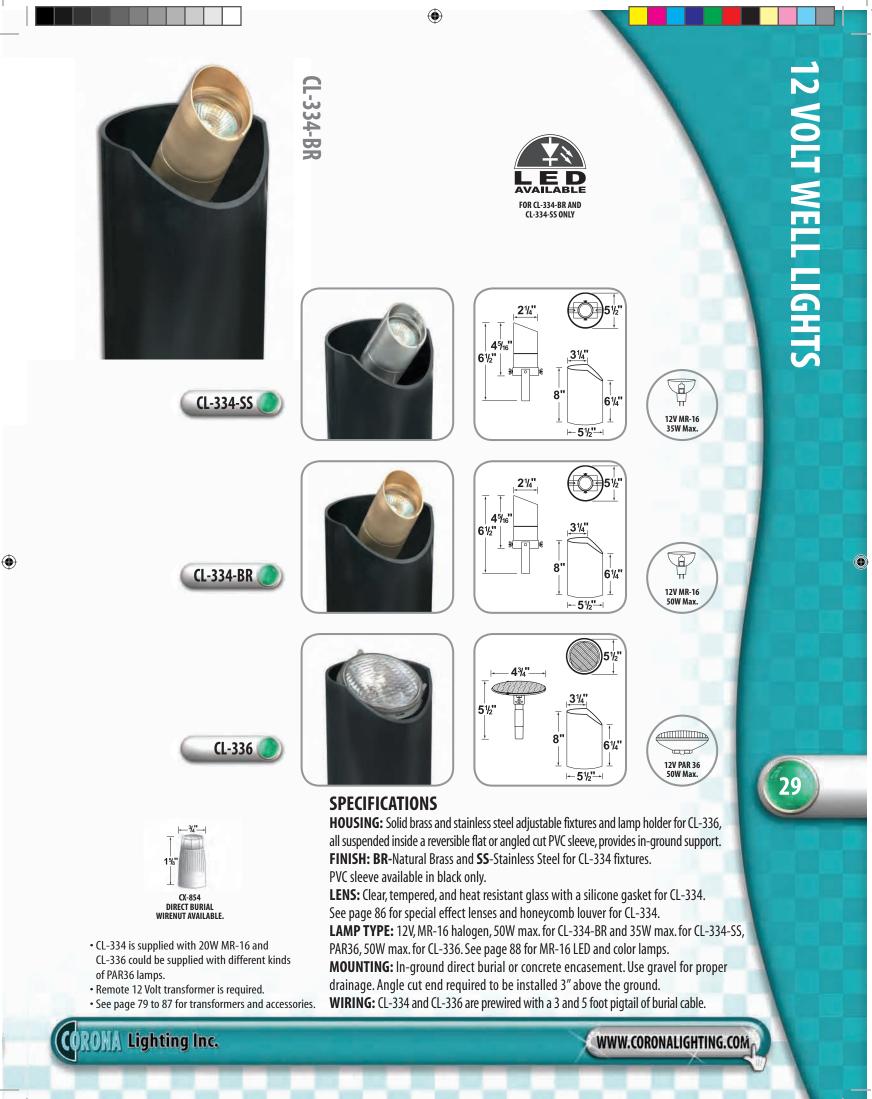
See page 79 to 87 for transformers and accessories.

When ordering, add the 2 letter color code to the

Remote 12 Volt transformer is required.

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## SPECIFICATIONS

**HOUSING:** Solid brass fixtures, mounted with tension clips inside a PVC sleeve, provides in-ground fixture support.

FINISH: BR-Natural Brass fixtures. PVC sleeve available in black only.

LENS: Clear, tempered, and heat resistant glass with silicone gasket.

See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-380-FR.

LAMP TYPE: 12V, MR-16 halogen, 50W max.

See page 88 for LED and color MR-16 lamps.

**MOUNTING:** In-ground direct burial or concrete encasement.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.



CX-854 DIRECT BURIAL WIRENUT AVAILABLE.

• Fixtures are supplied with 20W MR-16 lamp.

• See page 79 to 87 for transformers and accessories.

Remote 12 Volt transformer is required.

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### **SPECIFICATIONS**

HOUSING: Die-Cast aluminum fixtures, mounted with tension clips inside a PVC sleeve, provides in-ground fixture support.

FINISH: Polyester UV powder coated fixtures, available in **BK**-Black, **VG**-Verde Green. PVC sleeve available in black only.

LENS: Clear, tempered, and heat resistant glass with silicone gasket.

See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-380-FR. LAMP TYPE: 12V, MR-16 halogen, 50W max.

See page 88 for LED and color MR-16 lamps.

**MOUNTING:** In-ground direct burial or concrete encasement.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

## Lighting Inc.

end of the product number.

• Fixtures are supplied with 20W MR-16 lamp.

• See page 79 to 87 for transformers and accessories.

• When ordering, add the 2 letter color code to the

• Remote 12 Volt transformer is required.

CX-854 DIRECT BURIAL WIRENUT AVAILABLE.

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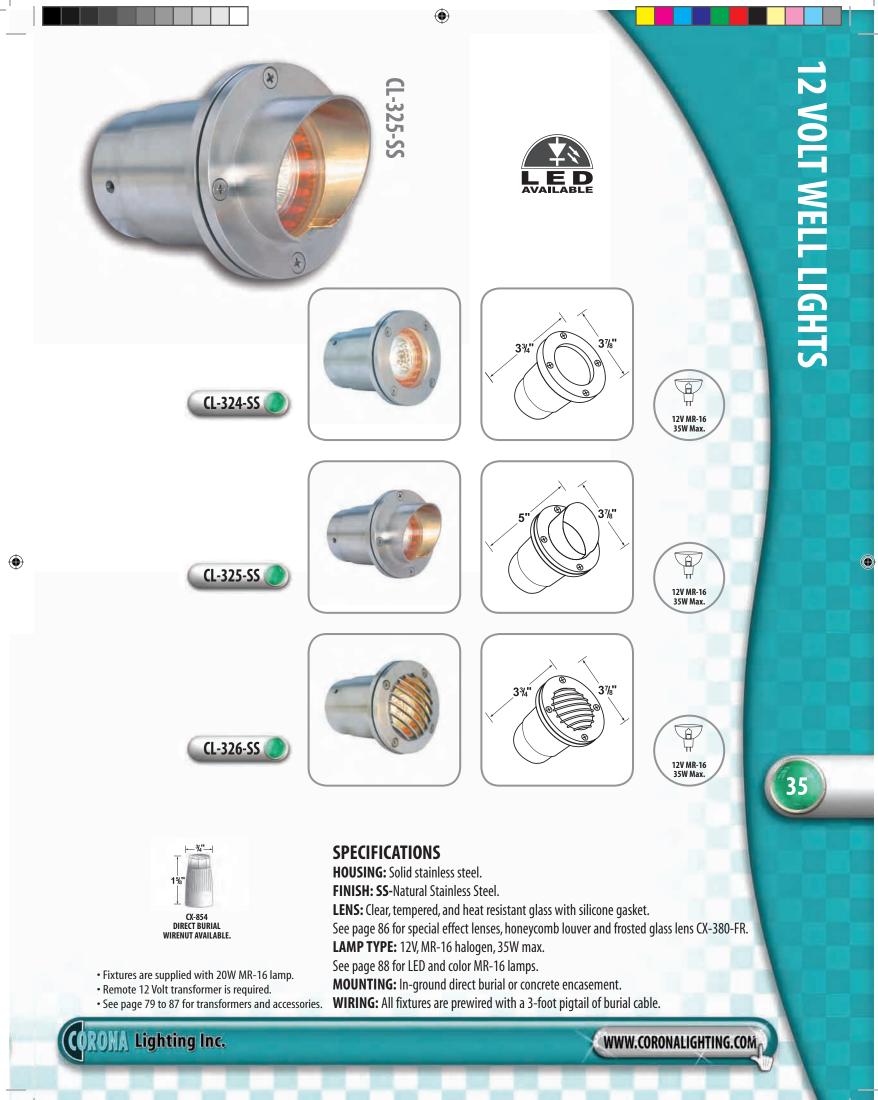


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# Fixtures are supplied with 20W MR-16 lamp. Remote 12 Volt transformer is required.

• See page 79 to 87 for transformers and accessories.

Lighting Inc.

### **SPECIFICATIONS**

HOUSING: Die cast aluminum and injection-molded fiberglass.
FINISH: Polyester UV powder coated available in black. When ordering in aluminum and fiberglass add "-BK" and "-NM" to end of product number respectively.
LENS: Clear, tempered, and heat resistant glass with silicone gasket.
See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-380-FR.
LAMP TYPE: 12V, MR-16 halogen, 50W max. for aluminum and 20W max. for fiberglass fixtures. See page 88 for LED and color MR-16 lamps.
MOUNTING: In-ground direct burial or concrete encasement.
WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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### CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

Fixtures are supplied with 18W S.C. bayonet lamp.
Remote 12 Volt transformer is required.

See page 79 to 87 for transformers and accessories.

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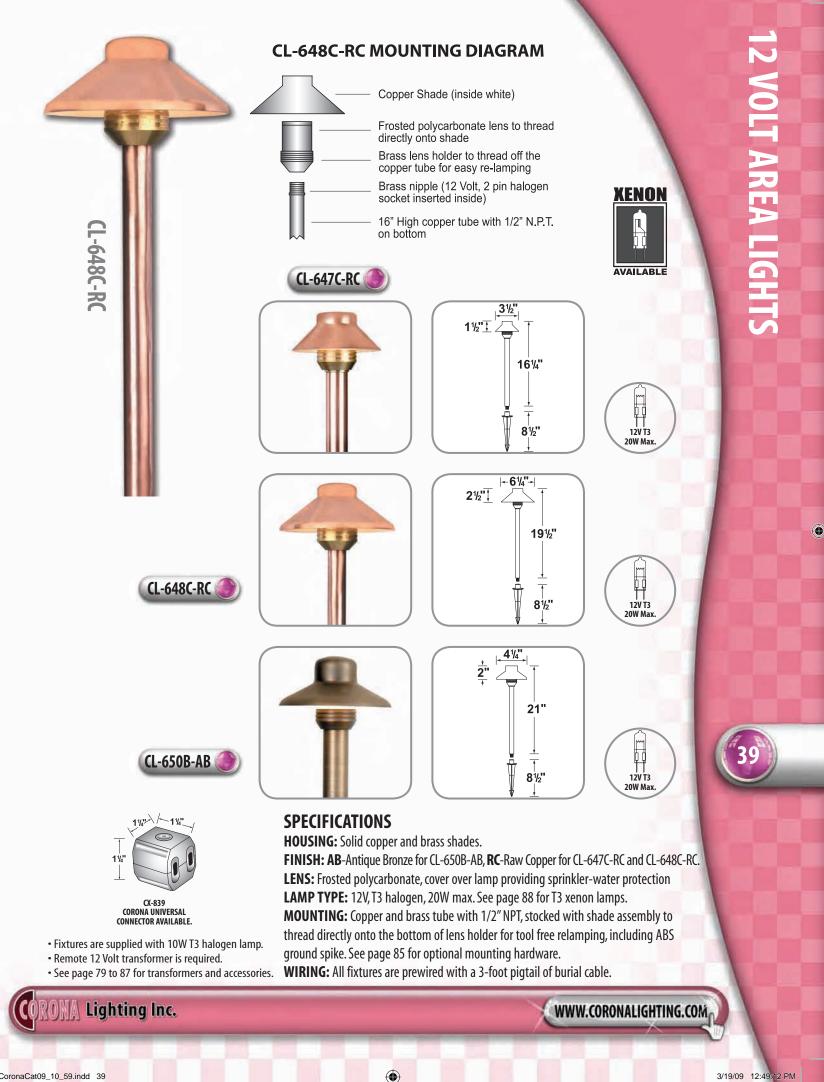
### SPECIFICATIONS

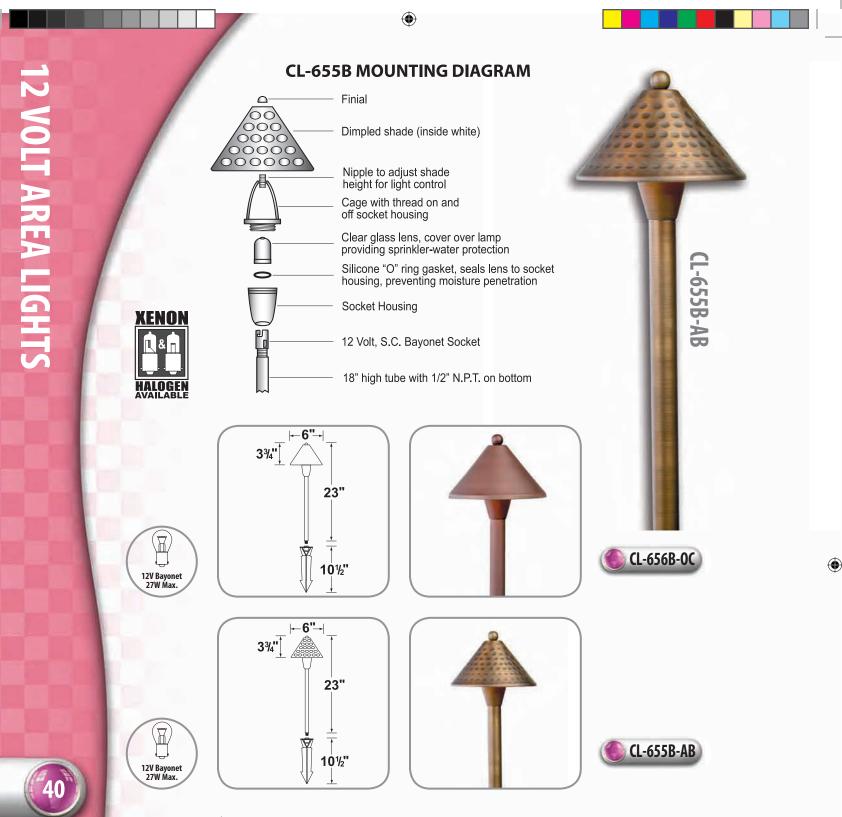
**HOUSING:** Cast brass shades, adjustable in height for light control (white inside). **FINISH:** Natural toning process, available in **AB**-Antique Bronze.

