LEVITON | ConTech

Specflex | AFSD58 Dry Location Series
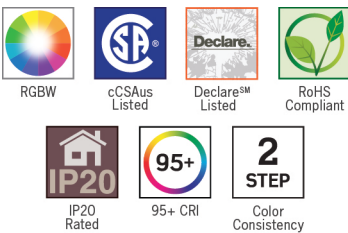## Architectural Strip Lighting | RGBW, 58 LEDs per foot

24V Architectural Flex Strip, RGBW, 58 LEDs per foot

This series offers a dynamic color output using individual RGB (Red, Green, and Blue) diodes in each LED plus one (1) White LED in 2700K or 3000K. Designed for reliable performance and ease of use. Ideal for cove, slot, undercabinet, millwork details, architectural reveals, and endless accent lighting applications.

FEATURES

- Medium Density: 58 LEDs per foot
- One (1) Wattage/Lumen option
- 95+ CRI and <2 SDCM (White LED) ensures excellent color rendering and consistency
- Full Reels or Factory Cut into Custom Lengths
- Low power consumption with consistent, stable performance
- Wide range of Non-dimming LED Drivers, Controllers, Mounting Channels, and Lenses
- Declare Listed
- Complete System is ccCSAus Listed to UL and CSA Standards

RGBW | cCSAus Listed | Declare℠ Listed | RoHS Compliant

IP20 Rated | 95+ CRI | 2 STEP Color Consistency

SERIES	AFSD58-7RGBW			
WATTAGE	7W/Ft			
LUMEN OUTPUT[1]	374Lm/Ft			
EFFICACY[1]	53Lm/W			
COLOR	White	Red	Green	Blue
WAVELENGTH	N/A	620-625nm	525-535nm	465-470nm
LUMEN OUTPUT PER COLOR	176Lm/Ft	32Lm/Ft	135Lm/Ft	35Lm/Ft
MAX RUN LENGTH	16.4Ft			
LED DENSITY	58 LEDs/Ft			
CUT INCREMENT	2.46-Inches (62.5mm), Field Cuttable			
STRIP LIGHT WIDTH	0.47-Inches (12mm)			
MOUNTING	3M™ 300LSE Double Sided Tape / Channels & Clips			
COLOR TEMPERATURE	RGB+2700K, RGB+3000K			
CRI	95+, R9>84 (White LED)			
COLOR CONSISTENCY	<2 SDCM (White LED)			
OPERATING VOLTAGE	24V DC			
OPERATING TEMP.	–25° to 40°C (–13° to 104°F)			
LIFE RATING	50,000 Hours @ 70% Lumen Maintenance			
LISTINGS				
	cCSAus Listed to UL Standards and CSA Standards Suitable for Dry Locations, IP20 Rated. For Wet Location rated options, see AFSD58 Wet Location Series Declare Listed RoHS Compliant For use with Class 2 LED Drivers only			
WARRANTY				
	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			

1. Approximate lumen output based on 3000K with all channels full on; see photometric test results for additional information

LEVITON® | ConTech

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

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 Plenum Rated Cable available (ordered separately), see Page 7 for details
- Reels can be cut in the field to desired length at the indicated cut points; excess Strip Light can be configured for additional installations

Example Order: AFSD58-7RGBW30K-R

| Series	CCT[1]/CRI	–	Illuminated Length
AFSD58-7RGBW RGBW Dynamic Color: 58LEDs/Ft , 7W/Ft	95+ CRI **27K** RGB + 2700K **30K** RGB + 3000K		**R** Full Reel with 72-inch Power lead 7W/Ft: 16.4Ft Reel

CUSTOM LENGTHS

- Custom Lengths cannot exceed the Maximum Run Length for the specified Wattage; see Max Run Length table on Page 12 for details
- 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: AFSD58-7RGBW30K-S-NT-C188

