

CATHODE LIGHT STRIP

Single-Lamp Modular Cold Cathode Fluorescent Fixture • Model CLS

U.S. and international patents pending.



Conference Room, Anadarko Petroleum
Washington, DC
Architect: Davis Carter Scott

Photo: Eric Long



CATHODE
LIGHTING
SYSTEMS

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FINALLY, THE LOOK OF A CUSTOM COLD CATHODE INSTALLATION IN AN OFF-THE-SHELF MODULAR SYSTEM. OUR ARCHITECTURAL-GRADE COLD CATHODE FIXTURE MAKES DESIGNING SEAMLESS SPECIAL EFFECTS LIGHTING EASIER THAN EVER. LAMPS ARE ILLUMINATED FROM END TO END, CREATING TRUE SHADOWLESS LINEAR FLUORESCENT LIGHT. STANDARD INTEGRAL DIMMING BALLASTS, SIMPLE INSTALLATION, AND A LAMP LIFE OF 50,000 HOURS MAKE **CATHODE LIGHT STRIP** THE CLEAR CHOICE WHEN THE HIGHEST-QUALITY LONG-LIFE LIGHTING EFFECTS ARE REQUIRED. **CATHODE LIGHT STRIP**, PERFECT ELEGANCE WAS NEVER SO EASY.











Model CLS-4 shown equipped with a warm white (30TC) lamp. ▶

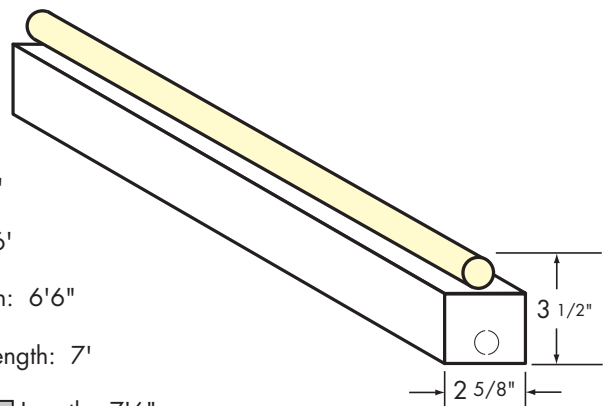
FEATURES:

- **SEAMLESS ILLUMINATION:** Lamp illumination is complete, from end to end, with no dark spots or socket shadow.
- **ULTRA-LONG LAMP LIFE:** The cold cathode lamp has a life of 50,000 hours +.
- **LOW PROFILE:** Just 2 5/8" wide and 3 1/2" tall, much smaller than traditional custom cold cathode.
- **AVAILABLE IN A VARIETY OF LENGTHS:** With eight standard sizes available, fixtures can be combined or used individually to create lengths from four feet up to thousands of feet, in six-inch increments.
- **WIDE COLOR SELECTION:** Lamps are available in six shades of white and 17 vibrant colors.
- **DIMMABLE:** Fixtures are supplied standard with integral dimmable ballasts.
- **ALL FIXTURES DIM AT THE SAME RATE:** Cathode Light Strip has been engineered to dim evenly from fixture to fixture, regardless of length or combinations of differing lengths.
- **STREAMLINED AND LIGHTWEIGHT:** Fixtures are made from satin anodized architectural-grade, snap-fit aluminum extrusion.
- **SIMPLE INSTALLATION AND LOW MAINTENANCE:** All fixtures are provided preassembled, install in minutes, and are essentially maintenance free.
- **cUL US LISTED** for dry and damp commercial and residential locations.

FIXTURE MODELS:

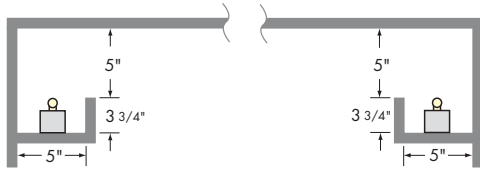
Eight standard fixture lengths are available and may be combined to form any row length from four feet, to thousands of feet, in six inch increments.

- Model CLS-4  Length: 4'
- Model CLS-4.5  Length: 4'6"
- Model CLS-5  Length: 5'
- Model CLS-5.5  Length: 5'6"
- Model CLS-6  Length: 6'
- Model CLS-6.5  Length: 6'6"
- Model CLS-7  Length: 7'
- Model CLS-7.5  Length: 7'6"



TYPICAL COVE MOUNTING DETAIL:

The larger the cove, the more even the lighting effect will be. Although Cathode Light Strip has a minimal profile (2 5/8" wide by 3 1/2" tall), it is always a good idea to allow ample space for installation ease and proper distribution of light.



