

Specflex

Architectural Strip Lighting

## AFSS73 Wet Location Series

24V Static White, High Density 73 LEDs per foot

IP67 Wet Location Rated 24V Architectural Flex Strip,

Static White, 73 LEDs per foot

Offered in a range of outputs, all with excellent color rendering and color consistency. Designed for reliable performance in wet location environments. Ideal for indoor and outdoor wet location applications including handrail and step lighting, building, display, and landscape accent lighting.



### FEATURES

- IP67 Wet Location Rated
- High Density: 73 LEDs per foot
- Three (3) Wattage/Lumen options
- 95+ CRI and <5 SDCM ensures excellent color rendering and consistency
- Full Reels or Factory Cut into Custom Lengths
- Low power consumption with consistent, stable performance
- Wide range of Dimming and Non-dimming LED Drivers, Connectors, Mounting Channels, and Lenses
- Declare Listed
- Complete System is cCSAus Listed to UL and CSA Standards



| SERIES                    | AFSS73-3   | AFSS73-5 | AFSS73-7 |
|---------------------------|--|----------|----------|
| WATTAGE                   | 3W/Ft  | 5W/Ft    | 7W/Ft    |
| LUMEN OUTPUT <sup>1</sup> | 333Lm/Ft   | 537Lm/Ft | 695Lm/Ft |
| EFFICACY <sup>1</sup>     | 111Lm/W  | 107Lm/W  | 95Lm/W   |
| MAX RUN LENGTH            | 26.2Ft   | 21.3Ft   | 16.4Ft   |
| LED DENSITY               | 73 LEDs/Ft   |          |          |
| CUT INCREMENT             | 1.31-Inches (33mm), Field Cuttable   |          |          |
| STRIP LIGHT WIDTH         | 0.47-Inches (12mm)   |          |          |
| MOUNTING                  | 3M™ VHB Double Sided Tape / Channels & Clips   |          |          |
| COLOR TEMPERATURE         | 2700K / 3000K / 3500K / 4000K / Consult factory for additional CCT options   |          |          |
| CRI                       | 95+, R9 >84  |          |          |
| COLOR CONSISTENCY         | <5 SDCM (Standard Deviation Color Matching)  |          |          |
| OPERATING VOLTAGE         | 24V DC   |          |          |
| DIMMING                   | Forward / Reverse Phase and 0-10V  |          |          |
| OPERATING TEMP.           | -25° to 40°C (-13° to 104°F)   |          |          |
| LIFE RATING               | 50,000 Hours @ 70% Lumen Maintenance   |          |          |
| LISTINGS                  | cCSAus Listed to UL and CSA Standards<br>IP67 Rated; Suitable for Wet Locations<br>Declare Listed<br>RoHS Compliant<br>For use with Class 2 LED Drivers only                         |          |          |
| WARRANTY                  | Five (5) year replacement after date of purchase when installed within Mounting Channel<br>Three (3) year replacement after date of purchase when installed without Mounting Channel |          |          |

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

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ORDERING INFORMATION

FULL REELS

- Full Reels are available in Max Run Length for each available Wattage
- Each Reel has a 72-inch Plenum Rated Cable Power Lead soldered to the start of the length
- Additional lengths of Plenum Cable available (ordered separately)
- If field cut, use the included Silicone Endcaps with Silicone Sealant (TLAOSG) to re-seal the Strip Light
- Silicone Sealant (TLAOSG) and Plenum Rated Cable (CMP-2C) ordered separately; see Page 6 for details

Example Order: AFSS73-330K-7-R

| Series                                      | Wattage  | CCT <sup>1</sup> /CRI  | Location                   | Illuminated Length  |
|---|--|--|----------------------------|---|
| <b>AFSS73</b><br>Static White:<br>73LEDs/Ft | <b>3</b> 3W/Ft<br><b>5</b> 5W/Ft<br><b>7</b> 7W/Ft | <b>95+</b> CRI<br><b>27K</b> 2700K<br><b>30K</b> 3000K<br><b>35K</b> 3500K<br><b>40K</b> 4000K | <b>7</b> IP67 Wet Location | <b>R</b> Full Reel with 72-inch Power lead<br>3W/Ft: 26.2 Ft Reel<br>5W/Ft: 21.3 Ft Reel<br>7W/Ft: 16.4 Ft Reel |