**LENS:** Clear glass, cover over lamp providing sprinkler-water protection, including silicone "0" ring gasket seals lens to socket housing to prevent moisture penetration. **LAMP TYPE:** 12V, S.C. bayonet, 27W max. Available with T5 wedge socket, 18W max. See page 88 for xenon and halogen lamps with S.C. bayonet base.

**MOUNTING:** Brass stem with 1/2" NPT, can be stocked with variety of shades, tool free relamping, including ABS ground spike. See page 85 for optional mounting hardware. **WIRING:** All fixtures are prewired with a 3-foot pigtail of burial cable.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

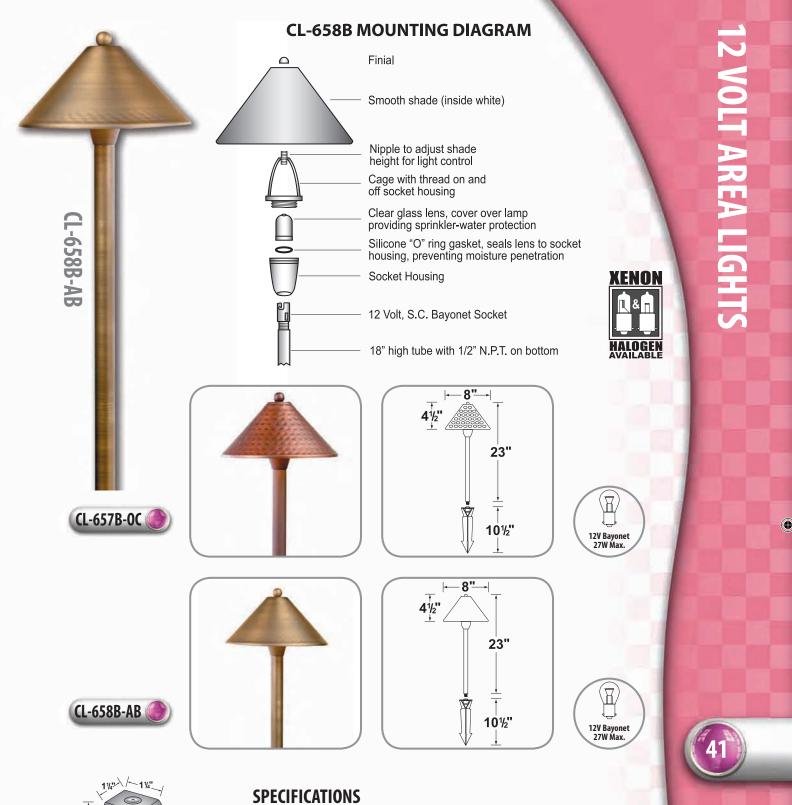
- Fixtures are supplied with 18W S.C. bayonet lamp.
   Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  When ordering, add the 2 letter color code to the end of the product number.

**Lighting Inc.** 

### SPECIFICATIONS

**HOUSING:** Solid brass shade, adjustable in height for light control (white inside). **FINISH:** Natural toning process, available in **AB**-Antique Bronze, **OC**-Old Copper. **LENS:** Clear glass, cover over lamp providing sprinkler-water protection, including silicone "0" ring gasket seals lens to socket housing to prevent moisture penetration. **LAMP TYPE:** 12V, S.C. bayonet, 27W max. Available with T5 wedge socket-18W max. See page 88 for xenon and halogen lamps with S.C. bayonet base.

**MOUNTING:** Brass stem with 1/2" NPT, can be stocked with variety of shades, tool free relamping, including ABS ground spike. See page 85 for optional mounting hardware. **WIRING:** All fixtures are prewired with a 3-foot pigtail of burial cable.



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**HOUSING:** Solid brass shade, adjustable in height for light control (white inside). FINISH: Natural toning process, available in AB-Antique Bronze, OC-Old Copper. **LENS:** Clear glass, cover over lamp providing sprinkler-water protection, including silicone "0" ring gasket seals lens to socket housing to prevent moisture penetration. LAMP TYPE: 12V, S.C. bayonet, 27W max. Available with T5 wedge socket-18W max. See page 88 for xenon and halogen lamps with S.C. bayonet base.

**MOUNTING:** Brass stem with 1/2" NPT, can be stocked with variety of shades, tool free relamping, including ABS ground spike. See page 85 for optional mounting hardware. WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.



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CX-839

CORONA UNIVERSAL CONNECTOR AVAILABLE.

• Fixtures are supplied with 18W S.C. bayonet lamp.

• See page 79 to 87 for transformers and accessories.

• When ordering, add the 2 letter color code to the

• Remote 12 Volt transformer is required.

end of the product number.



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12V Bayonet 27W Max.

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12V Bayonet 27W Max.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

- Fixtures are supplied with 18W S.C. bayonet lamp.
   Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  When ordering, add the 2 letter color code to the end of the product number

Lighting Inc.

### SPECIFICATIONS

**HOUSING:** Die-cast aluminum.

FINISH: Polyester UV powder coated, available in BK-Black, VG-Verde Green.

LENS: Clear, seeded glass (clear beveled glass for CL-632).

LAMP TYPE: 12V, S.C. bayonet, 27W max.

See page 88 for xenon and halogen lamps with S.C. bayonet base.

**MOUNTING:** Cast aluminum sectional stem with 1/2" NPT on bottom, including ground spike. See page 85 for optional mounting hardware.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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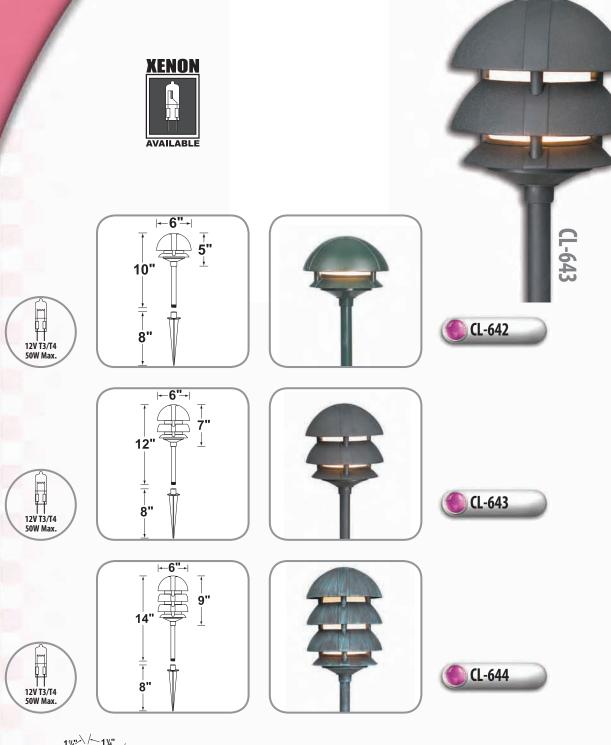
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**CL-632** 

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

Fixtures are supplied with 20W T3 halogen lamp.
 Remote 12 Volt transformer is required.

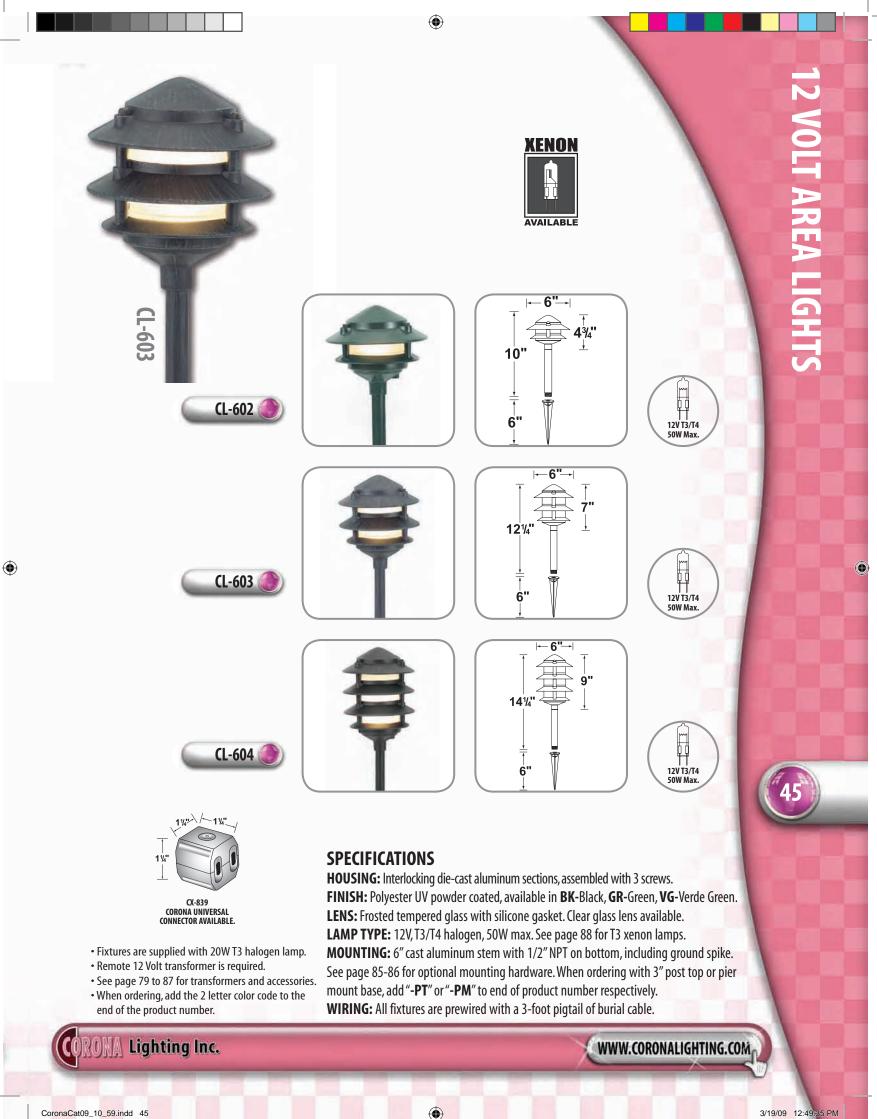
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See page 79 to 87 for transformers and accessories.
When ordering, add the 2 letter color code to the end of the product number

### SPECIFICATIONS

HOUSING: Interlocking die-cast aluminum sections, assembled with 3 screws.
FINISH: Polyester UV powder coated, available in BK-Black, GR-Green, VG-Verde Green.
LENS: Frosted tempered glass with silicone gasket. Clear glass lens available.
LAMP TYPE: 12V, T3/T4 halogen, 50W max. See page 88 for T3 xenon lamps.
MOUNTING: 6" cast aluminum stem with 1/2" NPT on bottom, including ground spike.
See page 85-86 for optional mounting hardware. When ordering with 3" post top or pier mount base, add "-PT" or "-PM" to end of product number respectively.
WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

Fixtures are supplied with 20W T3 halogen lamp.
 Remote 12 Volt transformer is required.