Series	CCT[1]/CRI	–	Start Termination	–	End Termination	–	Custom Length
AFSD58-7RGBW RGBW Dynamic Color: 58LEDs/Ft , 7W/Ft	95+ CRI **27K** RGB + 2700K **30K** RGB + 3000K		**S**[2] 72-inch Soldered Lead Wires **SXXX**[2] Custom Length Lead Wires		**NT** No Termination **S**[2] 72-inch Soldered Lead Wires **SXXX**[2] Custom Length Lead Wires		**CXXX** Custom Length Desired length is specified in inches i.e. if the desired length is 15 Ft.-8-Inches or 188-inches total, enter C188 AFSD58 Series has a cut increment of 2.46-inches, illuminated length will be rounded down to nearest cut increment

1. Consult factory for additional CCT options; 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
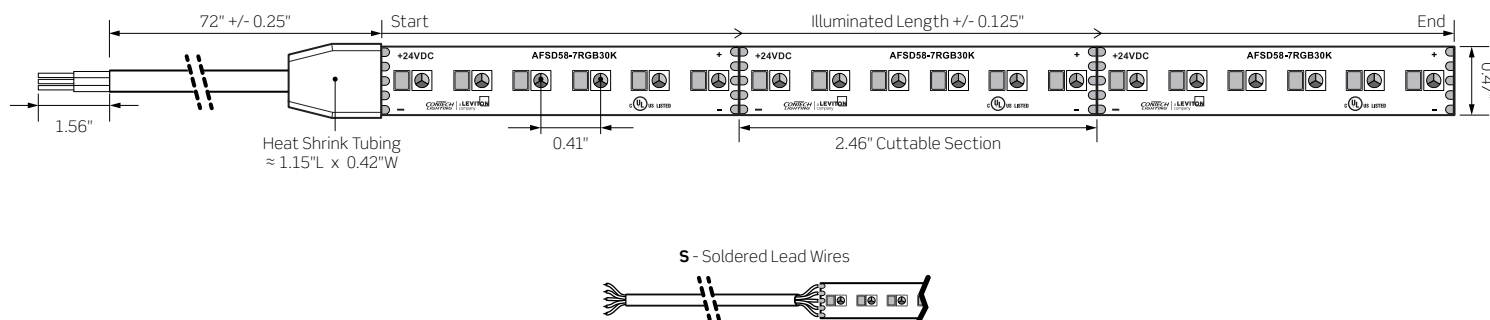
S - Soldered Lead Wires

Specflex | AFSD58 Dry Location Series
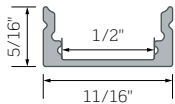**Architectural Strip Lighting** | RGBW, 58 LEDs per foot

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
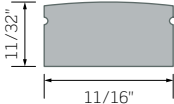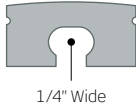

SHALLOW SURFACE MOUNTING CHANNEL
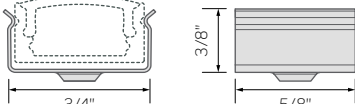

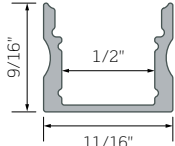**Shallow Surface Mounting Channel** | **Frosted Diffusion Lens** (Shown in Channel) | **Shallow Surface Channel Endcap** | **Shallow Surface Channel Endcap with Slot** | **Shallow Surface Channel Mounting Clips**

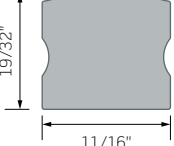| Channel and Lens	Endcaps	Mounting Clips
AFEX1209S72-S 6 Ft. Shallow Surface Mounting Channel, Aluminum	**AFEX1209S-EC** Shallow Surface Channel Solid Endcap, Grey	**AFEX12S-MC4** Four (4) Mounting Clips, Stainless Steel
AFL1272-FR 6 Ft. Shallow Surface Channel Diffusion Lens, Frosted; Slight Pixelation with Diffusion Lens	**AFEX1209S-ECS** Shallow Surface Channel Endcap with Slot, Grey	