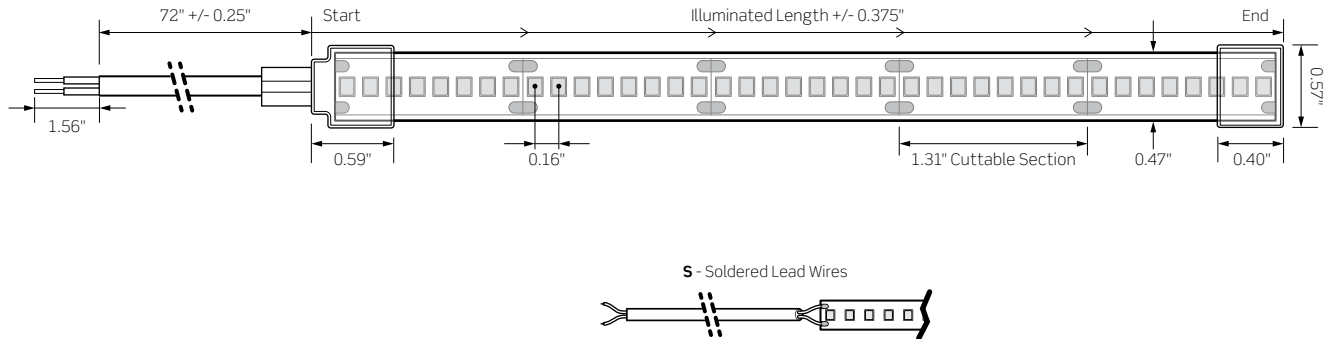
CUSTOM LENGTHS

- Custom Lengths cannot exceed the Maximum Run Length for the specified Wattage; see Max Run Length table on Page 10 for details
- Custom Lengths are factory sealed and bonded with specified Start of and End of Run Terminations.
- If No Termination (NT) is specified for the End Termination, the end of the Strip Light will be sealed with an Endcap
- Allow additional lead time for Custom Lengths
- Custom Lengths are made-to-order and are not returnable; approved Submittal Sheets are required before processing the order

Example Order: AFSS73-330K-7-S-NT-C188

| Series                                      | Wattage  | CCT <sup>1</sup> /CRI  | Location                   | Start Termination   | End Termination   | Custom Length  |
|---|--|--|----------------------------|---|---|--|
| <b>AFSS73</b><br>Static White:<br>73LEDs/Ft | <b>3</b> 3W/Ft<br><b>5</b> 5W/Ft<br><b>7</b> 7W/Ft | <b>95+</b> CRI<br><b>27K</b> 2700K<br><b>30K</b> 3000K<br><b>35K</b> 3500K<br><b>40K</b> 4000K | <b>7</b> IP67 Wet Location | <b>S<sup>2</sup></b> 72-inch Soldered Lead Wires<br><br><b>SXXX<sup>2</sup></b> Custom Length Soldered Lead Wires | <b>NT</b> No Termination<br><br><b>S<sup>2</sup></b> 72-inch Soldered Lead Wires<br><br><b>SXXX<sup>2</sup></b> Custom Length Soldered Lead Wires | <b>CXXX</b> Custom Length<br>Desired length is specified in inches i.e. if the desired length is 15 Ft.-8-Inches or 188-inches total, enter C188<br>AFSS73 Series has a cut increment of 1.31-inches, illuminated length will be rounded down to nearest cut increment |

1. Consult factory for additional CCT options; allow additional lead time for special request CCTs
2. All Lead Wires come sheathed in a Plenum Rated Cable rated to 90°C minimum; specify Custom Length Lead Wires in inches; max length: 120-inches



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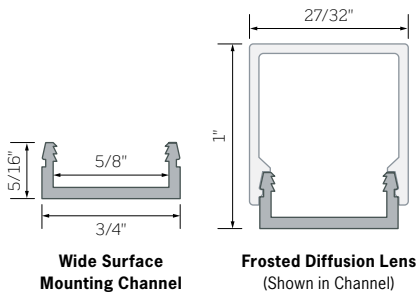
24V MOUNTING CHANNELS AND ACCESSORIES

- ALUMINUM MOUNTING CHANNEL**
  - Provides excellent heat sinking and protection to the LEDs while ensuring a clean, straight run
  - Anodized Satin Aluminum Channel
  - All Channels and Accessories are Declare Listed