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See page 79 to 87 for transformers and accessories.
When ordering, add the 2 letter color code to the end of the product number.

### SPECIFICATIONS

**HOUSING:** Die-cast aluminum with decorative steel mesh.

FINISH: Polyester UV powder coated, available in BK-Black, GR-Green.

LENS: Frosted tempered glass with silicone gasket. Clear glass lens available.

LAMP TYPE: 12V, T3/T4 halogen, 50W max. See page 88 for T3 xenon lamps.

**MOUNTING:** 6" cast aluminum stem with 1/2" NPT on bottom, including ground spike. See page 85 for optional mounting hardware.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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**HOUSING:** Die-cast aluminum. Turn-to-lock mushroom head for CL-624 and CL-625. **FINISH:** Polyester UV powder coated, available in **BK**-Black, **VG**-Verde Green (**BZ**-Bronze available on CL-624, CL-625 and CL-626).

**LENS:** Clear, tempered, and heat resistant glass for CL-624 and CL-625. Clear ribbed high impact polycarbonate for CL-605, frosted polycarbonate for CL-626.

**LAMP TYPE:** 12V, T3 halogen, 35W max. for CL-624 and CL-625, S.C. bayonet, 27W max. for CL-605 and CL-626. See page 88 for T3 xenon, SC xenon and T3/SC halogen lamps. **MOUNTING:** Aluminum stem with 1/2" NPT on bottom, including ground spike.

See page 85 for optional mounting hardware.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.



CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

- CL-624, CL-625 are supplied with 20W T3 halogen and CL-605, CL-626 with 18W S.C. bayonet lamps
   Remote transformer is required.
- See page 79 to 87 for transformers and accessories. • When ordering, add the 2 letter color code to the

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end of the product number.

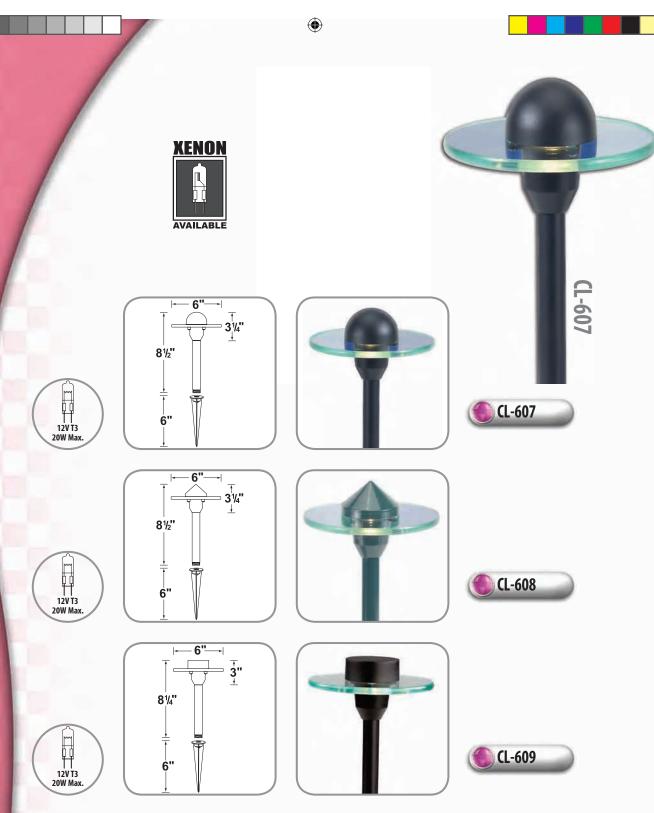
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**12 VOLT AREA LIGHTS** 





CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

Fixtures are supplied with 20W T3 halogen lamp.
 Remote 12 Volt transformer is required.

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See page 79 to 87 for transformers and accessories.
When ordering, add the 2 letter color code to the end of the product number

### SPECIFICATIONS

**HOUSING:** Die-cast aluminum. Easy lamp replacement.

FINISH: Polyester UV powder coated, available in BK-Black, GR-Green.

**LENS:** Clear tempered glass disc.

LAMP TYPE: 12V, T3 halogen, 20W max. See page 88 for T3 xenon lamps.

**MOUNTING:** Cast aluminum stem with 1/2" NPT on bottom, including ground spike. See page 85 for optional mounting hardware.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.

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### CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

- Fixtures are supplied with 18W S.C. bayonet lamp. • Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  When ordering, add the 2 letter color code to the end of the product number.

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### SPECIFICATIONS

**HOUSING:** Solid brass decorative lens holder and tubing stem.

FINISH: Natural toning process, available in AB-Antique Bronze, OC-Old Copper.

Finishes will vary due to artistic natural process.

LENS: Glass tulip, available in AG-Amber Green, WH-White.

When ordering, add the 2 letter color code of glass tulip to end of product number.

LAMP TYPE: 12V, S.C. bayonet, 27W max.

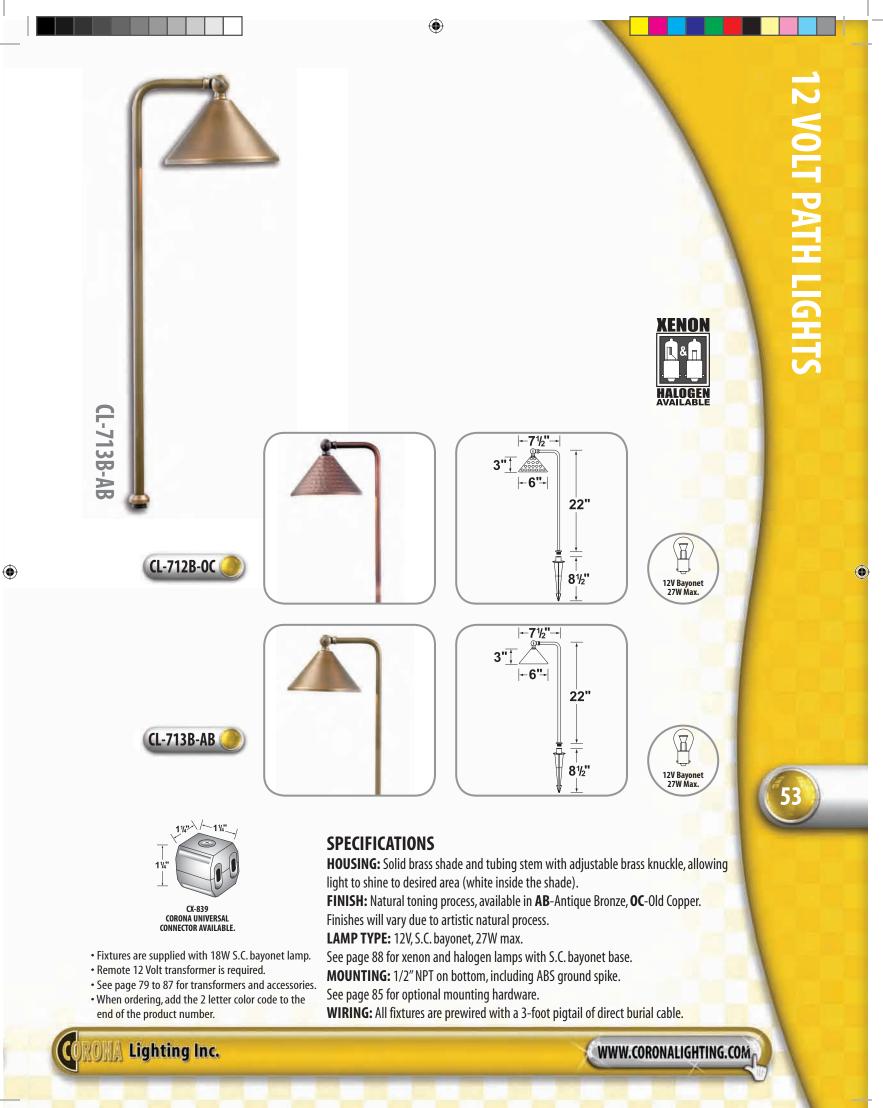
See page 88 for xenon and halogen lamps with S.C. bayonet base.

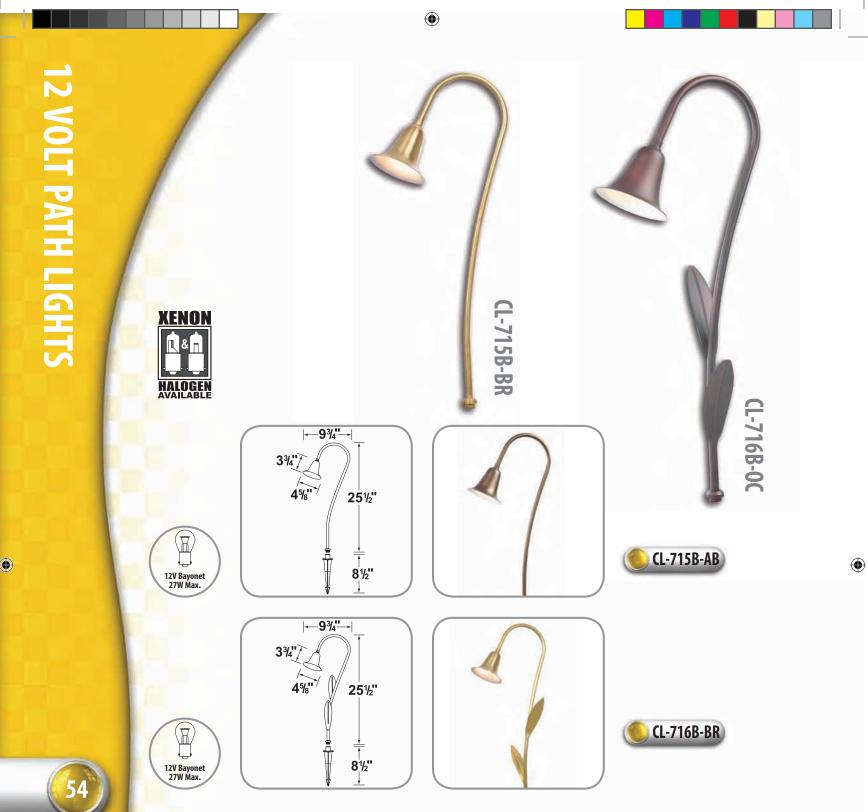
**MOUNTING:** 1/2" NPT on bottom, including ABS ground spike.

See page 85 for optional mounting hardware.

**WIRING:** All fixtures are prewired with a 3-foot pigtail of burial cable.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

- Fixtures are supplied with 18W S.C. bayonet lamp. • Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  When ordering, add the 2 letter color code to the end of the product number.

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### SPECIFICATIONS

**HOUSING:** Solid brass bell head and tubing stem (white inside the bell head). **FINISH:** Natural toning process, available in **AB**-Antique Bronze, **OC**-Old Copper and **BR**-Natural Brass.

Antique Bronze and Old Copper finishes will vary due to artistic natural process. **LAMP TYPE:** 12V, S.C. bayonet, 27W max.

See page 88 for xenon and halogen lamps with S.C. bayonet base.

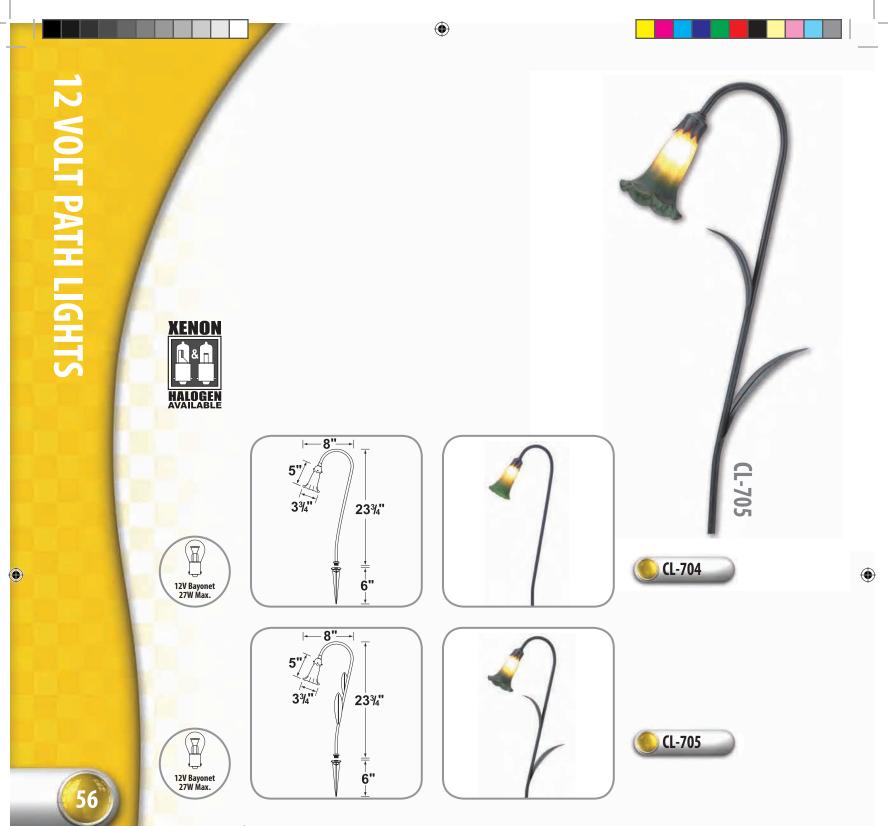
**MOUNTING:** 1/2" NPT on bottom, including ABS ground spike.