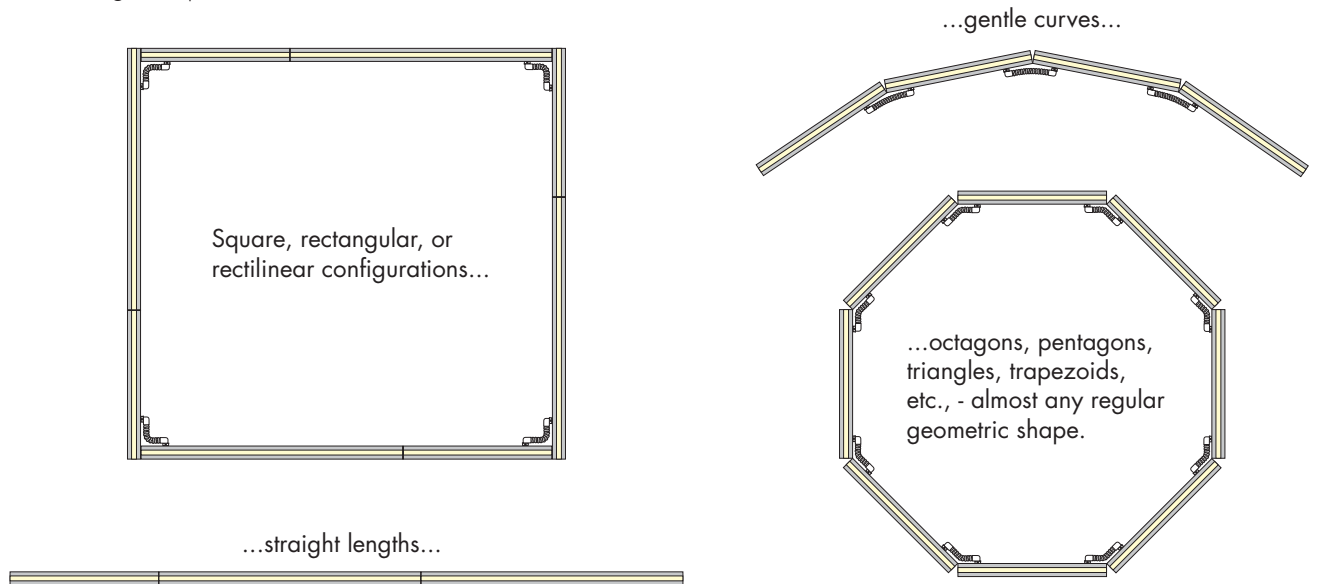
Cove detail from photo at right



These coves are illuminated using a continuous row of model CLS fixtures, with Warm White (30TC) lamps.

TYPICAL CATHODE LIGHT STRIP APPLICATIONS:

Cathode Light Strip can be used in almost any application. When fixtures are butted end-to-end in a straight segment, they are wired together using the electrical knock-outs at the end of each fixture. When mounted at any other angle, electrical connections are made through the sides of the fixture using standard flexible conduit and fittings. Use Cathode Light Strip to illuminate:



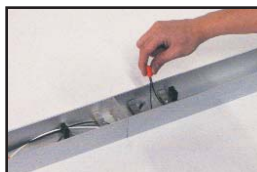
INSTALLATION: Cathode Light Strip is shipped to the job site preassembled, and installation is as easy as:

STEP 1



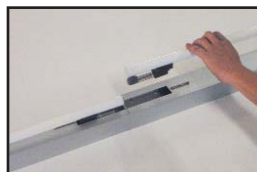
Remove cover and mount the fixture in place.

STEP 2



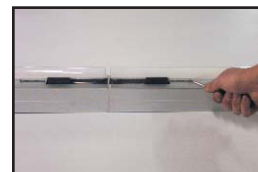
Connect to next fixture and wire to line voltage.

STEP 3



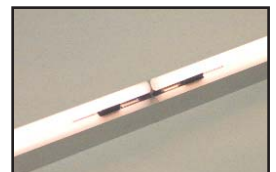
Replace cover; snap lamp in.

STEP 4



Slide lamp locking clip in place.

STEP 5



Energize.

COLORS AND LIGHT OUTPUT Note: All white lamps are triphosphors with a CRI of 85+.