**CHANNEL MOUNTING CLIPS**
  - Stainless Steel
  - 24-Inches between clips recommended for most applications
- CHANNEL ENDCAPS**
  - Creates a clean finish to the Mounting Channel
  - ABS Grey Plastic
  - Endcaps are ordered individually; one (1) solid Endcap and one (1) open Endcap (with Slot) is recommended
  - Use Endcaps with Slots for Power Feed

Channel, Lens, Endcaps, and Mounting Clips are ordered separately

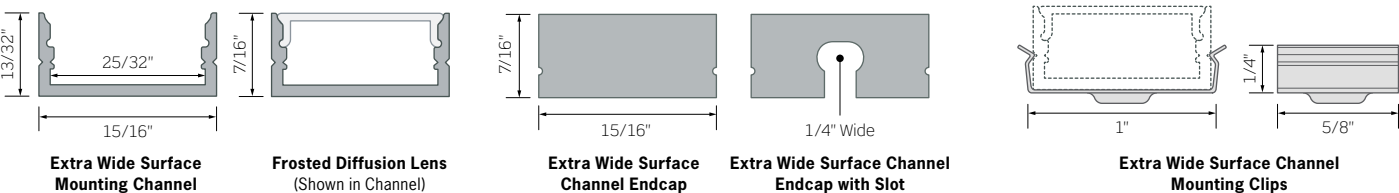
WIDE SURFACE MOUNTING CHANNEL



| Channel and Lens     |   |
|----------------------|---|
| <b>AFEX1508S72-S</b> | 6 Ft. Wide Surface Mounting Channel, Aluminum   |
| <b>AFL1572-FR</b>    | 6 Ft. Wide Surface Channel Diffusion Lens, Frosted<br>No Pixelation with Diffusion Lens |

Mounting Clips not available; use 3M™ Double-Sided Adhesive or Screw and Wall Anchor

EXTRA WIDE SURFACE MOUNTING CHANNEL



| Channel and Lens     |  |
|----------------------|--|
| <b>AFEX2011S72-S</b> | 6 Ft. Extra Wide Surface Mounting Channel, Aluminum  |
| <b>AFL2072-FR</b>    | 6 Ft. Extra Wide Surface Channel Diffusion Lens, Frosted;<br>No Pixelation with Diffusion Lens |

| Endcaps              |   |
|----------------------|---|
| <b>AFEX2011S-EC</b>  | Extra Wide Surface Channel Solid Endcap, Grey     |
| <b>AFEX2011S-ECS</b> | Extra Wide Surface Channel Endcap with Slot, Grey |

| Mounting Clips       |  |
|----------------------|--|
| <b>AFEX2011S-MC4</b> | Four (4) Mounting Clips, Stainless Steel |

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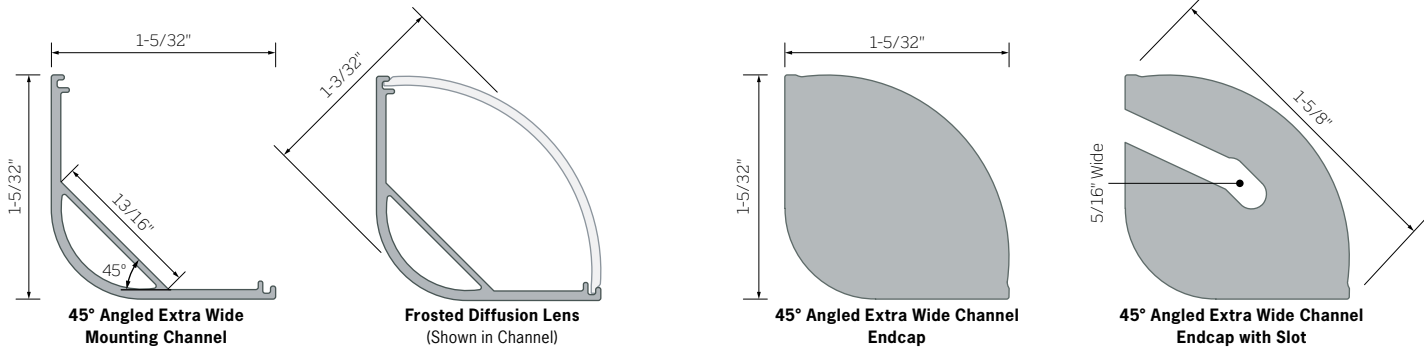
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24V MOUNTING CHANNELS AND ACCESSORIES