See page 85 for optional mounting hardware.

**WIRING:** All fixtures are prewired with a 3-foot pigtail of direct burial cable.

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### CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

- Fixtures are supplied with 18W S.C. bayonet lamp. • Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
   When ordering, add the 2 letter color code to the end of the product number.

Lighting Inc.

### SPECIFICATIONS

HOUSING: Brass lens holder, steel stem and decorative leaves for CL-705. FINISH: Polyester UV powder coated, available in **BK**-Black, **GR**-Green, **VG**-Verde Green. LENS: Glass tulip, available in **AG**-Amber Green, **WH**-White. When ordering, add the 2 letter color code of glass tulip to the end of the product number. LAMP TYPE: 12 Volt, single contact bayonet- 27W max. See page 88 for xenon and halogen lamps with S.C. bayonet base.

**MOUNTING:** 1/2" NPT on bottom, including ground spike.

See page 85 for optional mounting hardware.

WIRING: All fixtures are prewired with a 3-foot pigtail of burial cable.



# **12 VOLT PATH LIGHTS** XENON & HALOGEN |---7"----| Œ Δ CL-71 171/2" A CL-710 6" 1<mark>2V B</mark>ayonet 27W Max. **⊢8"→**| 223/4" **CL-711** E **6**" 12V Bayonet 27W Max.

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CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

- Fixtures are supplied with 18W S.C. bayonet lamp.
   Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  When ordering, add the 2 letter color code to the end of the product number.

📗 Lighting Inc.

### SPECIFICATIONS

HOUSING: Die-cast aluminum.

FINISH: Polyester UV powder coated, available in BK-Black, VG-Verde Green.

- **LAMP TYPE:** 12V, S.C. bayonet, 27W max.
- See page 88 for xenon and halogen lamps with S.C. bayonet base.

**MOUNTING:** 1/2" NPT on bottom, including ground spike.

See page 85 for optional mounting hardware.

**WIRING:** All fixtures are prewired with a 3-foot pigtail of burial cable.

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۲ **12 VOLT HANGING LIGHTS CL-391** 2<sup>\*</sup>/<sub>3</sub>/4" + 2<sup>\*</sup>/<sub>2</sub>" Û -**|21/4"**|-Π **CL-385** 12V MR-11 With Front Glass Cove 35W Max. -2<sup>3</sup>/₄" -1 5½" Û **CL-387** Π 12V MR-11 th Front Glass Co 35W Max. -|2¼"|-2<sup>\*</sup>/<sub>3/4</sub>" 81/2" Û . CL-389 12V MR-11 n th Front Glass Co 35W Max. - 21/4" -2<sup>3</sup>/<sub>4</sub>" 111/2" Ĥ CL-391 12V MR-11 +**2¼**''+ With Front Glass Cove 35W Max. 61 11/4">/-11/4"\_ 11/4" **SPECIFICATIONS** CX-839 CORONA UNIVERSAL CONNECTOR AVAILABLE. HOUSING: Die-cast aluminum.

CONNECTOR AVAILABLE.

- Fixtures are supplied with 20W MR-11 lamp.
- Remote 12 Volt transformer is required.
  See page 79 to 87 for transformers and accessories.

Lighting Inc.

When ordering, add the 2 letter color code to the end of the product number. **FINISH:** Polyester UV powder coated, available in **BK**-Black, (**GR**-Green available on CL-387). **LAMP TYPE:** 12V, MR-11 halogen with clear front glass lens, 35W max. **MOUNTING:** Cast aluminum loop with 5-foot stainless steel hanging cable. **WIRING:** All fixtures are prewired with a 5-foot pigtail of cable.

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**12 VOLT HANGING LIGHTS** 

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SPECIFICATIONS

**HOUSING:** Die-cast aluminum fixtures, solid brass glass tulip holder for CL-382. **FINISH:** Polyester UV powder coated, available in **BK**-Black,

 $({\bf GR}\mbox{-}{\rm Green}\ {\rm available}\ {\rm on}\ {\rm CL-380}, {\rm CL-381}, {\rm CL-382}\ ).$ 

**LENS:** Clear, tempered and heat resistant glass with silicone gasket for CL-379, CL-380. Glass tulip for CL-382, available in **AG**-Amber Green, **WH**-White (no lens for CL-381). **LAMP TYPE:** 12V, MR-16 halogen, 50W max. for CL-379, CL-380, CL-381 and S.C. bayonet 27W max. for CL-382. See page 88 for LED and color MR-16 lamps ( for CL-379 and

CL-380 ), xenon and halogen lamps ( for CL-382 ).

**MOUNTING:** Cast aluminum loop with 5-foot stainless steel hanging cable. **WIRING:** All fixtures are prewired with a 5-foot pigtail of cable.

CK-839 CORONA UNIVERSAL CONNECTOR AVAILABLE.

• CL-379, CL-380, CL-381 are supplied with 20W MR-16, and CL-382 with 18W S.C. bayonet lamps.

- Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  When ordering, add the 2 letter color code to the end of the product number.
- When ordering, add the 2 letter color code of glass tulip to the end of the product number.

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# **12 VOLT STEP LIGHTS**



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### **SPECIFICATIONS**

HOUSING: White powder coated steel mount box with T5 wedge socket.

**FACE PLATE:** Stamped steel available in **CU**-Copper Plated, **PB**-Polish Brass Plated, **SI**-Silver Plated, polyester UV powder coated in **BK**-Black, **BZ**-Bronze, **WH**-White, all with silicone gasket.

**LENS:** Clear polycarbonate for CL-350, tempered and heat resistant glass for CL-351 and CL-356. Lenses are sealed and secured to face plates.

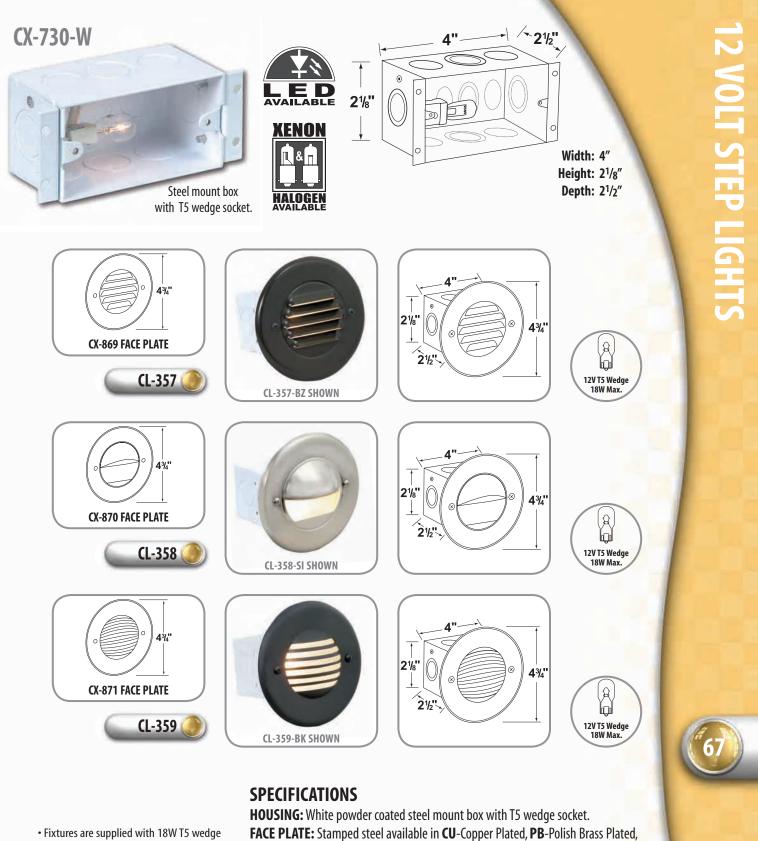
**LAMP TYPE:** 12V, T5 wedge, 18W max. Available with S.C. bayonet lamp, 27W max. See page 88 for T5 wedge base LED, xenon and halogen lamps.

**MOUNTING:** Recessed box to mount into concrete, brick, and masonary. For outdoor use only. **WIRING:** All fixtures are prewired with a 12-inch pigtail wire.

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  - Fixtures are supplied with 18W T5 wedge lamp.
  - Remote 12 Volt transformer is required.
     See page 79 to 87 for transformers and accessories.
  - 30-foot #18-2 direct burial fixture pigtail wire available. When ordering, add -30 to the end of the product number.
  - When ordering, add the 2 letter color code to the end of the product number

OMA Lighting Inc.



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- Fixtures are supplied with 18W T5 wedge lamp.
- Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
- 30-foot #18-2 direct burial fixture pigtail wire available. When ordering, add -30 to the end of the product number.
- When ordering, add the 2 letter color code to the end of the product number

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SI-Silver Plated, polyester UV powder coated in BK-Black, BZ-Bronze, WH-White, all with silicone gasket. LENS: Frosted, tempered, and heat resistant glass, sealed and secured to face plates.

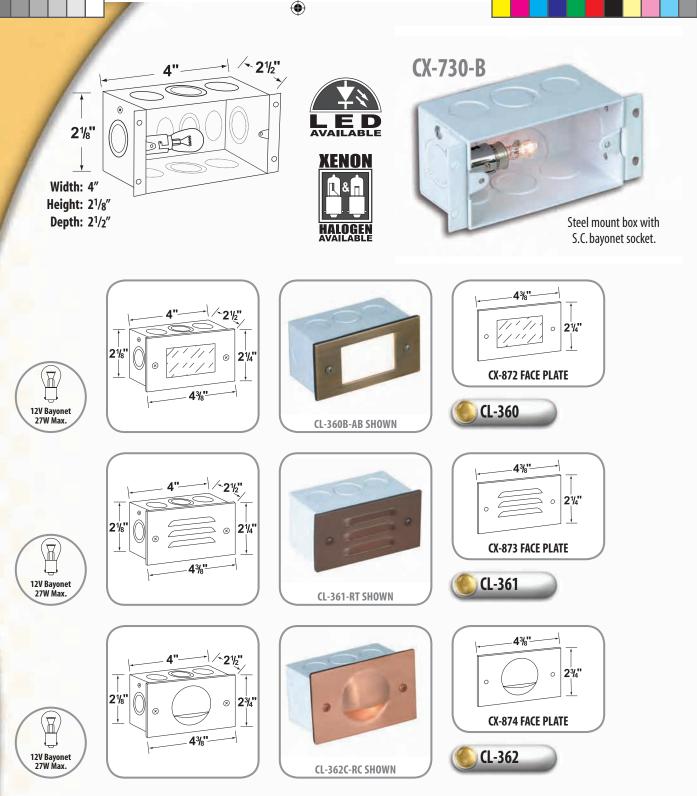
LAMP TYPE: 12V, T5 wedge, 18W max. Available with S.C. bayonet lamp, 27W max. See page 88 for T5 wedge base LED, xenon and halogen lamps.

**MOUNTING:** Recessed box to mount into concrete, brick, and masonary. For outdoor use only. **WIRING:** All fixtures are prewired with a 12-inch pigtail wire.

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# **12 VOLT SLIM STEP LIGHTS**



### **SPECIFICATIONS**

**HOUSING:** White powder coated steel mount box with S.C. bayonet socket. **FACE PLATE:** Stamped copper available in **RC**- Raw Copper, stamped brass available in **AB**-Antique Bronze, **OC**-Old Copper, **SI**-Silver Plated, stamped aluminum UV powder coated available in **BK**-Black, **BZ**-Bronze, **RT**-Rust, **WH**-White, all with silicone gasket. **LENS:** High impact white polycarbonate sealed and secured to face plates

**LENS:** High impact white polycarbonate sealed and secured to face plates. CL-362 is lens-less.

**LAMP TYPE:** 12V, S.C. bayonet, 27W max. Available with T5 wedge lamp, 18W max. See page 88 for xenon, halogen and T5 wedge base LED lamps.

