

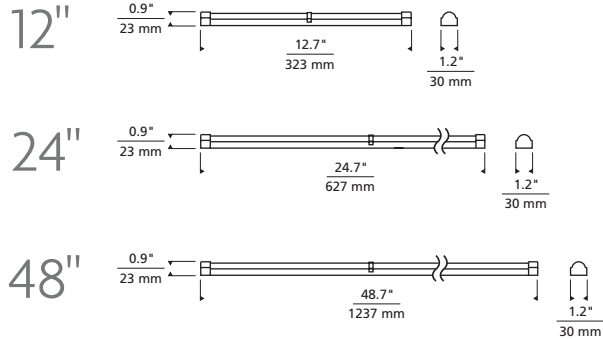
# Unilume LED Micro Channel



ALUMINUM  
(SHOWN OFF)



ALUMINUM  
(SHOWN ON)



## DESCRIPTION

Unilume LED Micro Channel was specifically developed for applications where custom length, end-to-end illumination is crucial. Combining on-site length customization with ultra slim housing design and superior light performance makes the Unilume Micro Channel one of the most unique LED products available.

The special co-extruded remote phosphor mixing channel provides a sleek profile while providing impressive general illumination. As an added benefit, it also creates a clean, white look even when turned off. Available in 300 lumens per foot and 600 lumens per foot. Mounted using adhesive tape or screws and optional angled mounting brackets. Each fixture includes a removable powerfeed endcap and a termination endcap.

## POWER & DIMMING

Each run is powered by a remote or plug-in 24v DC power supply available in varying wattages based on run length and number of fixtures per system. Units are dimmable using an ELV dimmer to 5-15% depending on dimmer selected. Power supplies and connectors are required and sold separately. Please see accessory page for accessory ordering details.

## TECHNICAL SPECIFICATIONS

|                        | 12" Length                          | 24" Length                          | 48" Length                          |
|------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| System Power:          | 3.0 watts/300<br>6.0 watts/600      | 6.0 watts/300<br>12.0 watts/600     | 12.0 watts/300<br>24.0 watts/600    |
| System Efficacy:       | 95 lms/watt                         | 95 lms/watt                         | 95 lms/watt                         |
| Lumens Per Foot:       | 300, 600                            | 300, 600                            | 300, 600                            |
| Color Temperatures:    | 2400K, 3000K<br>3500K, 4000K        | 2400K, 3000K<br>3500K, 4000K        | 2400K, 3000K<br>3500K, 4000K        |
| Color Rendering Index: | 80+                                 | 80+                                 | 80+                                 |
| Power Factor:          | 0.95                                | 0.95                                | 0.95                                |
| Input Power:           | 24V DC                              | 24V DC                              | 24V DC                              |
| Dimming:               | To 5%-15%<br>Depending<br>on Dimmer | To 5%-15%<br>Depending<br>on Dimmer | To 5%-15%<br>Depending<br>on Dimmer |
| Warranty:              | 5 years                             | 5 years                             | 5 years                             |

## ORDERING INFORMATION

| 700UMCD | OUTPUT     | LENGTH | CRI/COLOR TEMPERATURE | FINISH     |
|---------|------------|--------|-----------------------|------------|
| 3       | 300 LMS/FT | 01 1'  | 824 80 CRI / 2400K    | A ALUMINUM |
| 6       | 600 LMS/FT | 02 2'  | 835 80 CRI / 3500K    |            |
|         |            | 04 4'  | 840 80 CRI / 4000K    |            |
|         |            |        | 930 90 CRI / 3000K    |            |



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700UMCD \_\_\_\_\_

FIXTURE TYPE: \_\_\_\_\_

JOB NAME: \_\_\_\_\_



# Unilume LED Micro Channel Accessories

## TRANSFORMERS

Whether powered from a junction box or wall outlet, Unilume LED Micro Channel offers a broad selection of remote transformers to power the system. At least one transformer is required to provide power.

| TRANSFORMER | INPUT VOLTAGE<br>OUTPUT VOLTAGE<br>WATTAGE<br>TYPE                  | ITEM NUMBER                                  | COMPATIBLE<br>DIMMER<br>TYPE           | MOUNTING TYPE | NOTES  |
|-------------|---|--|--|---------------|--|
|             | 1 X 120V<br>24V DC<br>1 X 60 WATTS NO LOAD<br>ELECTRONIC DC         | 700AT0624EL                                  | LOW-VOLTAGE<br>ELECTRONIC<br>450 WATTS | REMOTE        |  |
|             | 1 X 120V<br>24V DC<br>1 X 150 WATTS NO LOAD<br>ELECTRONIC DC        | 700AT1524EL                                  | LOW-VOLTAGE<br>ELECTRONIC<br>600 WATTS | REMOTE        |  |
|             | 1 X 120V<br>24V DC<br>1 X 30 WATTS NO LOAD<br>ELECTRONIC DC PLUG-IN | BLACK: 700AT0324ELPB<br>WHITE: 700AT0324ELPW | LOW-VOLTAGE<br>ELECTRONIC<br>450 WATTS | WALL PLUG-IN  | INTEGRATED 3 PRONG PLUG:<br>INCLUDES THE TRANSFORMER<br>3' OF LEADS FOR CONNECTION<br>TO POWERFEED |
|             | 1 X 120V<br>24V DC<br>1 X 60 WATTS NO LOAD<br>ELECTRONIC DC PLUG-IN | BLACK: 700AT0624ELPB<br>WHITE: 700AT0624ELPW | LOW-VOLTAGE<br>ELECTRONIC<br>450 WATTS | WALL PLUG-IN  | INTEGRATED 3 PRONG PLUG:<br>INCLUDES THE TRANSFORMER<br>3' OF LEADS FOR CONNECTION<br>TO POWERFEED |

## POWER FEED CABLE

Required to get power from the transformer to the Unilume LED Micro Channel system.

| 700UMCPF | LENGTH | FINISH     |
|----------|--------|------------|
|          | 06 6'  | A ALUMINUM |
|          | 12 12' |            |

## FEMALE TO FEMALE CONNECTOR

Joins two Jumper Connectors together to create extended runs or custom lengths.

| 700UMCFC | FINISH     |
|----------|------------|
|          | A ALUMINUM |

## T-CONNECTOR

Used to join three fixtures together in a T configuration.

| 700UMCTC | FINISH     |
|----------|------------|
|          | A ALUMINUM |

## JUMPER CONNECTORS

When systems need to be extended or change direction, Jumper Connectors allow Unilume LED Micro Channel units to be connected together over longer distances. 3"-24" jumpers include power feed endcap.

| 700UMCJC | LENGTH | FINISH     |
|----------|--------|------------|
|          | 01 1"  | A ALUMINUM |
|          | 03 3"  |            |
|          | 06 6"  |            |
|          | 12 12" |            |
|          | 24 24" |            |

## L-CONNECTOR

Used to join two fixtures together while forming a 90 degree angle.

| 700UMCLC | FINISH     |
|----------|------------|
|          | A ALUMINUM |

## MOUNTING BRACKETS

Used to mount units at an angle to create the desired lighting effect. Come in a set of 4 to be used every 2 feet.

| 700UMCMB | ANGLE                           | FINISH     |
|----------|---------------------------------|------------|
|          | 30 30° ANGLED MOUNTING BRACKETS | A ALUMINUM |
|          | 45 40° ANGLED MOUNTING BRACKETS |            |
|          | 90 90° ANGLED MOUNTING BRACKETS |            |



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