Cat. No.	Lamp color	Lumens per foot	Cat. No.	Lamp color	Lumens per foot
28TC	Incandescent White - 2800°K	371	DP	Deep Purple	36
30TC	Warm White - 3000°K	386	SB	Sky Blue	306
35TC	Soft White - 3500°K	374	DB	Deep Blue	252
42TC	Cool White - 4200°K	358	CB	Cobalt Blue	195
50TC	Ice White - 5000°K	364	TQ	Turquoise	355
65TC	Daylight - 6500°K	369	AQ	Aquamarine	288
PW	Pink White	216	GR	Green	360
HP	Hot Pink	198	EG	Emerald Green	162
RR	Ruby Red	72	GD	Gold	182
LV	Lavender	234	NG	Novial Gold	126
PR	Purple	180	CY	Canary Yellow	196
			OR	Orange	144

Please note: This color chart is a printed representation of lamp colors and should be used as a guide only.

SPECIFICATIONS:

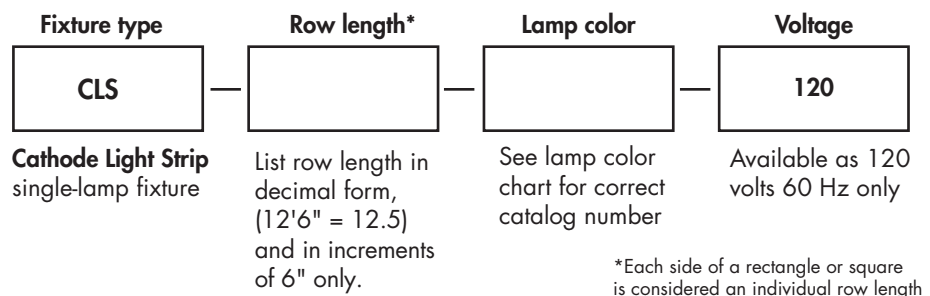
- FIXTURE:** Shall be Cathode Light Strip - Model CLS. Fixture housing shall be .060" satin anodized snap-fit aluminum extrusion with integral dimmable ballast.
- LAMP(S):** Shall be 50,000-hour, 25mm cold cathode fluorescent, color as specified.
- BALLAST:** Shall be 900-volt, 100-mA instant-start cold cathode, class P thermally protected, sound rated A.
- SAFETY FEATURES:** Circuit-interrupt function shall de-energize ballasts when lamps are removed.
- APPROVALS:** Fixture shall be UL and C-UL listed: IEUZ-Fluorescent Surface Mounted Luminaires.
- MANUFACTURER:** Shall be Cathode Lighting Systems Inc., Gaithersburg, MD, USA; (800) 551-5012. Website: www.CathodeLightingSystems.com

ELECTRICAL GUIDELINES AND ORDERING INFORMATION:

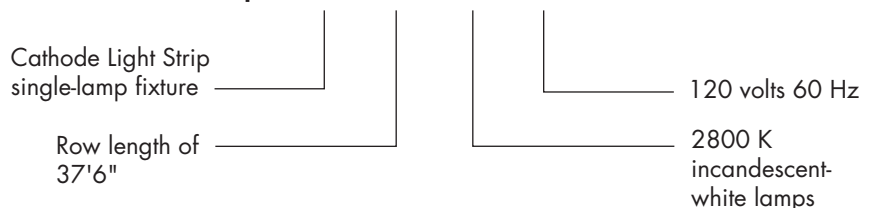
Temperature range:
40 to 100 degrees F.

Electrical information:
Allow approximately 14-20 VA per foot depending upon combination of fixtures. Please consult factory for detailed loading information.

Dimming:
Cathode Light Strip is provided as a dimmable fixture and will dim to approximately 20% without flicker. Dimmers used in conjunction with this fixture must be rated for cold cathode loads. Please consult dimmer manufacturer for inquiries regarding dimmer compatibility.



Example: CLS - 37.5 - 28TC - 120



CATHODE LIGHT STRIP

Double-Lamp Modular Cold Cathode Fluorescent Fixture • Model CLSD

U.S. and international patents pending.