**MOUNTING:** Recessed box to mount into concrete, brick, and masonary. For outdoor use only. **WIRING:** All fixtures are prewired with a 12-inch pigtail wire.

- Fixtures are supplied with 18W S.C. bayonet lamp.
- Remote 12 Volt transformer is required.
  See page 79 to 87 for transformers and accessories.
- 30-foot #18-2 direct burial fixture pigtail wire available. When ordering, add -30 to the end of the product number.
- When ordering, add the 2 letter color code to the end of the product number

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### SPECIFICATIONS

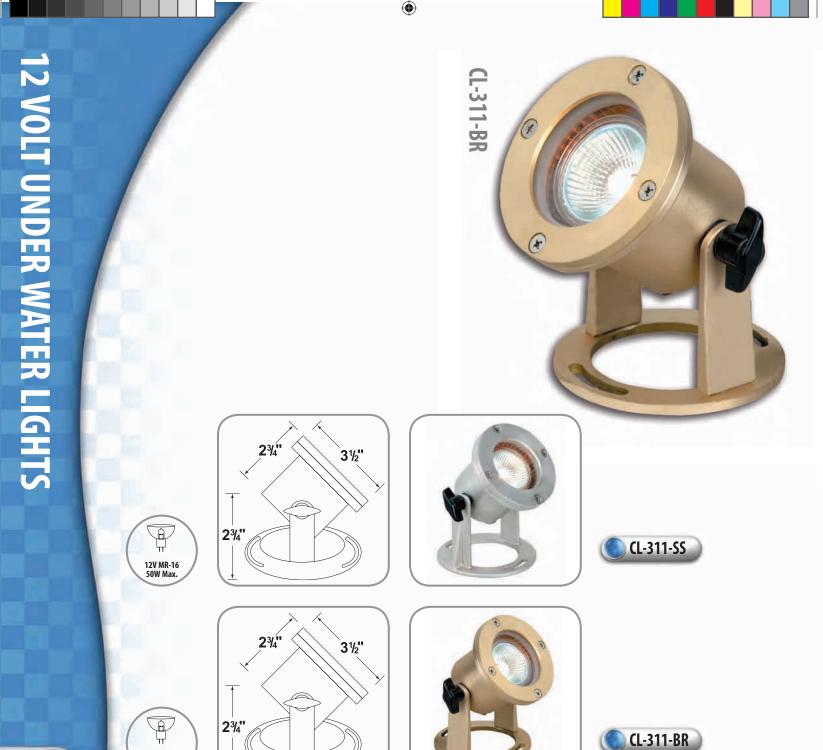
- Fixtures are supplied with 2 x 18W S.C. bayonet lamps.
- Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
- 30-foot #18-2 direct burial fixture pigtail wire available. When ordering, add -30 to the end of the product number.
- When ordering, add the 2 letter color code to the end of the product number

HOUSING: White powder coated steel mount box with two S.C. bayonet sockets. FACE PLATE: Stamped copper available in RC-Raw Copper, stamped brass available in AB-Antique Bronze, OC-Old Copper, SI-Silver Plated, stamped aluminum UV powder coated available in BK-Black, BZ-Bronze, RT-Rust, WH-White, all with silicone gasket. LENS: High impact white polycarbonate sealed and secured to face plates.

**LAMP TYPE:** 12V, S.C. bayonet, 2 x 27W max. Available with T5 wedge lamp, 2 x 18W max. See page 88 for xenon, halogen and T5 wedge base LED lamps.

**MOUNTING:** Recessed box to mount into concrete, brick, and masonary. For outdoor use only. **WIRING:** All fixtures are prewired with a 12-inch pigtail wire.





### **SPECIFICATIONS**

**HOUSING:** Solid brass and stainless steel.

FINISH: BR-Natural Brass and SS-Natural Stainless Steel.

**LENS:** Clear, tempered, and heat resistant glass with silicone gasket, fully sealed for underwater usage.

See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-251-FR LAMP TYPE: 12V, MR-16 halogen, 50W max. See page 88 for LED and color MR-16 lamps. MOUNTING: Fully adjustable mounting arm to provide light aiming. Fixtures are mounted on a heavy duty stainless steel/brass base for a firm and stable underwater placement. WIRING: Fixtures are prewired with a 30-foot pigtail of water resistant cable. Other lengths of pigtail cables available.

- Fixture are supplied with 20W MR-16 lamp.
- Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.

**APPLICATIONS:** To be used in fountains,

Do not use in swimming pools and spas.

ponds, garden pools, and waterfalls.

CORONA Lighting Inc.

12V MR-16 50W Max.

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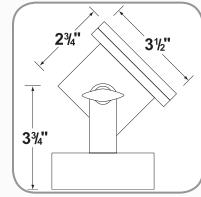
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**CL-310-BK** 

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**APPLICATIONS:** To be used in fountains, ponds, garden pools, and waterfalls. Do not use in swimming pools and spas.

### **SPECIFICATIONS**

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**HOUSING:** Die-Cast aluminum. Louvered face plate CX-852-BK available. **FINISH:** Polyester UV powder coated, available in **BK-**Black.

**WIRING:** Fixture is prewired with a 30-foot pigtail of water resistant cable.

**LENS:** Clear, tempered, and heat resistant glass with silicone gasket, fully sealed for underwater usage.

See page 86 for special effect lenses, honeycomb louver and frosted glass lens CX-251-FR. **LAMP TYPE:** 12V, MR-16 halogen, 50W max. See page 88 for LED and color MR-16 lamps. **MOUNTING:** Fully adjustable mounting arm to provide light aiming. Fixture is mounted on a weighted square base for a firm and stable underwater placement.

- Fixture is supplied with 20W MR-16 lamp.
  Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.



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12V MR-16 50W Max.

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Other lengths of pigtail cables available.





**HOUSING:** Solid brass bell head for CL-806-D-SI and die cast aluminum for CL-807-D-SI with flexible steel arms, available in 24" and 36" length. **FINISH:** Chrome plated fixtures and flexible arms, available in **SI**- Silver Plated. **LENS:** Clear, tempered and heat resistant glass (CL-806-D-SI is lens-less)

LAMP TYPE: CL-806-D-SI, 12V T3 halogen with S.C. bayonet base, 20W max. CL-807-D-SI, 12V MR-16 halogen, 50W max.

See page 88 for S.C. xenon lamp used in CL-806-D-SI and LED, color MR-16 lamps used in CL-807-D-SI.

**MOUNTING:** 3" round aluminum base canopy, chrome plated, with on/off push button covered by rubber boot.

WIRING: Fixtures are prewired with a 3-foot pigtail of cable.

- Fixtures are supplied with 20W lamp.
- Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
  To indicate the length of the arm, add "-24,""-36" to the end of the product number.

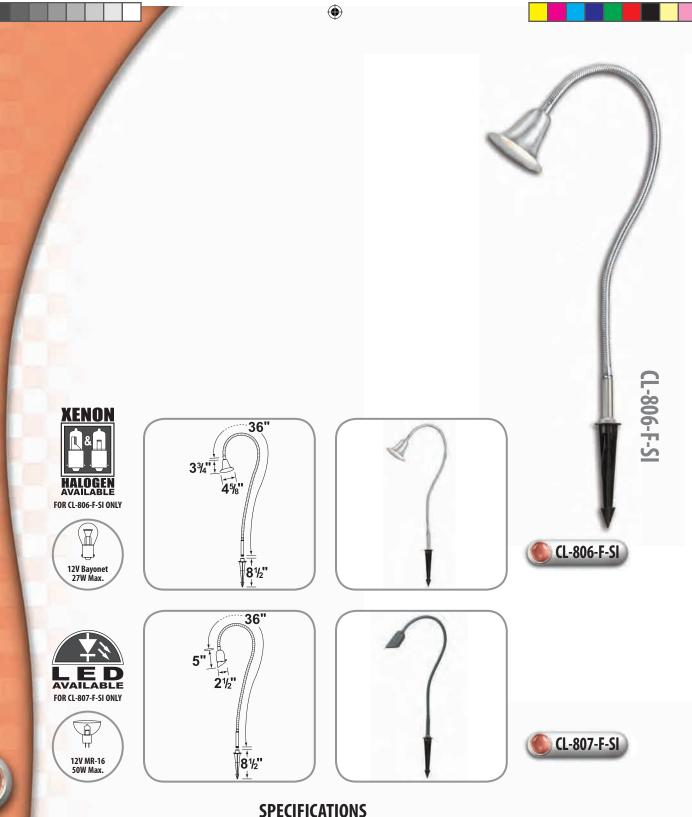
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### **SPECIFICATIONS**

HOUSING: Solid brass bell head for CL-806-F-SI and die cast aluminum for CL-807-F-SI with flexible steel arms, available in 24" and 36" length. FINISH: Chrome plated fixtures and flexible arms, available in SI- Silver Plated. LENS: Clear, tempered and heat resistant glass (CL-806-F-SI is lens-less) LAMP TYPE: CL-806-F-SI, 12V S.C. bayonet, 27W max.

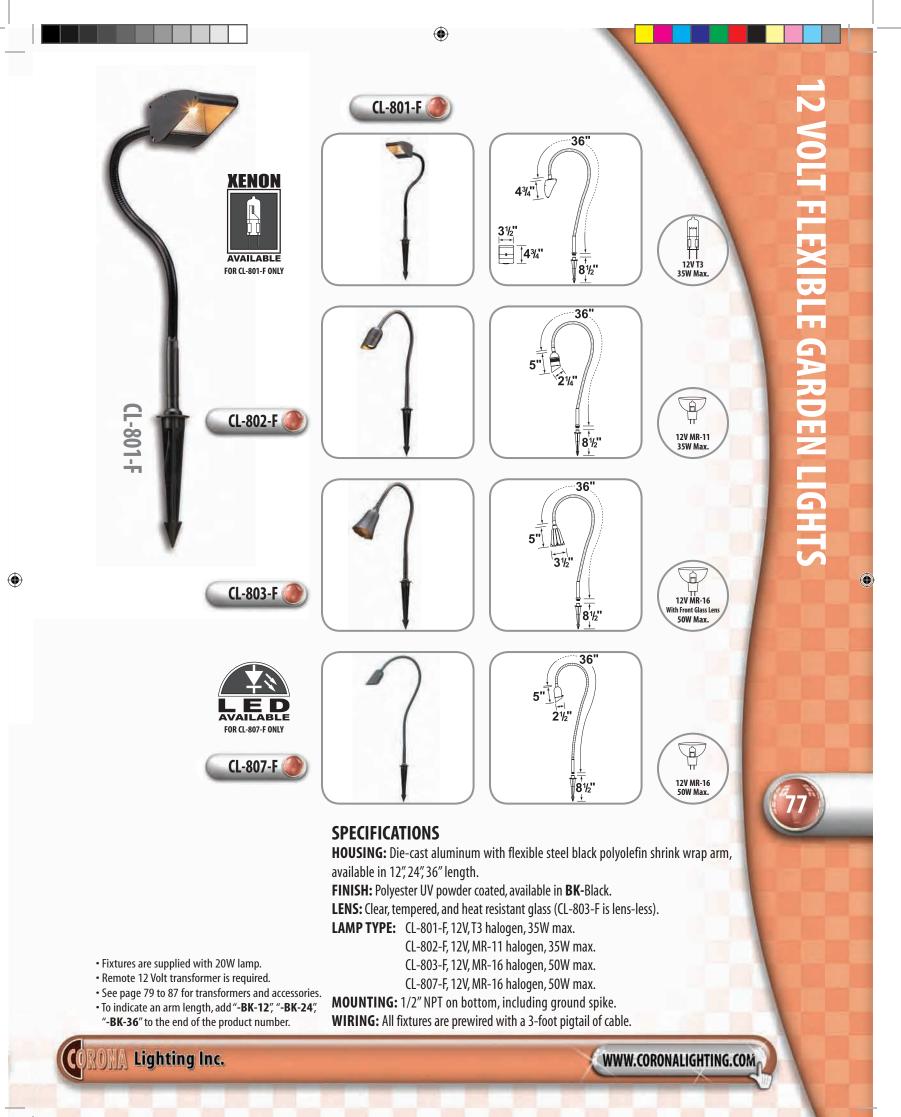
CL-807-F-SI, 12V MR-16 halogen, 50W max.

See page 88 for S.C. xenon and T3 halogen lamps used in CL-806-F-SI and LED, color MR-16 lamps used in CL-807-F-SI. **MOUNTING:** 1/2" NPT on bottom, including ground spike.