45° ANGLED EXTRA WIDE MOUNTING CHANNEL



| Channel and Lens     |  |
|----------------------|--|
| <b>AFEX2030A72-S</b> | 6 Ft. 45° Angled Extra Wide Mounting Channel, Aluminum   |
| <b>AFL20A72-FR</b>   | 6 Ft. 45° Angled Extra Wide Channel Diffusion Lens, Frosted; No Pixelation with Diffusion Lens |

| Endcaps              |  |
|----------------------|--|
| <b>AFEX2030A-EC</b>  | 45° Angled Extra Wide Channel Solid Endcap, Grey     |
| <b>AFEX2030A-ECS</b> | 45° Angled Extra Wide Channel Endcap with Slot, Grey |

Mounting Clips not available; use 3M™ Double-Sided Adhesive or Screw and Wall Anchor

EXTRA WIDE RECESSED MOUNTING CHANNEL



| Channel and Lens     |  |
|----------------------|--|
| <b>AFEX2011R72-S</b> | 6 Ft. Extra Wide Recessed Mounting Channel, Aluminum   |
| <b>AFL2072-FR</b>    | 6 Ft. Extra Wide Recessed Channel Diffusion Lens, Frosted; No Pixelation with Diffusion Lens |

| Endcaps              |  |
|----------------------|--|
| <b>AFEX2011R-EC</b>  | Extra Wide Recessed Channel Solid Endcap, Grey     |
| <b>AFEX2011R-ECS</b> | Extra Wide Recessed Channel Endcap with Slot, Grey |

Mounting Clips not available; use 3M™ Double-Sided Adhesive or Screw and Wall Anchor

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24V CONNECTORS

TLCC Series

Barrel Connectors

- 6-Inch long Male and Female Connector
- Includes Wire Pigtail
- Hardwire to LED Driver for easy plug in connection

| Model Number                         |
|--------------------------------------|
| <b>TLCCM</b> Male barrel connector   |
| <b>TLCCF</b> Female barrel connector |



TLCS Series

Plug-and-Play Power Splitter

- Approximately 2 feet long
- 2-Way: one (1) Male and two (2) Female Connectors
- 3-Way: one (1) Male and three (3) Female Connectors

| Model Number                                    |
|---|
| <b>TLCS2</b> Plug-and-play 2-way power splitter |
| <b>TLCS3</b> Plug-and-play 3-way power splitter |



TLCEXT Series

Plug-and-Play Power Extension

- Select from 24-, 36-, 48- and 96-inch lengths
- Male Plug Connector on one end, Female Plug Connector on other

| Model Number                            |
|---|
| <b>TLCEXT24</b> 24 Inch power extension |
| <b>TLCEXT36</b> 36 Inch power extension |
| <b>TLCEXT48</b> 48 Inch power extension |
| <b>TLCEXT96</b> 96 Inch power extension |



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24V ACCESSORIES

Plenum Rated Cable

Two Conductor Plenum Rated Cable

| Model Number |      |            |       |
|--------------|------|------------|-------|
| CMP-2C-10    | 10Ft | CMP-2C-30  | 30Ft  |
| CMP-2C-15    | 15Ft | CMP-2C-50  | 50Ft  |
| CMP-2C-20    | 20Ft | CMP-2C-100 | 100Ft |



Silicone Sealant

Wet Location Silicone Sealant

| Model Number |                  |
|--------------|------------------|
| TLA0SG       | Silicone Sealant |




24V CONTROLLERS

TLPRTW

4-Channel Power Repeater

- Enables synchronized control of multiple runs from one controller
- Use with Non-dimming LED Drivers
- Not UL Listed for outdoor use

| Model Number                      |
|-----------------------------------|
| TLPRTW                            |
| 4-Channel Power Repeater          |
| (5-5/16" L x 1-3/4" W x 1-1/8" D) |




TLPINT

DMX 512 CV Decoder

- Designed to convert universal DMX 512 signal to PWM signal when used with a DMX 512 console (by others)
- Use with Non-dimming LED Drivers
- Not UL Listed for outdoor use

| Model Number                      |
|-----------------------------------|
| TLPINT                            |
| DMX 512 CV Decoder                |
| (6-3/16" L x 3-1/8" W x 1-5/8" D) |