Kitchen in Private Residence
San Francisco, CA
Architect: William Feeney



Photo: Eric Long



8020 Queenair Drive, Gaithersburg, MD 20879 • ph: 301 921 4120 • fax: 301 963 3050
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AT LAST, THE LOOK OF A DOUBLE-ROW CUSTOM COLD CATHODE INSTALLATION IN AN OFF-THE-SHELF MODULAR SYSTEM. OUR ARCHITECTURAL-GRADE COLD CATHODE FIXTURE MAKES DESIGNING SEAMLESS SPECIAL EFFECTS LIGHTING EASIER THAN EVER. WITH INDIVIDUAL DIMMING CONTROL OF EACH LAMP, AN INFINITE VARIETY OF HUES MAY BE ACHIEVED THROUGH LAMP COLOR SELECTION AND BY INDEPENDENTLY DIMMING OR BRIGHTENING EACH COLOR. LAMPS ARE ILLUMINATED FROM END TO END, CREATING TRUE SHADOWLESS LINEAR FLUORESCENT LIGHT. STANDARD INTEGRAL DIMMING BALLASTS, SIMPLE INSTALLATION, AND A LAMP LIFE OF 50,000 HOURS MAKE **CATHODE LIGHT STRIP** THE CLEAR CHOICE WHEN THE HIGHEST-QUALITY LONG-LIFE LIGHTING EFFECTS ARE REQUIRED. **CATHODE LIGHT STRIP**, PERFECT ELEGANCE WAS NEVER SO EASY.

Model CLSD-4 with one sky blue (SB) lamp and one warm white (30TC) lamp. Each lamp can be independently controlled. A wide variety of beautiful colors can be created, from light blue to lavender to a variety of white hues, depending on the degree to which each lamp is dimmed or brightened.











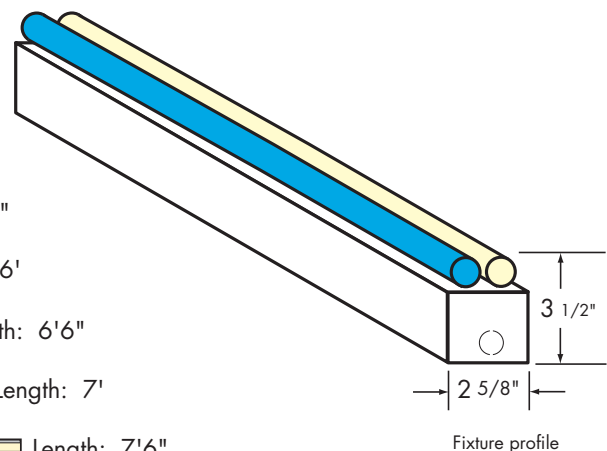
FEATURES:

- **SEAMLESS ILLUMINATION:** Lamp illumination is complete, from end to end, with no dark spots or socket shadow.
- **COLOR CHANGING:** Each lamp can be controlled independently with a suitable dimmer, allowing for an infinite variety of changeable colored lighting effects. Select an incandescent colored lamp and an ice white colored lamp, and any shade of white, from 2800K to 5000K can be achieved, all within one fixture.
- **ULTRA-LONG LAMP LIFE:** The cold cathode lamp has a life of 50,000 hours +.
- **LOW PROFILE:** Just 2 5/8" wide and 3 1/2" tall, much smaller than traditional custom cold cathode.
- **AVAILABLE IN A VARIETY OF LENGTHS:** With eight standard sizes available, fixtures can be combined or used individually to create lengths from four feet up to thousands of feet, in six-inch increments.
- **WIDE COLOR SELECTION:** Lamps are available in six shades of white and 17 vibrant colors. Combine different color lamps, and almost any hue can be achieved, and changed, with the flick of a dimmer switch.
- **DIMMABLE:** Fixtures are supplied standard with integral dimmable ballasts.
- **ALL FIXTURES DIM AT THE SAME RATE:** Cathode Light Strip has been engineered to dim evenly from fixture to fixture, regardless of length or combinations of differing lengths.
- **STREAMLINED AND LIGHTWEIGHT:** Fixtures are made from satin anodized architectural-grade, snap-fit aluminum extrusion.
- **SIMPLE INSTALLATION AND LOW MAINTENANCE:** All fixtures are provided preassembled, install in minutes, and are essentially maintenance free.
- **UL US LISTED** for dry and damp commercial and residential locations.