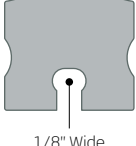## DEEP SURFACE MOUNTING CHANNEL

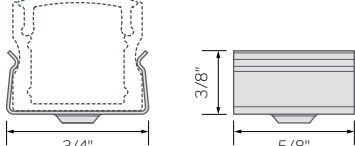**Deep Surface Mounting Channel** | **Frosted Diffusion Lens** (Shown in Channel) | **Deep Surface Channel Endcap** | **Deep Surface Channel Endcap with Slot** | **Deep Surface Channel Mounting Clips**

Channel and Lens	Endcaps	Mounting Clips
AFEX1215S72-S 6 Ft. Deep Surface Mounting Channel, Aluminum	**AFEX1215S-EC** Deep Surface Channel Solid Endcap, Grey	**AFEX12S-MC4** Four (4) Mounting Clips, Stainless Steel
AFL1272-FR 6 Ft. Deep Surface Channel Diffusion Lens, Frosted; No Pixelation with Diffusion Lens	**AFEX1215S-ECS** Deep Surface Channel Endcap with Slot, Grey	

Specflex | AFSD58 Dry Location Series
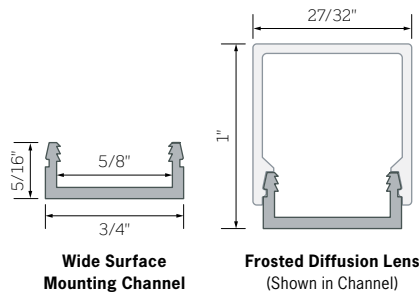**Architectural Strip Lighting** | RGBW, 58 LEDs per foot

24V MOUNTING CHANNELS AND ACCESSORIES

WIDE SURFACE MOUNTING CHANNEL

Wide Surface Mounting Channel

Frosted Diffusion Lens
(Shown in Channel)

Channel and Lens	
AFEX1508S72-S	6 Ft. Wide Surface Mounting Channel, Aluminum
AFL1572-FR	6 Ft. Wide Surface Channel Diffusion Lens, Frosted No Pixelation with Diffusion Lens

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

EXTRA WIDE SURFACE MOUNTING CHANNEL

Extra Wide Surface Mounting Channel

Frosted Diffusion Lens
(Shown in Channel)

Extra Wide Surface Channel Endcap

Extra Wide Surface Channel Endcap with Slot

Extra Wide Surface Channel Mounting Clips

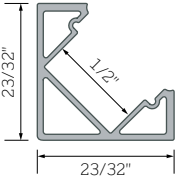| Channel and Lens	Endcaps	Mounting Clips
AFEX2011S72-S 6 Ft. Extra Wide Surface Mounting Channel, Aluminum	**AFEX2011S-EC** Extra Wide Surface Channel Solid Endcap, Grey	**AFEX2011S-MC4** Four (4) Mounting Clips, Stainless Steel
AFL2072-FR 6 Ft. Extra Wide Surface Channel Diffusion Lens, Frosted; Slight Pixelation with Diffusion Lens	**AFEX2011S-ECS** Extra Wide Surface Channel Endcap with Slot, Grey	

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

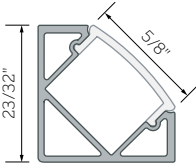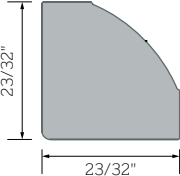## 24V MOUNTING CHANNELS AND ACCESSORIES

45° ANGLED WIDE MOUNTING CHANNEL

45° Angled Wide Mounting Channel

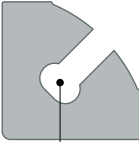**Frosted Diffusion Lens** (Shown in Channel)

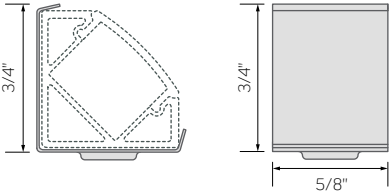**45° Angled Wide Channel Endcap**
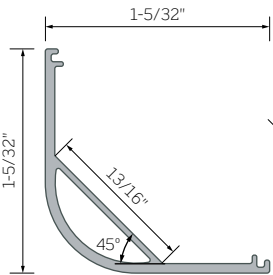
45° Angled Wide Channel Endcap with Slot