TLPRGBRF

Dimming Controller with RF Remote Control

- Pre-programmed functions include: Color Strobe, 3- Channel Color Change and Gradual Brightness Change. Includes two (2) programmable presets
- Use with Non-dimming LED Drivers
- Not UL Listed for outdoor use

| Model Number                            |
|---|
| TLPRGBRF                                |
| Dimming Controller w/ RF Remote Control |
| (8-3/8" L x 1-5/8" W x 1-3/16" D)       |



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24V HARDWIRE LED DRIVERS

TLP24VHW Series

Hardwire Constant Voltage Driver

- 120VAC Input / 24VDC Output
- Includes stripped and tinned wire pigtails on the input and output sides
- 1 Foot Wire Leads
- Class 2 Recognized
- MUST BE MAINTAINED WITHIN AN ENCLOSURE THAT MEETS LOCAL BUILDING CODES AND NEC (SUPPLIED BY OTHERS)

| Model Number   |
|--|
| <b>TLP24VHW20</b> 20W (5-3/4" L x 1-1/2" W x 1-1/4" H) |
| <b>TLP24VHW60</b> 60W (6-1/3" L x 1-3/4" W x 1-1/4" H) |
| <b>TLP24VHW96</b> 96W (6-1/8" L x 2-3/8" W x 1-1/2" H) |



L3D0 Series

Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade to Black™

- 120-277VAC Input / 24VDC Output
- Enclosed Class 2 Listed Constant Voltage Driver
- 96W Max

| Model Number   |
|--|
| <b>L3D0-96W24V-U</b><br>96W, 24V 120-277VAC<br>(5.5" W x 2" H x 10.5" L) |



TLP24VHW\*MVD-ENC Series

Hardwire Class 2 Constant Voltage Enclosed Driver

- 120-277VAC Input / 24VDC Output
- Class 2 Listed Constant Voltage UL Listed Enclosed LED Driver
- Forward/Reverse Phase and 0-10V Dimming
- 0-10V Dimming delivers smooth flicker free linear dimming down to 1% with most LEDs and a wide variety of compatible dimmers
- No minimum load requirement. Over voltage, current, temperature, and short-circuit protection.

| Model Number   |
|--|
| <b>TLP24VHW60MVD-ENC</b><br>60W, Forward/Reverse Phase and 0-10V Dimming Driver<br>(8" L x 3-3/8" W x 1-1/4" D)      |
| <b>TLP24VHW100MVD-ENC</b><br>96W, Forward/Reverse Phase and 0-10V Dimming Driver<br>(8-1/4" L x 4-1/8" W x 1-1/2" D) |



TLP24VHW\*MV-ENC & TLP24VHW\*MVD2-ENC Series

Hardwire Class 2 Constant Voltage Enclosed Driver

- 120-277VAC Input / 24VDC Output
- Class 2 Listed Constant Voltage UL Listed Enclosed LED Driver with built-in junction boxes; Wet Location Rated
- 0-10V Dimming and Non-dimming Models
- 0-10V Dimming Driver delivers smooth flicker free linear dimming down to 1% with most LEDs and a wide variety of compatible dimmers
- No minimum load requirement. Auto-reset protection for short circuit and over-temperature. Over load protection in CC mode.
- 12-1/8" L x 2-3/8" W x 1-3/8" D

| Model Number   |
|--|
| <b>TLP24VHW60MV-ENC</b><br>60W, Non-dimming Driver     |
| <b>TLP24VHW96MV-ENC</b><br>96W, Non-dimming Driver     |
| <b>TLP24VHW60MVD2-ENC</b><br>60W, 0-10V Dimming Driver |
| <b>TLP24VHW96MVD2-ENC</b><br>96W, 0-10V Dimming Driver |



24V PLUG-IN POWER SUPPLIES

TLP24VP Series

Plug-and-Play Power Supply

- 120VAC Input / 24VDC Output
- Includes AC Wall Plug and Female Power Output Barrel Plug for easy installation
- Class 2 Listed

| Model Number  |
|---|
| <b>TLP24VP36</b> 36W (4-1/4" L x 2" W x 1-3/8" H)     |
| <b>TLP24VP60</b> 60W (4-1/2" L x 2" W x 1-3/8" H)     |
| <b>TLP24VP96</b> 96W (6-1/8" L x 2-3/8" W x 1-1/2" H) |





## Specflex

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### PRODUCT SPECIFICATIONS

#### CONSTRUCTION

- High Density Flex Strip: 73 LEDs per foot
- Encased in silicone sleeve, factory sealed and bonded
- 3-Ounce Copper Construction provides excellent heat dissipation and reduced voltage drop
- Full Reels have 72-inch Soldered Lead sheathed in a Plenum Rated Cable rated to 90°C min.