FIXTURE MODELS:

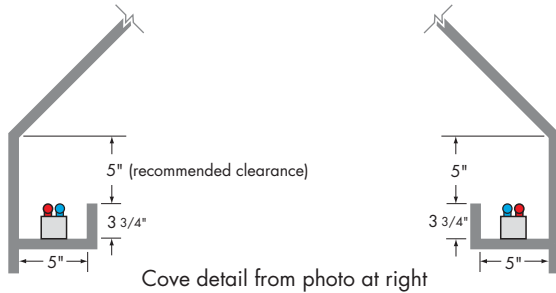
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Model CLSD-4.5		Length: 4'6"
Model CLSD-5		Length: 5'
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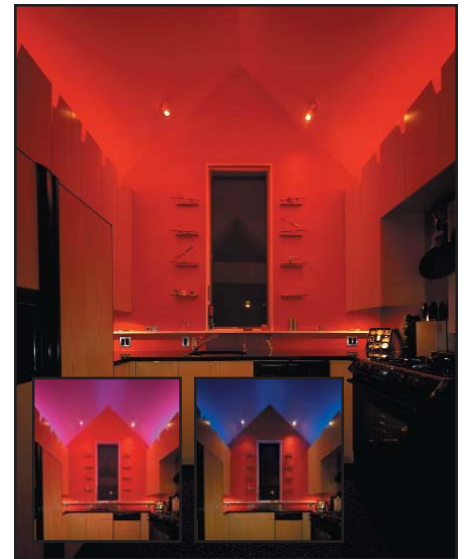


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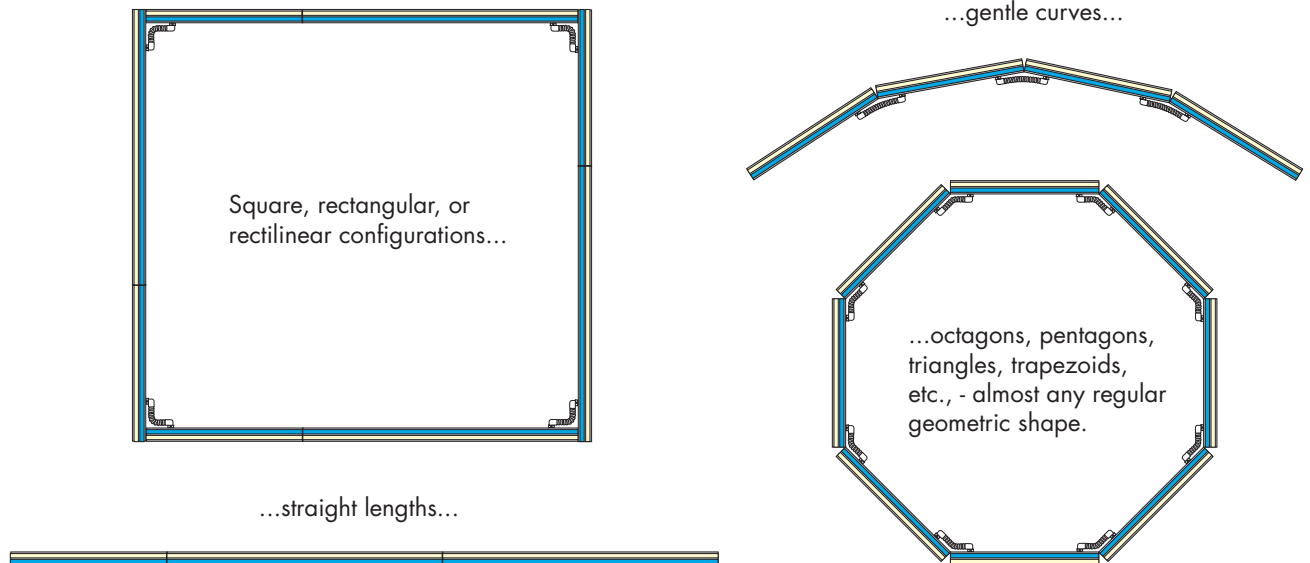


These coves are illuminated using a row of model CLSD fixtures equipped with one ruby red (RR) and one deep blue (DB) lamp. Each color can be independently dimmed or brightened, creating an infinite variety of hues ranging from red to purple, or magenta to deep blue.



TYPICAL CATHODE LIGHT STRIP APPLICATIONS:

Cathode Light Strip can be used in almost any application. When fixtures are butted end-to-end in a straight segment, they are wired together using the electrical knock-outs at the end of each fixture. When mounted at any other angle, electrical connections are made through the sides of the fixture using standard flexible conduit and fittings. Use Cathode Light Strip to illuminate:



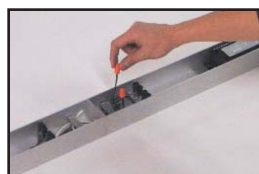
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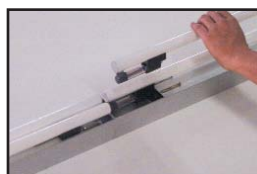
Remove cover and mount the fixture in place.