- WIRING: Fixtures are prewired with a 3-foot pigtail of cable.
- CL-806-F-SI is supplied with 18W S.C. bayonet and CL-807-F-SI with 20W MR-16 lamps. • Remote 12 Volt transformer is required.
- See page 79 to 87 for transformers and accessories.
- To indicate the length of the arm, add "-24,""-36" to the end of the product number.

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### SPECIFICATIONS

**HOUSING:** Vandel and corrosion resistant injection molded polycarbonate with anodized aluminum reflector. Suitable for wet location.

FINISH: Available in BK-Black, GR-Green, WH-White (BK-Black on WS-40).

LENS: High impact clear polycarbonate prismatic lens with tabular silicone lens gasket.

LAMP TYPE: One, two, or three 13 watt twin tube PL compact fluorescent,

- Fixtures are supplied with cool white 4100K lamp. 2 pin, GX23 base.
- Warm white 2700K lamp available.
  When ordering, add the 2 letter color code to the end of the product number. **MOUNTING:** 3"x1/2" threaded cast aluminum swivel knuckle for flexible aiming. **BALAST:** 120 Volts, normal power factor.

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### **T-ST SERIES, MULTI-TAP LOW VOLTAGE TRANSFORMERS**



### 900W triple circuit. PRIMARY VOLTAGE: 120 Volts

**SPECIFICATIONS** 

SECONDARY VOLTAGE: 12, 13, 14 Volts SECONDARY PROTECTION: Re-settable circuit breaker. ENCLOSURE: Polished stainless steel. WIRING: Heavy gauge, grounded and water resistant 6 foot power cord with plug.

AVAILABLE WATTAGE: 300W single circuit, 600W dual circuit,

### **FEATURES**

- NEMA 3R outdoor rated enclosure, seals components from moisture.
- $\frac{1}{2}$ " and  $\frac{3}{4}$ " kockouts on bottom of enclosure to mount conduit.
- Removable cover door and keyhole wall mount brackets.
- Wiring compartment with over size lugs for easy cable hook-up.
- Copper tubes for best connection of main cable to terminals.
- Field installed 24-hour plug-in timer available.
- Field installed 25 foot remote photocell available.
- 3 position function switch: Photo, Off, Photo & Timer.
- X-10 PRO remote control compatible.

PRODUCT	APPROX. D	IMENSIONS	N INCHES
WATTAGE	HEIGHT	WIDTH	DEPTH
300W	13.75	6.00	5.00
600W	15.00	6.00	5.50
900W	15.00	6.00	5.50

### **TRANSFORMER ORDERING INFORMATION**

5"

PRODUCT	PRODUCT	
NUMBER	DESCRIPTION	
T-ST300	300W, 12-14V, single circuit transformer (300W x 1)	
T-ST300-T	300W, 12-14V, single circuit transformer with plug-in timer	
T-ST300-P	300W, 12-14V, single circuit transformer with 25 foot remote photocell	
T-ST300-TP	300W, 12-14V, single circuit transformer with plug-in timer and 25 foot remote photocell	
T-ST600	600W, 12-14V, dual circuit transformer (300W x 2)	
T-ST600-T	600W, 12-14V, dual circuit transformer with plug-in timer	
T-ST600-P	600W, 12-14V, dual circuit transformer with 25 foot remote photocell	
T-ST600-TP	600W, 12-14V, dual circuit transformer with plug-in timer and 25 foot remote photocell	
T-ST900	900W, 12-14V, triple circuit transformer (300W x 3 )	
T-ST900-T	900W, 12-14V, triple circuit transformer with plug-in timer	
T-ST900-P	900W, 12-14V, triple circuit transformer with 25 foot remote photocell	
T-ST900-TP	900W, 12-14V, triple circuit transformer with plug-in timer and 25 foot remote photocell	
	page 01	

### ACCESSORIES: See page 81

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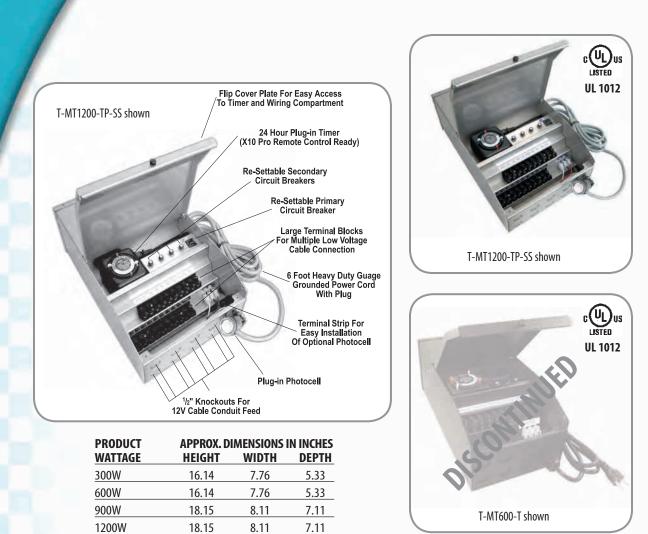
T-ST300-T shown

• Caution: Always use installation instruction sheet prior to hook-up. Improper installation will result in permanent damage to system and voids warranty

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### SPECIFICATIONS

AVAILABLE WATTAGE: 300W single circuit, 600W dual circuit, 900W triple circuit, 1200W quad circuit. PRIMARY VOLTAGE: 120 Volts SECONDARY VOLTAGE: 12, 13, 14, 15 Volts. PRIMARY AND SECONDARY PROTECTION: Both re-settable circuit breakers. ENCLOSURE: Polished stainless steel. WIRING: Heavy duty gauge, grounded and water resistant 6 foot power cord with plug.

### **FEATURES**

• NEMA 3R outdoor rated enclosure, seals components from moisture.

- Wiring compartment with a cover plate isolate the live components providing safe and easy access to the timer and circuit breakers.
- Double section bobbins provide maximum isolation between the primary and secondary windings.
- · Large terminal blocks for multiple low voltage cables connections.
- 1/2" knockouts on bottom of enclosure to mount conduits and photocell.
- Field installed 24-hour plug-in timer available.
- Field installed plug-in photocell available.
- X-10 PRO remote control compatible.

**T-MT SERIES, MULTI-TAP LOW VOLTAGE TRANSFORMERS** 

### **T-MT SERIES TRANSFORMERS ORDERING INFORMATION**

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STAINLESS STEEL ENCLOSURE	PRODUCT DESCRIPTION
T-MT300-SS	300W, 12-15V, single circuit transformer (300W x 1)
T-MT300-T-SS	300W, 12-15V, single circuit transformer with 24-hour plug-in timer
T-MT300-P-SS	300W, 12-15V, single circuit transformer with field installed photocell
T-MT300-TP-SS	300W, 12-15V, single circuit transformer with 24-hour plug-in timer and
	field installed photocell
T-MT600-SS	600W, 12-15V, dual circuit transformer (300W x 2)
T-MT600-T-SS	600W, 12-15V, dual circuit transformer with 24-hour plug-in timer
T-MT600-P-SS	600W, 12-15V, dual circuit transformer with field installed photocell
T-MT600-TP-SS	600W, 12-15V, dual circuit transformer with 24-hour plug-in timer and
	field installed photocell
T-MT900-SS	900W, 12-15V, triple circuit transformer (300W x 3)
T-MT900-T-SS	900W, 12-15V, triple circuit transformer with 24-hour plug-in timer
T-MT900-P-SS	900W, 12-15V, triple circuit transformer with field installed photocell
T-MT900-TP-SS	900W, 12-15V, triple circuit transformer with 24-hour plug-in timer and
	field installed photocell
T-MT1200-SS	1200W, 12-15V, quad circuit transformer (300W x 4)
T-MT1200-T-SS	1200W, 12-15V, quad circuit transformer with 24- hour plug-in timer
T-MT1200-P-SS	1200W, 12-15V, quad circuit transformer with field installed photocell
T-MT1200-TP-SS	1200W, 12-15V, quad circuit transformer with 24- hour plug-in timer and
	field installed photocell

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• The transformers are dimmable with the dimmers designed for magnetic transformers (on primary only).

Power factor @ full load: 0.98

### ACCESSORIES



**T-FIT** 24 hour plug-in timer Use with T-ST and T-MT series only

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**T-MT-FIP** Field installed photocell Use with T-MT series only



**T-ST-FIP** 25 foot remote photocell Use with T-ST series only

• Caution: Always use installation instruction sheet prior to hook-up. Improper installation will result in permanent damage to system and voids warranty

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### T-C & T-CX SERIES, COMPACT LOW VOLTAGE TRANSFORMERS

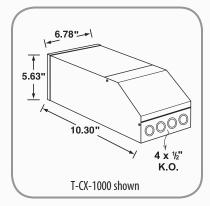
### SPECIFICATIONS

AVAILABLE WATTAGE: 150, 200, 250, 300W single circuit, 300, 500, 600W dual circuit, 750W triple circuit, 1000, 1200W quad circuit. PRIMARY VOLTAGE: 120 Volts SECONDARY VOLTAGE: 12-24 Volts (12 volts for T-C series) PRIMARY PROTECTION: Resettable circuit breaker. Secondary protection optional. ENCLOSURE: Metal, powder coated in black. Polished stainless steel available.

### **FEATURES**

- NEMA 3R outdoor rated enclosure with keyhole wall mount brackets.
- 1/2" knockouts on bottom of enclosure to mount conduit.
- · Lead wire terminals for easy cable installation.
- Standard boost tap, compensate for longer runs.
- Dimmable with any incandescent dimmer.
- Whisper quiet operation.





### TRANSFORMER ORDERING INFORMATION

PRODUCT	PRODUCT	APPROX. [	APPROX. DIMENSIONS IN IN						
NUMBER	DESCRIPTION	HEIGHT	WIDTH	DEPTH					
T-C-150	150W, 12V, single circuit transformer	7.50"	3.11"	2.94"					
T-C-200	200W, 12V, single circuit transformer	7.50"	3.11"	2.94"					
T-C-250	250W, 12V, single circuit transformer	8.00"	4.10"	3.10"					
T-C-300	300W, 12V, single circuit transformer	8.00"	4.10"	3.10"					
T-C-750	750W, 12V, triple circuit transformer	9.41"	4.60"	4.10"					
T-CX-300	300W, 12-24V, dual circuit transformer	8.00"	4.10"	3.10"					
T-CX-500	500W, 12-24V, dual circuit transformer	9.41"	4.60"	4.10"					
T-CX-600	600W, 12-24V, dual circuit transformer	9.41"	4.60"	4.10"					
T-CX-900	900W, 12-24V, triple circuit transformer	10.30"	6.78"	5.63"					
T-CX-1000	1000W, 12-24V, quad circuit transformer	10.30"	6.78"	5.63"					
T-CX-1200	1200W, 12-24V, quad circuit transformer	10.30"	6.78"	5.63"					

• Caution: Always use installation instruction sheet prior to hook-up. Improper installation will result in permanent damage to system and voids warranty

### **OPTIONS:**

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- Available with stainless steel enclosure. When ordering add "-SS" to the end of the product number.
- Available with secondary circuit breaker protection (T-CX-300 excluded).
- When ordering add "-**SC**" to the end of the product number.
- 3. Available in 277 volt primary voltage (T-C-300 and T-CX-600 only). When ordering add "-**HV**" to the end of the product number.
- 4. Available with cord and plug.When ordering add "-**CP**" to the end of the product number.

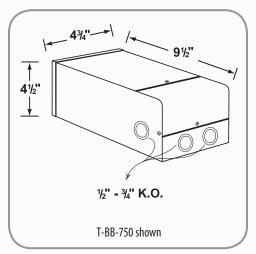
The above product numbers are only for representation of different compact low voltage transformers.

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### **T-BB SERIES, BUCK-BOOST LOW VOLTAGE TRANSFORMERS**





### **SPECIFICATIONS**

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AVAILABLE WATTAGE: 100, 150, 250, 500,750, 1000, 1500, 2000W, single circuit. PRIMARY VOLTAGE: 120-240 Volts SECONDARY VOLTAGE: 12-24 Volts ENCLOSURE: Steel, in gray finish.

### **FEATURES**

- NEMA 3R outdoor rated enclosure with keyhole wall mount brackets.
- 1/2" and 3/4" knockouts on sides and bottom of enclosure to mount conduits.
- Dead front output cover with easy access wiring compartment.
- Lead wire terminals for easy installation.
- Fully encapsulated core and coil.