45° Angled Wide Channel Mounting Clips

Channel and Lens
AFEX1318A72-S
6 Ft. 45° Angled Wide Mounting Channel, Aluminum
AFL1372-FR
6 Ft. 45° Angled Wide Channel Diffusion Lens, Frosted; No Pixelation with Diffusion Lens

Endcaps
AFEX1318A-EC
45° Angled Wide Channel Solid Endcap, Grey
AFEX1318A-ECS
45° Angled Wide Channel Endcap with Slot, Grey

Mounting Clips
AFEX1318A-MC4
Four (4) Mounting Clips, Stainless Steel

45° ANGLED EXTRA WIDE MOUNTING CHANNEL
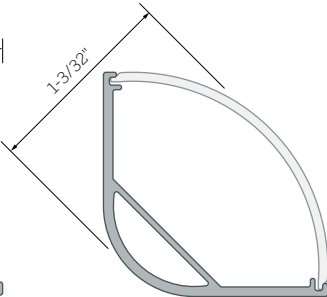
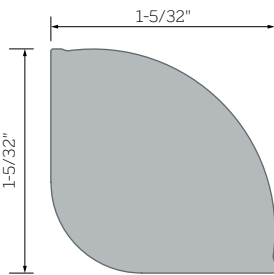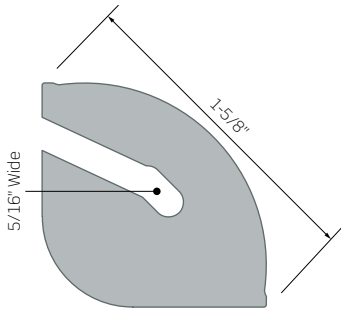**45° Angled Extra Wide Mounting Channel**

Frosted Diffusion Lens (Shown in Channel)

45° Angled Extra Wide Channel Endcap

45° Angled Extra Wide Channel Endcap with Slot

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

Endcaps	
AFEX2030A-EC	45° Angled Extra Wide Channel Solid Endcap, Grey
AFEX2030A-ECS	45° Angled Extra Wide Channel Endcap with Slot, Grey

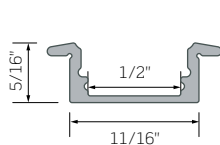*Mounting Clips not available; use 3M™ Double-Sided Adhesive or Screw and Wall Anchor*

LEVITON | **ConTech**

Specflex | AFSD58 Dry Location Series
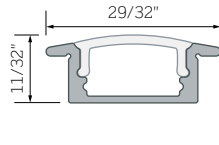**Architectural Strip Lighting** | RGBW, 58 LEDs per foot

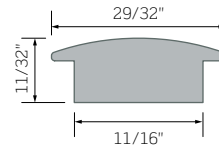## 24V MOUNTING CHANNELS AND ACCESSORIES

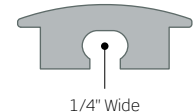### SHALLOW RECESSED MOUNTING CHANNEL

Shallow Recessed Mounting Channel

Frosted Diffusion Lens (Shown in Channel)

Shallow Recessed Channel Endcap

Shallow Recessed Channel Endcap with Slot

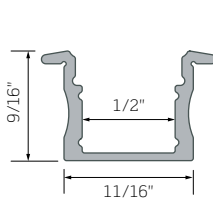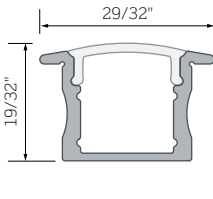| Channel and Lens	
AFEX1209R72-S	6 Ft. Shallow Recessed Mounting Channel, Aluminum
AFL1272-FR	6 Ft. Shallow Recessed Channel Diffusion Lens, Frosted; Slight Pixelation with Diffusion Lens