#### LEDs

- **Color Temperature:**  
2700K, 3000K, 3500K, 4000K  
Consult factory for additional CCT options
- **CRI:**  
95+, R9 >84
- **Color Consistency:**  
<5 SDCM

#### ELECTRICAL

- **Input Voltage:**  
24VDC
- **Average Power Consumption/Wattage:**  
3W, 5W, 7W per Foot
- **Dimming:**  
Forward / Reverse Phase and 0-10V Dimming
- **Ambient Operating Temp:**  
-25° to 40°C (-13° to 104°F)
- System designed and rated for 50,000 hours at 70% lumen maintenance
- Wet Location Rated Drivers and Controllers ordered separately

#### INSTALLATION

- Includes 3M™ VHB Adhesive Backing for strong adhesion to channels and most smooth surfaces
- IP67 Rated Full Strip Light Reels include silicone mounting brackets and screws for low-profile installations
- Silicone Endcaps included to reseal Strip Light if field cut
- Wide selection of Aluminum Mounting Channels are available with or without a Lens, Lens sold separately
- Mounting Channels simplify installation and provide a uniform surface for strip adhesion and thermal management
- Channel Endcaps are available to create a finished appearance to the run; open or closed Endcaps are sold separately
- Mounting Clips available in packs of four (4); includes screws and dry-wall anchors for surface mounting, sold separately
- All Mounting Channels are field cuttable

#### CERTIFICATIONS

- cCSAus Listed to UL and CSA Standards
- IP67 Rated, suitable for Wet Locations
- Declare Listed
- RoHS Compliant

#### WARRANTY

- Covered by ConTech's full replacement guarantee after date of purchase:
  - Five (5) year replacement after date of purchase when installed within Mounting Channel
  - Three (3) year replacement after date of purchase when installed without Mounting Channel

# Declare.

## SpecFlex Architectural Striplight ConTech Lighting

**Final Assembly:** Northbrook, Illinois, USA  
**Life Expectancy:** 5 Year(s)  
**End of Life Options:** Recyclable (35%), Landfill (65%)

#### Ingredients:

Aluminum; Copper; Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; Polyvinyl chloride; Vinyl fluoride-Vinylidene fluoride-Chlorotrifluoroethylene copolymer; RTV silicone rubber; Ethylene glycol monomethyl ether; Tin; Organic; Plastiquinone; 1,3-Isobenzofurandione, polymer with 2,5-furandione and 2,2'-oxybis[ethanol]; Gold; Titanium dioxide; Silver; Diethylene Glycol

#### Living Building Challenge Criteria:

##### I-13 Red List:

- |  |                             |
|--|-----------------------------|
| <input type="checkbox"/> LBC Red List Free     | % Disclosed: 100% at 100ppm |
| <input type="checkbox"/> LBC Red List Approved | VOC Content: Not Applicable |
| <input checked="" type="checkbox"/> Declared   |                             |

**I-10 Interior Performance:** Not Applicable  
**I-14 Responsible Sourcing:** Not Applicable

CNT-0004  
EXP. 01 JUN 2025  
Original Issue Date: 2024

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)



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PHOTOMETRICS

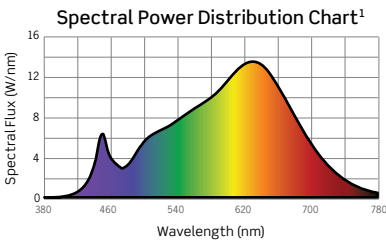
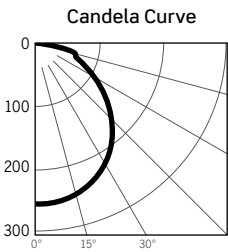
AFSS73-730K-7: 24V Wet Location SpecFlex Strip Light

7W/Ft, 73LEDs/Ft, 1-Foot Strip, 2993K, 97 CRI

Fixture Delivered Lumens: 694.6  
 Total Watts@24V: 7.3  
 Lumens Per Watt: 95.1  
 Center Beam Candle Power: 258  
 Beam Distribution: 108°  
 Spacing Criterion: 1.24