STEP 2



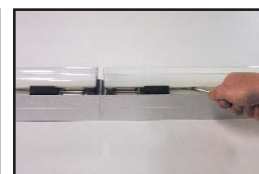
Connect to next fixture and wire to line voltage.

STEP 3



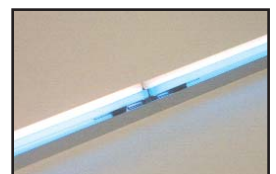
Replace cover; snap lamp in.

STEP 4



Slide lamp locking clip in place.

STEP 5



Energize.

COLORS AND LIGHT OUTPUT Note: All white lamps are triphosphors with a CRI of 85+. Lumens per foot applies to each individual lamp of this double-lamp fixture.

Cat. No.	Lamp color	Lumens per foot	Cat. No.	Lamp color	Lumens per foot
28TC	Incandescent White - 2800°K	371	DP	Deep Purple	36
30TC	Warm White - 3000°K	386	SB	Sky Blue	306
35TC	Soft White - 3500°K	374	DB	Deep Blue	252
42TC	Cool White - 4200°K	358	CB	Cobalt Blue	195
50TC	Ice White - 5000°K	364	TQ	Turquoise	355
65TC	Daylight - 6500°K	369	AQ	Aquamarine	288
PW	Pink White	216	GR	Green	360
HP	Hot Pink	198	EG	Emerald Green	162
RR	Ruby Red	72	GD	Gold	182
LV	Lavender	234	NG	Novial Gold	126
PR	Purple	180	CY	Canary Yellow	196
			OR	Orange	144

Please note: This color chart is a printed representation of lamp colors and should be used as a guide only.

SPECIFICATIONS:

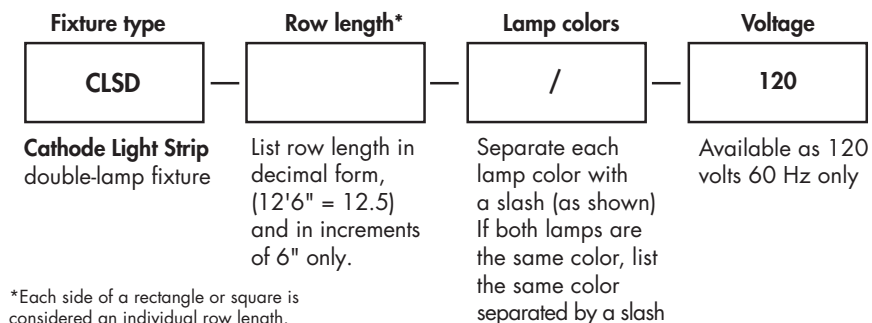
- FIXTURE:** Shall be Cathode Light Strip - Model CLSD. Fixture housing shall be .060" satin anodized snap-fit aluminum extrusion with integral dimmable ballasts.
- LAMP(S):** Shall be 50,000-hour, 25mm cold cathode fluorescent, color(s) as specified.
- BALLAST:** Shall be 900-volt, 100-mA instant-start cold cathode, class P thermally protected, sound rated A.
- SAFETY FEATURES:** Circuit-interrupt function shall de-energize ballasts when lamps are removed.
- APPROVALS:** Fixture shall be UL and C-UL listed: IEUZ-Fluorescent Surface Mounted Luminaires.
- MANUFACTURER:** Shall be Cathode Lighting Systems Inc., Gaithersburg, MD - USA (800) 551-5012. Website: www.CathodeLightingSystems.com

ELECTRICAL GUIDELINES AND ORDERING INFORMATION:

Temperature range:
40 to 100 degrees F.

Electrical information:
Allow approximately 28-40 VA per foot depending upon combination of fixtures. Please consult factory for detailed loading information.

Dimming:
Cathode Light Strip is provided as a dimmable fixture and will dim to approximately 20% without flicker. Dimmers used in conjunction with this fixture must be rated for cold cathode loads. Please consult dimmer manufacturer for inquiries regarding dimmer compatibility.



Example: CLSD - 37.5 - 28TC/DB - 120