Endcaps	
AFEX1209R-EC	Shallow Recessed Channel Solid Endcap, Grey
AFEX1209R-ECS	Shallow Recessed Channel Endcap with Slot, Grey

Mounting Clips not available; use 3M™ Double-Sided Adhesive or Screw and Wall Anchor
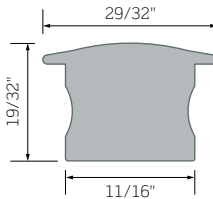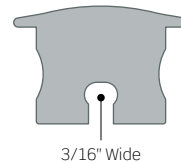
DEEP RECESSED MOUNTING CHANNEL
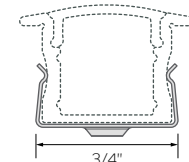
Deep Recessed Mounting Channel

Frosted Diffusion Lens (Shown in Channel)

Deep Recessed Channel Endcap

Deep Recessed Channel Endcap with Slot

Deep Recessed Channel Mounting Clips

Channel and Lens	
AFEX1215R72-S	6 Ft. Deep Recessed Mounting Channel, Aluminum
AFL1272-FR	6 Ft. Deep Recessed Channel Diffusion Lens, Frosted; No Pixelation with Diffusion Lens

Endcaps	
AFEX1215R-EC	Deep Recessed Channel Solid Endcap, Grey
AFEX1215R-ECS	Deep Recessed Channel Endcap with Slot, Grey

Mounting Clips	
AFEX1215R-MC4	Four (4) Mounting Clips, Stainless Steel

EXTRA WIDE RECESSED MOUNTING CHANNEL
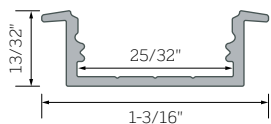
Extra Wide Recessed Mounting Channel
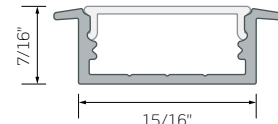
Frosted Diffusion Lens (Shown in Channel)
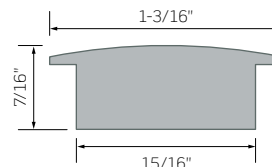
Extra Wide Recessed Channel Endcap
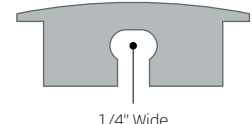
Extra Wide Recessed Channel Endcap with Slot

Channel and Lens	
AFEX2011R72-S	6 Ft. Extra Wide Recessed Mounting Channel, Aluminum
AFL2072-FR	6 Ft. Extra Wide Recessed Channel Diffusion Lens, Frosted; Slight Pixelation with Diffusion Lens

Endcaps	
AFEX2011R-EC	Extra Wide Recessed Channel Solid Endcap, Grey
AFEX2011R-ECS	Extra Wide Recessed Channel Endcap with Slot, Grey

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

LEVITON® | ConTech

Specflex | AFSD58 Dry Location Series

Architectural Strip Lighting | RGBW, 58 LEDs per foot

24V ACCESSORIES

Plenum Rated Cable

Five Conductor Plenum Rated Cable

Model Number			
CMP-5C-10	10Ft	**CMP-5C-30**	30Ft
CMP-5C-15	15Ft	**CMP-5C-50**	50Ft
CMP-5C-20	20Ft	**CMP-5C-100**	100Ft

24V CONTROLLERS

TLPRTW

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

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

TLPRGBWRF

RGB/RGBW 28-Key Remote Controller
- 8-Key RF Remote for color, speed, and brightness control
- Seven (7) programmable scenes
- 20AMP Max
- Use with Non-dimming LED Drivers

Model Number
TLPRGBWRF
4-Channel Power Repeater
(6-7/8" L x 1-3/4" W x 1-3/16" 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)

TLPRGBWTC

RGB/RGBW Touch Controller
- Dial Touch Controller, select color by using color wheel
- Speed and brightness control
- Pre-selected modes
- 20AMP Max
- Use with Non-dimming LED Drivers