LM-63 Test No. G23092106  
 LM-79 Test No. S24011701

| Intensity Distribution |                     |                    |
|------------------------|---------------------|--------------------|
| DISTANCE<br>(FT.)      | FOOTCANDLES<br>(FC) | BEAM DIA.<br>(FT.) |
| 2 FT                   | 64.4                | 5.5                |
| 4 FT                   | 16.1                | 11.0               |
| 6 FT                   | 7.2                 | 16.4               |
| 8 FT                   | 4.0                 | 21.9               |
| 10 FT                  | 2.6                 | 27.4               |
| 12 FT                  | 1.8                 | 32.9               |



1. Colors Present within the Light Source

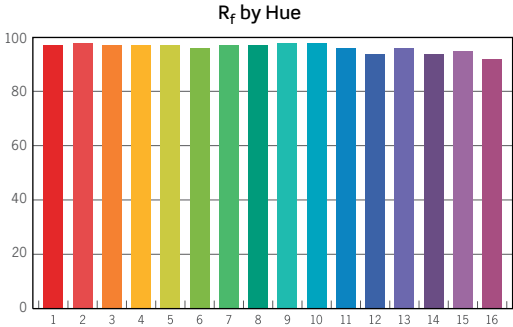
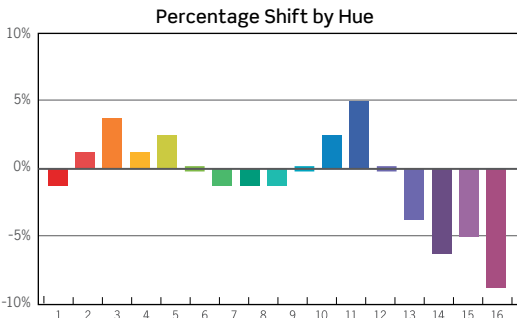
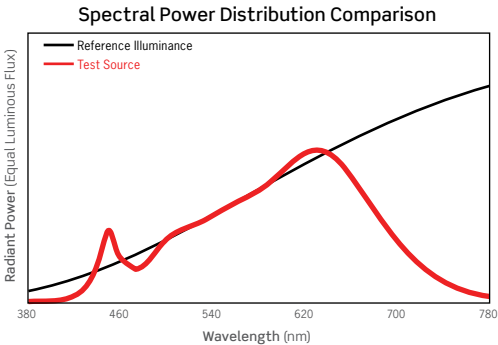
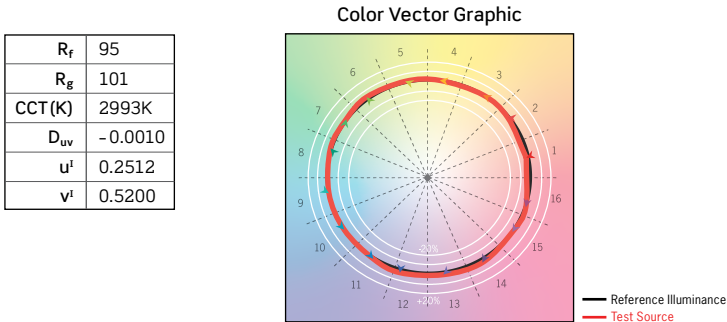
| CCT MULTIPLIERS |       |       |       |
|-----------------|-------|-------|-------|
| 2700K           | 3000K | 3500K | 4000K |
| 0.98            | N/A   | 1.02  | 1.05  |

| OUTPUT MULTIPLIERS |              |              |
|--------------------|--------------|--------------|
| 3W/Ft Series       | 5W/Ft Series | 7W/Ft Series |
| 0.45               | 0.73         | 1.00         |

AFSS73-730K-7 TM-30 DATA

ANSI/IES TM-30-18 Color Rendition Report Test No. S24011701

Colors are for visual orientation purposes only



| HUE BIN              | 1   | 2  | 3  | 4  | 5  | 6  | 7   | 8   | 9  | 10 | 11 | 12 | 13  | 14  | 15  | 16  |
|----------------------|-----|----|----|----|----|----|-----|-----|----|----|----|----|-----|-----|-----|-----|
| HUE SHIFT            | -1% | 1% | 3% | 1% | 2% | 0% | -1% | -1% | 0% | 2% | 4% | 0% | -3% | -5% | -4% | -7% |
| R <sub>f</sub> VALUE | 96  | 97 | 95 | 96 | 97 | 96 | 97  | 98  | 98 | 97 | 94 | 93 | 94  | 92  | 94  | 91  |