### **TRANSFORMER ORDERING INFORMATION**

PRODUCT	PRODUCT			
NUMBER	DESCRIPTION	HEIGHT	WIDTH	DEPTH
T-BB-100	100W, 12-24V, Single circuit transformer	8:00	3.30	3.10
T-BB-150	150W, 12-24V, Single circuit transformer	8.00	3.30	3.10
T-BB-250	250W, 12-24V, Single circuit transformer	8.00	3.30	3.10
T-BB-500	500W, 12-24V, Single circuit transformer	10.20	5.10	4.60
T-BB-750	750W, 12-24V, Single circuit transformer	10.20	5.10	4.60
T-BB-1000	1000W, 12-24V, Single circuit transformer	10.20	5.10	4.60
T-BB-1500	1500W, 12-24V, Single circuit transformer	12.50	6.70	5.30
T-BB-2000	2000W, 12-24V, Single circuit transformer	12.50	6.70	5.30

The above product numbers of T-BB series are only for representation of different name brands.

• Caution: Always use installation instruction sheet prior to hook-up. Improper installation will result in permanent damage to system and voids warranty

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### **T-COMPACT ELECTRONIC SERIES, LOW VOLTAGE TRANSFORMERS**

### **SPECIFICATIONS**

AVAILABLE WATTAGE: 60, 75, 150, 300W, single circuit PRIMARY VOLTAGE: 120 Volts SECONDARY VOLTAGE: 12 Volts PROTECTION: Electronic internal reset.



### **TRANSFORMER ORDERING INFORMATION**

PRODUCT	PRODUCT	<b>APPROX. DIMENSIONS IN INCHES</b>							
NUMBER	DESCRIPTION	HEIGHT	WIDTH	DEPTH					
T-LRT-60	60W, 12V, plug-in, 10-foot leadwire, UL-CUL	3.00	1.50	1.00					
T-LET-75	75W, 12V, hardwire, 6-inch leadwire, UR	2.00	1.25	0.75					
T-LET-151	150W, 12V, hardwire, 6-inch leadwire, UR	3.25	1.40	1.00					
T-LVT-303	300W, 12V, hardwire, 6-inch leadwire, UR	9.25	1.60	1.50					

• T-LRT-60 can be pluged to 120V receptacle to power low voltage fixture up to 60W.

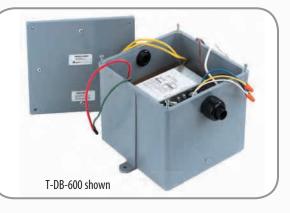
• T-LET-75 can be retrofit in 120V junction box to power single or multiple low voltage fixtures up to 75W.

• All compact electronic series are dimmable.

### **T-DB SERIES, DIRECT BURIAL LOW VOLTAGE TRANSFORMERS**

### **SPECIFICATIONS**

AVAILABLE WATTAGE: 300W single circuit, 600W dual circuit, 900W triple curcuit. Other wattage available. PRIMARY VOLTAGE: 120 Volts SECONDARY VOLTAGE: 12, 13, 14 Volts ENCLOSURE: Heavy duty high temperature fiberglass composite box and cover.



### **TRANSFORMER ORDERING INFORMATION**

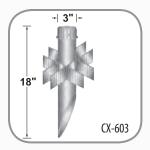
PRODUCT	PRODUCT	APPROX. DIMENSIONS IN INCHES							
NUMBER	DESCRIPTION	HEIGHT	WIDTH	DEPTH					
T-DB-300	300W, 12-14V, single circuit transformer, ETL	7.00	9.00	9.00					
T-DB-600	600W, 12-14V, dual circuit transformer, ETL	7.00	12.00	12.00					
T-DB-900	900W, 12-14V, triple circuit transformer, ETL	7.00	12.00	12.00					

• Available in 277 Volt primary. Consult with factory.

The product numbers of T-DB series are only for representation of different name brands.

• Caution: Always use installation instruction sheet prior to hook-up. Improper installation will result in permanent damage to system and voids warranty

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|----3"-+|

CX-647

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### **PVC MOUNTING POSTS & CAPS**

CX-601	1" post, with 1/2" NPT hub
CX-602	2" post, with 1/2" NPT hub
CX-603	3" post, with 1/2" NPT brass hub
CX-604	1" adjustable, with 1/2" NPT hul

CX-621 1" cap, with 1/2" NPT hub CX-622 2" cap, with 1/2" NPT hub CX-624 3" cap, with 1/2" NPT brass hub

All available in **BK**-Black, **VG**-Verde Green. CX-604 in **BK**-Black only.

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### **←3"**→ **GROUND SPIKES**

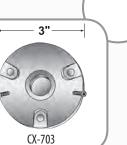
CX-640 Aluminum, male, 6"x1/2" NPT hub CX-641 Aluminum, female, 6"x1/2" NPT hub CX-642 ABS, female, 8.5"x1/2" NPT Hub

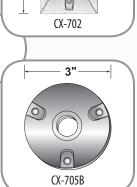
CX-643 Heavy duty ABS, female, 8.5"x1/2" NPT hub CX-646 ABS, female, 8"x1/2" NPT hub CX-647 Heavy duty ABS, female, 10.5"x1/2" NPT hub

All availble in **BK**-Black. CX-646 available in **BR**-Brass, **SS**-Stainless Steel.



101/2"

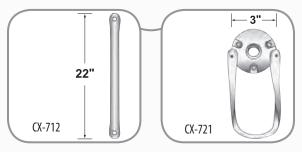




23/4"

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**4**¾"





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• When ordering, add 2 letter color code to the end of the product number.

### **MOUNTING CANOPIES**

- CX-701-BK Aluminum round canopy, with 3x1/2" NPT female hub, Black
- CX-702-BK Aluminum rectangular canopy, with 3x1/2" NPT female hub, Black
- CX-703-BK Aluminum round mini canopy, with screws and 1/2" NPT female hub, Black
- CX-703-BR Brass round mini canopy, with screws and 1/2" NPT female hub, Natural Brass
- CX-705B-AB Brass round mini canopy, with 1/2" NPT female hub, Antique Bronze
- CX-705B-BR Brass round mini canopy, with 1/2" NPT female hub, Natural Brass
- CX-705B-OC Brass round mini canopy, with 1/2" NPT female hub, **Old Copper**
- CX-705B-SI Brass round mini canopy, with 1/2" NPT female hub, Silver Plated
- CX-852-BK Aluminum guard face plate for CL-310-BK, Black

### **RUBBER STRAPS AND TREE MOUNT CANOPIES**

CX-710	9″ strap, Black	CX-720	Aluminum canopy w/9" strap
CX-711	15" strap, Black	CX-721	Aluminum canopy w/15" strap
CX-712	22″ strap, Black	CX-722	Aluminum canopy w/22" strap
CX-713	31" strap, Black	CX-723	Aluminum canopy w/31" strap
CX-714	41" strap, Black	CX-724	Aluminum canopy w/41" strap
			bla in <b>PK</b> and <b>PD</b>

All available in **BK** and **BR** 

### **MOUNTING BRACKETS**

CX-700 Aluminum triangle bracket, with 1/2" NPT hub CX-704 Aluminum oval bracket, with 1/2" NPT hub

All available in **BK**-Black, **BZ**-Bronze, **GR**-Green **GT**-Granite, RT-Rust, VG-Verde Green, WH-White

2%

### **MOUNTING STEMS**

- CX-671 6" aluminum, with coupling on end
- 12" aluminum with coupling on end CX-672
- 18" aluminum with coupling on end CX-673
- CX-680 1/2" aluminum coupling

### All available in **BK**-Black, **BZ**-Bronze, **GR**-Green, GT-Granite, RT-Rust, VG-Verde Green, WH-White

### LOW VOLTAGE CABLES

- CX-208 12 Volt, single circuit, 8-2 direct burial cable, 250 foot reel, Black
- CX-210 12 Volt, single circuit, 10-2 direct burial cable, 500 foot reel, Black
- CX-212 12 Volt, single circuit, 12-2 direct burial cable, 500 foot reel, Black
- 8-2 available in 100 foot reel, 10-2 and 12-2 available in 250 foot and 100 foot reels. When ordering, add your desired length to the end of the product number.
- Cables are two conductor copper stranded with black PVC insulation.

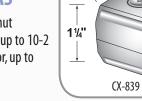
### **6**" $\frac{1}{1}$ 6" CX-856

### **PVC JUNCTION BOXES**

CX-855 4"W x 4"D x 4"H, Gray CX-856 6"W x 6"D x 6"H, Gray CX-857 8"W x 8"D x 7"H, Gray

### **CABLE CONNECTORS** CX-854 Direct burial wire nut

CX-858 Speedy connector, up to 10-2 CX-839 Universal connector, up to 8-2, one/pack



12"

### SPECIAL LENSES AND HONEYCOMB LOUVER

- MR-16 snap on holder, silver plated CX-238
- CX-239 MR-16 honeycomb louver, Black
- CX-240 MR-16 color lens, flat\*
- MR-16 lens, linear spread CX-241 CX-242 MR-16 lens, frosted CX-243 MR-16 lens, prismatic
- \* Available in AM-Amber, BL-Blue, GR-Green, RD-Red, YL-Yellow
- Needs snap on holder CX-238 to hold lenses and louver on MR-16 lamps in most applications.

### **GLASS LENSES**

**PIER MOUNT BASE** 

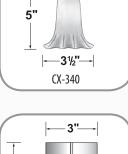
CX-251-FR Frosted glass lens, 2-5/8" O.D. CX-302-CL Clear glass lens for 2 tier pagodas CX-302-FR Frosted glass lens for 2 tier pagodas CX-303-CL Clear glass lens for 3 tier pagodas CX-303-FR Frosted glass lens for 3 tier pagodas CX-304-CL Clear glass lens for 4 tier pagodas

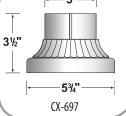
AND POST TOP FOR PAGODAS

CX-697 3" aluminum pier mount base for pagoda lights CX-698 3" aluminum post top for CL-602, 603, 604 CX-699 3" aluminum post top for CL-642, 643, 644

All available in **BK**-Black, **GR**-Green, **VG**-Verde Green

- CX-304-FR Frosted glass lens for 4 tier pagodas CX-340-AG Glass tulip, Amber Green
- CX-340-WH Glass Tulip, White
- CX-380-FR Frosted glass lens, 2-7/8" O.D.
- CX-381-FR Frosted glass lens, 5.00" O.D.
  - 5' 2<sup>3</sup>/4" 3"-CX-698







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12<sup>1</sup>/2"

10"

CX-212

11/4

11/4"

CX-672



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### **HOME AUTOMATION**





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X-XPS3on-off switch, leftX-PA011Duplex receptacle, rightX-PHT02Mini timer, middle

### **CONTROLLERS**

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- X-PHC01 X-10 Mini controller, 8 stations, available in black and white
- **X-PHC02** X-10 Mini controller, 16 stations, available in black
- **X-XPMT1** X-10 Mini timer, available in white
- **X-PHR04** X-10 Key chain remote controller, available in gray
- X-PHR03 X-10 Hand held remote controller, available in white
- **X-PAT01** X-10 Base transceiver, available in white
- **X-PHS01** X-10 Dual flood light motion detector, available in gray

### COMPLETE LINE OF X-10 PRODUCTS AVAILABLE

### RECEIVERS

- X-PAM01 X-10 Appliance module, 2 Pin, available in white
- **X-PAM02** X-10 Appliance module, 3 Pin, available in white
- **X-PLM01** X-10 Plug-in incandescent dimmer, available in white
- X-XPS3 X-10 On-Off rocker switch, with white and ivory covers
- **X-PA011** X-10 Half-switched duplex receptacle, 15A, available in white only
- X-XPDI3 X-10 Inductive dimmer, with white and ivory covers

**X-10** is a network of controllers and receivers which send unique coded signals through home's wiring in order to control lights and appliances automatically. X-10 is affordable, easy to install and simple to use in most applications such as turning ON and OFF the lights at selected intervals or controlling lights by using hand held controller from inside of your car. X-10 turns any home into a comfortable and secured living environment.

For more information about X-10 PRO products contact 1-800-411-2888 or visit web site at WWW.X10PRO.COM



# **VOLT ACCESSORIES AND PARTS**

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### HALOGEN MR-16, CLEAR

L-BAB-20/MB20W, FL
L-ESX-20 20W, SP
L-ESX-20/MB 20W, SP
L-FMW-35/MB
L-EXN-50/MB50W, FL
L-EXT-50 50W, SP
L-EXT-50/MB 50W, SP
L-EYC-75/MB75W, FL
MB stands for major brand lamps.