Model Number
TLPRGBWTC
RGB/RGBW Touch Controller
(6-7/8" L x 1-3/4" W x 1-3/16" D)

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

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
TLP24VHW20
20W (5-3/4" L x 1-1/2" W x 1-1/4" H)
TLP24VHW60
60W (6-1/3" L x 1-3/4" W x 1-1/4" H)
TLP24VHW96
96W (6-1/8" L x 2-3/8" W x 1-1/2" H)

TLP24VHW*MV-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
- Non-dimming LED Driver
- 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
TLP24VHW60MV-ENC
60W, Non-dimming Driver
TLP24VHW96MV-ENC
96W, Non-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
TLP24VP36
36W (4-1/4" L x 2" W x 1-3/8" H)
TLP24VP60
60W (4-1/2" L x 2" W x 1-3/8" H)
TLP24VP96
96W (6-1/8" L x 2-3/8" W x 1-1/2" H)

LEVITON | ConTech

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

PRODUCT SPECIFICATIONS

CONSTRUCTION
- RGBW Flex Strip: 58 LEDs per foot
- Dedicated RGB and White LEDs
- 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
- Individual RGB (Red, Green, and Blue) diodes in each LED plus one (1) White LED in 2700K or 3000K
- **Color Wavelength Ranges:**
  Red: 620-625nm
  Green: 525-535nm
  Blue: 465-470nm
- **White LED Color Temperature:**
  2700K, 3000K
  Consult factory for additional CCT options
- **White LED CRI:**
  95+, R9 >84
- **White LED Color Consistency:**
  <2 SDCM

ELECTRICAL
- **Input Voltage:**
  24VDC
- **Average Power Consumption/Wattage:**
  7W per Foot
- **Ambient Operating Temp:**
  –25° to 40°C (–13° to 104°F)
- System designed and rated for 50,000 hours at 70% lumen maintenance
- Non-Dimming Drivers and Controllers ordered separately

INSTALLATION
- Includes 3M™ 300LSE Adhesive Backing for strong adhesion to channels and most smooth surfaces
- 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
- IP20 Rated, suitable for Dry Locations
- Wet Location options available; see AFSD58 Series Wet Location Specification Sheet
- 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:
☐ LBC Red List Free
☐ LBC Red List Approved
■ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

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

LEVITON® | ConTech

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

PHOTOMETRICS

AFSD58-7RGBW30K ALL ON: 24V Dry Location SpecFlex RGBW Strip Light

7W/Ft, 58LEDs/Ft, 1-Foot Strip, 95+ CRI

Fixture Delivered Lumens: 373.9
Total Watts@24V: 7.0
Lumens Per Watt: 53.4
Center Beam Candle Power: 119
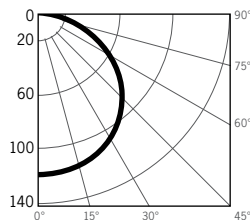Beam Distribution: 122°
Spacing Criterion: 1.31

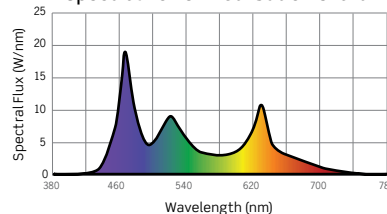LM-63 Test No. G22042801
LM-79 Test No. S22042701

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
2 FT	29.9	7.3
4 FT	7.5	14.5
6 FT	3.3	21.8
8 FT	1.9	29.0
10 FT	1.2	36.3
12 FT	0.8	43.5

Candela Curve

Spectral Power Distribution Chart[1]