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DIMMING SPECIFICATIONS

LED Drivers have been tested with the following Dimmer Models:

TRIAC (LEADING EDGE) DIMMING

| Manufacturer | Product          | Model                          |
|--------------|------------------|--------------------------------|
| Leviton      | SureSlide        | 6672, 6674, 6674N, 66DF        |
|              | Decora Smart     | D26HD, D2MSD, DN6HD            |
|              | Decora Digital   | DDL06-1, DDM06, DDL06-1, DDMX1 |
|              | Decora Slide     | DSL06, DSM10                   |
|              | Illuminatech     | IPL06                          |
|              | Trimatron Rotary | RDL06, RNL06                   |
|              | Toggle Slide     | TSL06, TSM10                   |
| Lutron       | Caseta           | PD-6WCL                        |
|              | Diva             | DVCL-153P                      |
|              | Lumea            | LECL-153P                      |
|              | Maestro          | MACL-153M                      |
|              | Skylark          | SCL-153P                       |
|              | Toggler          | TGCL-153P                      |

ELV (TRAILING EDGE) DIMMING

| Manufacturer | Product        | Model         |
|--------------|----------------|---------------|
| Leviton      | Decora Digital | DDE06         |
| Lutron       | Diva           | DVELV-300P-WH |
|              | Skylark        | SELV-300P-WH  |

0-10V DIMMING

| Manufacturer | Product      | Model                                 |
|--------------|--------------|---------------------------------------|
| Leviton      | Illuminatech | IP710-DLX, IP710-LFZ                  |
| Lutron       | Diva         | DVSCSTV, DVSCTV, DVSTV, DVTV, DVTV-WH |

- Testing has been performed on these Dimmers, but this does not imply any warranty of compatibility
- Dimming performance can be influenced by different Loads, as well as variations in Dimmer Switches within the same Model
- Dimmer Maximum Load Rating with LED may differ from published Traditional Source Dimmer Ratings; consult manufacturer for maximum dimmer information
- Consult factory for additional dimming information

MAX RUN LENGTH

INPUT = 24VDC

| LED Driver | AFSS73-3       | AFSS73-5 | AFSS73-7 |
|------------|----------------|----------|----------|
| Wattage    | Max Run Length |          |          |
| 20W        | 6 FT           | 3 FT     | 2 FT     |
| 36W        | 10 FT          | 6 FT     | 4 FT     |
| 60W        | 17 FT          | 11 FT    | 8 FT     |
| 96W        | 26 FT          | 21 FT    | 16 FT    |

- Max Run refers to the total single run of Strip Light that can go on a Driver
- Max Run Lengths are calculated with 24V DC at the start of the Strip Light run. Voltage drop may occur if not using proper wire gauge. Refer to the Voltage Drop and Wire Length Distance chart.
- Max Run lengths above are calculated with no more than 30% light loss from the start of the Strip Light run to the end of the Strip Light run for optimal light consistency. If run lengths are extended beyond the recommended lengths noted above, there will be inconsistent light output and voltage drop.
- Overall distance of Strip Light under load (lit length). If exceeded, damage to the Driver and Strip Light may result.

VOLTAGE DROP AND WIRE LENGTH DISTANCE

3% VOLTAGE DROP

| Wire Gauge | 20W    | 30W    | 36W    | 60W    | 96W   |
|------------|--------|--------|--------|--------|-------|
| 22 AWG     | 27 FT  | 18 FT  | 15 FT  | 9 FT   | 5 FT  |
| 20 AWG     | 43 FT  | 28 FT  | 24 FT  | 14 FT  | 9 FT  |
| 18 AWG     | 68 FT  | 45 FT  | 38 FT  | 23 FT  | 14 FT |
| 16 AWG     | 109 FT | 72 FT  | 60 FT  | 36 FT  | 23 FT |
| 14 AWG     | 174 FT | 115 FT | 95 FT  | 57 FT  | 36 FT |
| 12 AWG     | 272 FT | 181 FT | 151 FT | 90 FT  | 57 FT |
| 10 AWG     | 432 FT | 288 FT | 240 FT | 144 FT | 90 FT |

The Voltage Drop/Wire Length Distance Chart provides general guidelines for determining wire gauge based on total load and distance from the Driver to the beginning of the Strip Light run.