### HALOGEN MR-11, CLEAR

L-FTB-20.	•	 •	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20W, NSP
L-FTH-35						•		•									35W, FL

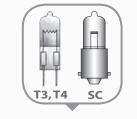


### HALOGEN MR-16, FRONT GLASS

L-BAB-C2020W, FL, clear
L-BAB-B2020W, FL, blue
L-BAB-G2020W, FL, green
L-BAB-R20
L-BAB-Y20
L-FMW-C35
L-FMW-B3535W, FL, blue
L-FMW-G3535W, FL, green
L-FMW-R3535W, FL, red
L-FMW-Y3535W, FL, yellow
L-EXN-C5050W, FL, clear
L-EXN-B50
L-EXN-G5050W, FL, green
L-EXN-R50
L-EXN-Y5050W, FL, yellow

### HALOGEN MR-11, FRONT GLASS

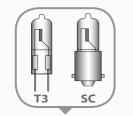
L-FTB-C20	20W, NSP, clear
L-FTH-C35	35W, FL, clear



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### HALOGEN T3, T4, T3/SC

L-10T3 .....10W, T3, G4 bi-pin halogen L-20T3 .....20W, T3, G4 bi-pin halogen L-35T4 ....35W, T4, GY6.35 bi-pin halogen L-50T4 ....50W, T4, GY6.35 bi-pin halogen L-10T3/SC .....10W, T3/SC BA halogen L-20T3/SC .....20W, T3/SC BA halogen Halogen lamps life span is 2000 HRS.



### XENON T3, SC

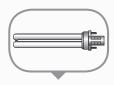
L-X10T3 .....10W, T3, G4 bi-pin xenon L-X20T3 .....20W, T3, G4 bi-pin xenon L-X10SC .....10W, SC BA, xenon L-X20SC .....20W, SC BA, xenon Xenon lamps life span is 10000 HRS.



### **PAR36 SCREW TERMINAL**

L-P-4414
L-P-25WFL
L-P-50WFL
L-PH-35WFL35W, WFL, halogen
L-PH-50WFL50W, WFL, halogen
L-PH-B30WFL 30W, WFL, blue, halogen
L-PH-G30WFL 30W, WFL, green, halogen
L-PH-R30WFL 30W, WFL, red, halogen
L-PH-Y30WFL30W, WFL, yellow, halogen
L-PH-B50WFL . 50W, WFL, blue, halogen
L-PH-G50WFL 50W, WFL, green, halogen
L-PH-R50WFL 50W, WFL, red, halogen
L-PH-Y50WFL50W, WFL, yellow, halogen

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### PL FLUORESCENT

L-PL13-C ...... 13W, cool white 4100K L-PL13-W .....13W, warm white 2700K



### SC BAYONET, CLEAR

L-SCB-897	W
L-SCB-9313	W
L-SCB-114118	W
L-SCB-115627	W



### T5 WEDGE, CLEAR

L-WDG-904	6W
L-WDG-906	
L-WDG-912	
L-WDG-921	



### MR-16 LED, BI-PIN

L-ED16WW ..... 1W, warm white



### T5 WEDGE LED L-EDWDG ...... 0.5W clear

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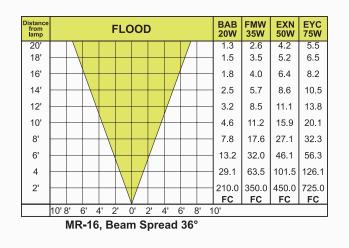
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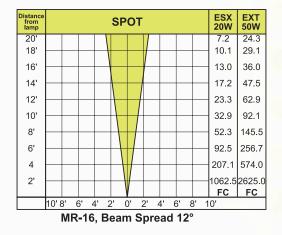
### **MR-16 HALOGEN LAMPS**

LAMP CODE	WATTS	VOLTS	BASE	BEAM SPREAD
BAB	20	12	Bi-Pin	Flood 36°
ESX	20	12	Bi-Pin	Spot 12°
FMW	35	12	Bi-Pin	Flood 36°
EXN	50	12	Bi-Pin	Flood 36°
EXT	50	12	Bi-Pin	Spot 12°
EYC	75	12	Bi-Pin	Flood 36°



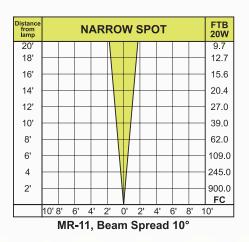
12V MR-16



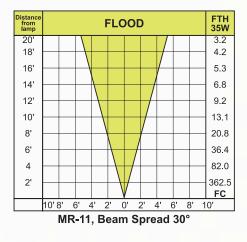


### **MR-11 HALOGEN LAMPS**

LAMP CODE	WATTS	VOLTS	BASE	BEAM SPREAD
FTB	20	12	Bi-Pin	N. Spot 10°
FTH	35	12	Bi-Pin	Flood 30°



• Values are center beam footcandles (FC)



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12V MR-11

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### PHOTOMETRICS GUIDE

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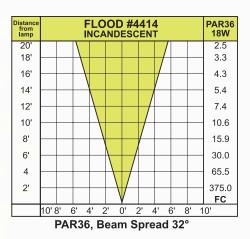
CONONA Lighting Inc.

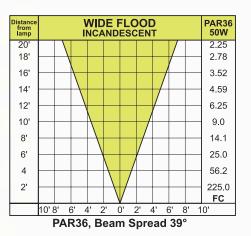


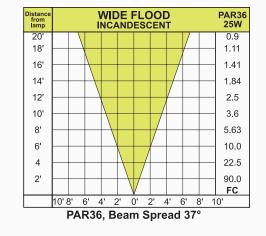
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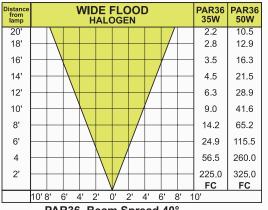


LAMP CODE	WATTS	VOLTS	BASE	BEAM SPREAD
INCANDESC		TOLID	DIDE	JI KEND
4414	18	12	Screw Terminal	Flood 32°
25WFL	25	12	Screw Terminal	W. Flood 37°
50WFL	50	12	Screw Terminal	W. Flood 39°
HALOGEN:				
H35WFL	35	12	Screw Terminal	W. Flood 40°
H50WFL	50	12	Screw Terminal	W. Flood 40 $^\circ$









PAR36, Beam Spread 40°

**MR-16 LED LAMPS** 

XOMA Lighting Inc.

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LAMP CODE	WATTS	VOLTS	BASE	BEAM SPREAD
LEDWW	1	12	Bi-Pin	Flood 45°

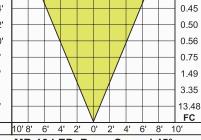
Values are center beam footcandles (FC)



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20'

18'



**FLOOD WHITE WARM** 

10W

0.25

0.25

0.35

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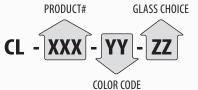
MR-16 LED, Beam Spread 45°

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- Corona Lighting cast aluminum products are finished with a durable UV powder coating which offers the best paint adhesion and corrosion resistance.
- Corona Lighting offers natural finishes on brass, copper and stainless steel products as well as natural toning process on some brass products only (Finishes will vary due to artistic natural process).
- Not all finishes available for all fixtures. See page 1 through 8 to select appropriate finishes of each fixture before ordering.
- Due to printing techniques these colors may vary slightly from actual color.

### **12 VOLT FIXTURE ORDERING EXAMPLE:**

**AG:** Amber-Green tulip glass **WH**: White tulip glass



• When ordering, add 2 letter color code to product # and 2 letter color code of glass if applicable.



### **COLOR ABBREVIATION GUIDE:**

POWDER COATED COLORS: BK-Black, BZ-Bronze, GR-Green, GT-Granite, RT-Rust, VG-Verde Green, WH-White PLATED COLORS: CU-Copper, PB-Polish Brass, SI-Silver NATURAL COLORS: BR-Brass, PC-Polish Copper, RC-Raw Copper, SS-Stainless Steel. NATURAL TONING PROCESS COLORS ON SOME BRASS PRODUCTS: AB-Antique Bronze, OC-Old Copper

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COLOR CHAR

### **DESIGN OF LOW VOLTAGE LIGHTING (LVL) SYSTEM**

### **DESIGN OVERVIEW:**

LVL system is a creative and flexible alternative for landscape. It is easy to install, safe to operate and maintain longer lamp life and significant energy savings. The two components of LVL system are direct burial cable and transformer.

### **12 VOLT TRANSFORMER SIZING:**

Transformer reduces 120V to a safe 12V needed for low voltage lamps. The total lamp wattage of all fixtures connected to a transformer must be less than the capacity of transformer. To determine the size, add up wattage of all lamps and add 10% more for safety factor.

### **TRANSFORMER SIZE: TOTAL FIXTURES WATT x 1.1**

Select a transformer that matches as close as to your total lamp wattage. If total wattage is too great, either devide the load between two transformers or use a more powerful model.

### LOW VOLTAGE CABLE LENGTH:

Voltage drop has an important impact on LVL systems. Voltage drop occurs along the length of cable and lamps at the end of run dimmer than beginning. Voltage drop is a function of cable length, cable size, and total fixtures wattage. Voltage drop can be minimized in several different ways:

- Use heavier gauge cable
- Shorten cable length or runs
- Reduce wattage of each fixture.
- Use multiple transformers
- Reduce total number of fixtures on a run

Cable is measured by gauge. The lower gauge, the thicker cable and the more current it carries. Cable is available in 3 popular sizes of 12-2, 10-2 and 8-2. Refer to Cable Length Guide in below to estimate the maximum allowable cable length.

### LOW VOLTAGE CABLE LENGTH GUIDE

		MAXIM	UM CABL	.E LENGTI	H PER TO	TAL FIXTU	JRE WATTS
Cable Size	Cable Constant	50W	100W	150W	200W	250W	300W
12-2	7500	300′	150′	100'	75′	60	
10-2	11920	475′	240′	160′	120′	100′	80′
8-2	18960	750′	380′	250′	190′	150′	125′

### **CABLE LENGTH FORMULA:**

 $MAX. CABLE LENGTH = \frac{CABLE SIZE CONSTANT}{TOTAL FIXTURE WATTS} X 2$ 

**TIP:** Expect a voltage drop of greater than 2 volts when cable length is longer than recommended. Use the above chart or formula to calculate max. cable length.

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### **12 VOLT CABLE LAYOUT OPTIONS**

**TIP:** Connect all lamps in parallet. Connect one side to "COM" and other side to "12V" terminal

### **LOOP INSTALLATION:**

Fixtures are arranged in a loop, reducing voltage drop.

### **SPLIT LOAD INSTALLATION:**

Fixtures run in two or more directions from transformer. Locating the transformer in the center of run reduces the effects of voltage drop.

### **STRAIGHT RUN INSTALLATION:**

Fixtures run in sequence directly from transformer.

### **"T" INSTALLATION:**

Allows more equal distribution of power to center of the run, or to a run some distance away. Main cable must be heavier gauge (10-2 or 8-2).



### TROUBLE SHOOTING CHECKLIST

Solutions to most common problems

### **ENTIRE SYSTEM WILL NOT OPERATE**

- 1. Check 120V outlet to ensure power is on.
- 2. Check or re-set circuit breaker on transformer.
- 3. Check cable connection at transformer.
- 4. Check transformer by disconnecting cable from output terminals. By-pass timer and/or photocell.

### **CIRCUIT BREAKER ON TRANSFORMER TRIPS**

1. Check cable for any short circuit.

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- 2. Check connection of cable at transformer.
- 3. Recalculate total wattage to ensure not exceeding wattage of transformer or wire length of each run.

### **FIXTURE HAS MOISTURE BUILT-UP INSIDE**

- 1. Check shrouds and lens rings installed properly.
- 2. Check for missing or torn gaskets.
- 3. Check drainage holes for blockage.

### **FIXTURE ON, BUT DIMS**

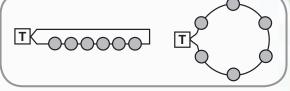
- 1. Check connection point at power cable.
- 2. Recalculate total watts and max. cable length to insure voltage drop does not exceed 2 volts.

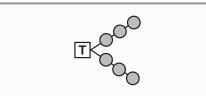
### **FIXTURE WILL NOT LIGHT**

- 1. Check lamp for broken filament.
- 2. Check lamp for proper fit in socket.
- 3. Check fixture connection at power cable.

## ANDSCAPE LIGHTING DESIGN

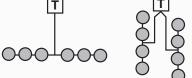
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