1. Colors Present within the Light Source

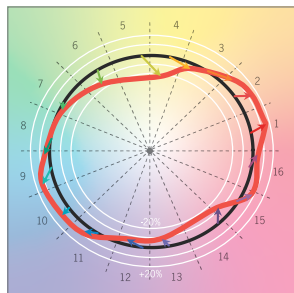| CCT MULTIPLIERS	
2700K	3000K
0.98	N/A

AFSD58-7RGBW30K ALL ON TM-30 DATA

ANSI/IES TM-30-18 Color Rendition Report Test No. S22042701
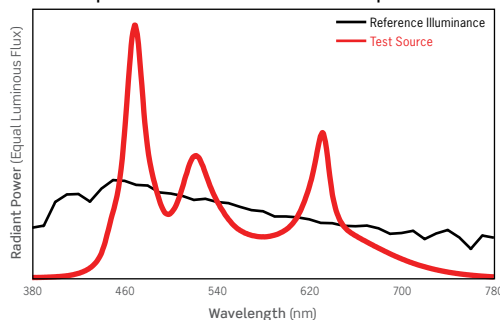
Colors are for visual orientation purposes only

R_f	71
R_g	97
CCT(K)	7785K
D_{uv}	0.0063
u^I	0.1896
v^I	0.4589

Color Vector Graphic

Spectral Power Distribution Comparison

Percentage Shift by Hue
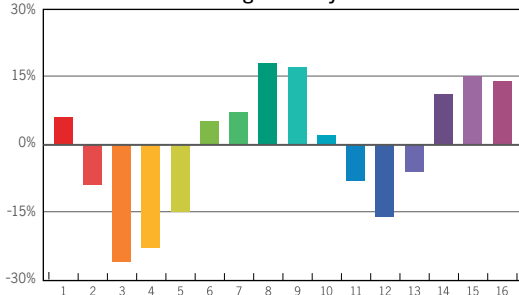
R_f by Hue
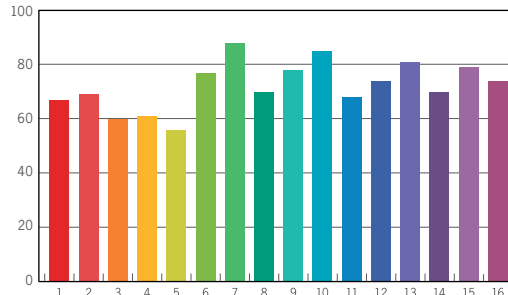
HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	6%	-9%	-26%	-23%	-15%	5%	7%	18%	17%	2%	-8%	-16%	-6%	11%	15%	14%
R_f VALUE	67	69	60	61	56	77	88	70	78	82	68	74	81	70	79	74

LEVITON® | ConTech

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

PHOTOMETRICS

AFSD58-7RGBW RED ONLY: 24V Dry Location SpecFlex RGBW Strip Light

7W/Ft, 58LEDs/Ft, 1-Foot Strip
LM-63 Test No. G22042803; LM-79 Test No. S22042703

Fixture Delivered Lumens: 32.0
Total Watts@24V: 1.5
Lumens Per Watt: 21.3
Center Beam Candle Power: 10
Beam Distribution: 124°
Spacing Criterion: 1.31

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
2 FT	2.5	7.5
4 FT	0.6	15.0
6 FT	0.3	22.5
8 FT	0.2	30.0
10 FT	0.1	37.5
12 FT	0.1	45.0

Candela Curve

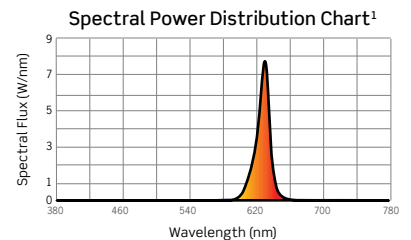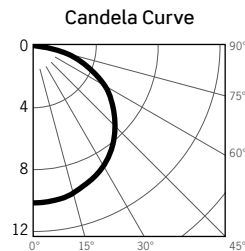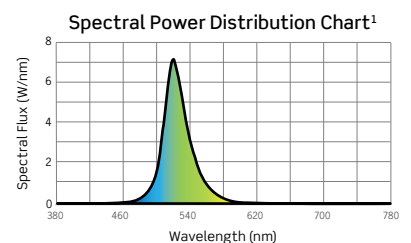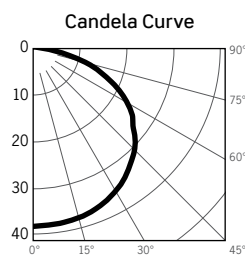**Spectral Power Distribution Chart**[1]

AFSD58-7RGBW GREEN ONLY: 24V Dry Location SpecFlex RGBW Strip Light

7W/Ft, 58LEDs/Ft, 1-Foot Strip
LM-63 Test No. G22042804; LM-79 Test No. S22042704

Fixture Delivered Lumens: 135.4
Total Watts@24V: 1.7
Lumens Per Watt: 79.6
Center Beam Candle Power: 38
Beam Distribution: 130°
Spacing Criterion: 1.37

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
2 FT	9.6	8.5
4 FT	2.4	17.1
6 FT	1.1	25.6
8 FT	0.6	34.1
10 FT	0.4	42.7
12 FT	0.3	51.2

Candela Curve

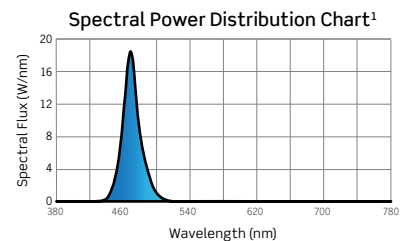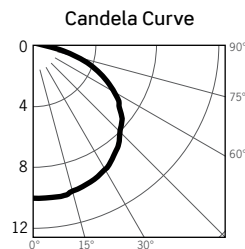**Spectral Power Distribution Chart**[1]

AFSD58-7RGBW BLUE ONLY: 24V Wet Location SpecFlex RGBW Strip Light

7W/Ft, 58LEDs/Ft, 1-Foot Strip
LM-63 Test No. G22042805; LM-79 Test No. S22042705

Fixture Delivered Lumens: 35.1
Total Watts@24V: 1.7
Lumens Per Watt: 20.7
Center Beam Candle Power: 10
Beam Distribution: 130°
Spacing Criterion: 1.38

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
2 FT	2.5	8.6
4 FT	0.6	17.3
6 FT	0.3	25.9
8 FT	0.2	34.5
10 FT	0.1	43.2
12 FT	0.1	51.8

Candela Curve

Spectral Power Distribution Chart[1]

AFSD58-7RGBW WHITE ONLY: 24V Wet Location SpecFlex RGBW Strip Light

7W/Ft, 58LEDs/Ft, 1-Foot Strip, 95+ CRI
LM-63 Test No. G22042802; LM-79 Test No. S22042702

Fixture Delivered Lumens: 175.5
Total Watts@24V: 1.9
Lumens Per Watt: 92.4
Center Beam Candle Power: 62
Beam Distribution: 114°
Spacing Criterion: 1.27

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
2 FT	15.6	6.2
4 FT	3.9	12.4
6 FT	1.7	18.6
8 FT	1.0	24.8
10 FT	0.6	31.0
12 FT	0.4	37.2

Candela Curve

Spectral Power Distribution Chart[1]
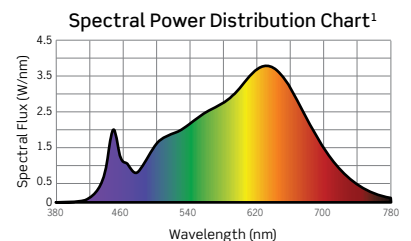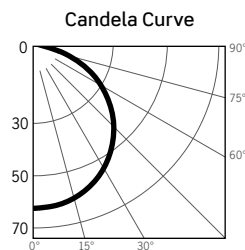
1. Colors Present within the Light Source

Specflex | AFSD58 Dry Location Series
Architectural Strip Lighting | RGBW, 58 LEDs per foot

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
	Illumatech	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	IllumaTech	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	AFSD58-7RGBW
Wattage	**Max Run Length**
20W	2 FT
36W	4 FT
60W	8 FT
96W	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.