

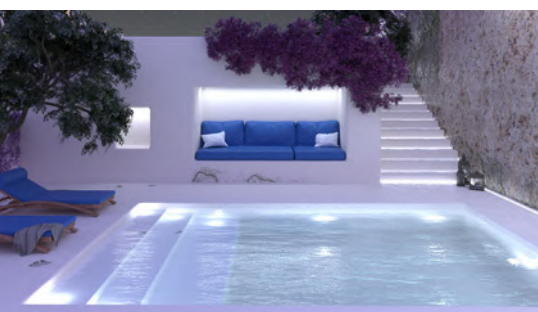
Outdoor IP65

UltraBright™ **Accent**
Dynamic Tunable White



Product Data Sheet





DYNAMIC TUNABLE WHITE

Description

Our Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series is the perfect choice for those who seek the full potential of white tunable lighting. Choose from countless color temperatures between a wide range from 2700K to 6200K and enjoy full dimming capabilities to switch the ambience of your space within seconds. With near-perfect color rendering and a long run length, these sophisticated lights are made to satisfy the desire for beauty and functionality. These refined tunable strips are also perfect for human-centric lighting, which can help realign your circadian rhythm. Transform your most treasured spaces into safe havens by adjusting color temperatures to fit your schedule or to match your mood. Whether you want to revitalize bedrooms, beautify businesses, or get deeper sleep, the Accent Dynamic Series is made to improve every corner of your life. The IP65 silicone cover protection not only protects the strip light from dust, dirt and water, but the cover also makes the strip extremely easy to clean.

15 Year
Warranty



Product Features

CCT	2700K-6200K
CRI	High CRI of 96+
Voltage	24V DC Input
Lumens	Up to 266 lm/ft (872 lm/m)
Efficacy	Up to 84 lm/W
LEDs/ft	73 LEDs/ft (240/meter)
Beam Angle	120° Beam Angle
Ambient Temp	-4°F to +104°F (-20°C to 40°C)
LED Pitch	3/16" (4 mm)
Strip Width	Only 1/2" (12 mm)
Cutting Points	Every 2" (50 mm)
PCB	4 oz copper
Max Run Length in Series	39 ft (12 m)
LED Size	2216
Adhesive Type	3M VHB 9731 Tape (IP65)
Dimmable	Yes
Pool Size	16.4 ft (5 m)



Product Specifications

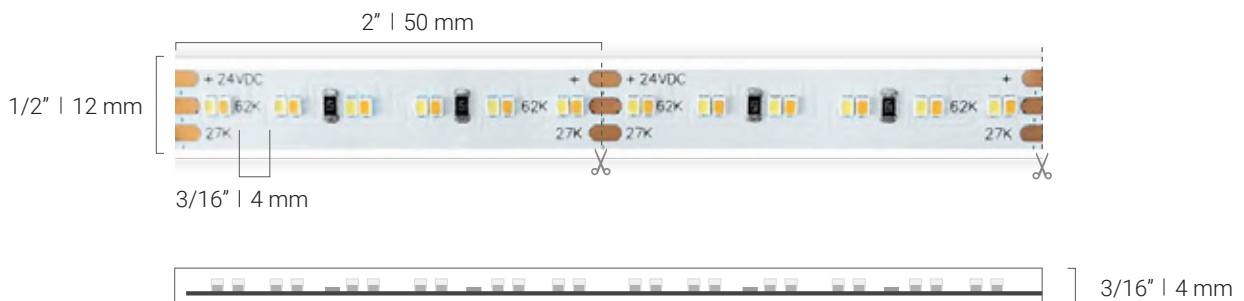
Product SKU	Color* CCT	Watts/ft (Meter)	Lumen/ft (Meter)	Luminous Efficacy (Lumens/Watt)	CRI	Gamut Score (Rg)	Relative Fidelity Score (Rf)	TLCI (Qa)	CQS
IP65-UB-AT1-DYN276295C	2700K-6200K	3.5 W/ft (11.5 W/m)	266 lm/ft (872 lm/m)	75	96	104	96	98	98
	2700K	1.7 W/ft (5.7 W/m)	122 lm/ft (401 lm/m)	68	98	102	97	99	98
	6200K	1.7 W/ft (5.7 W/m)	149 lm/ft (488 lm/m)	84	99	101	96	99	98

*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.

Ordering Code

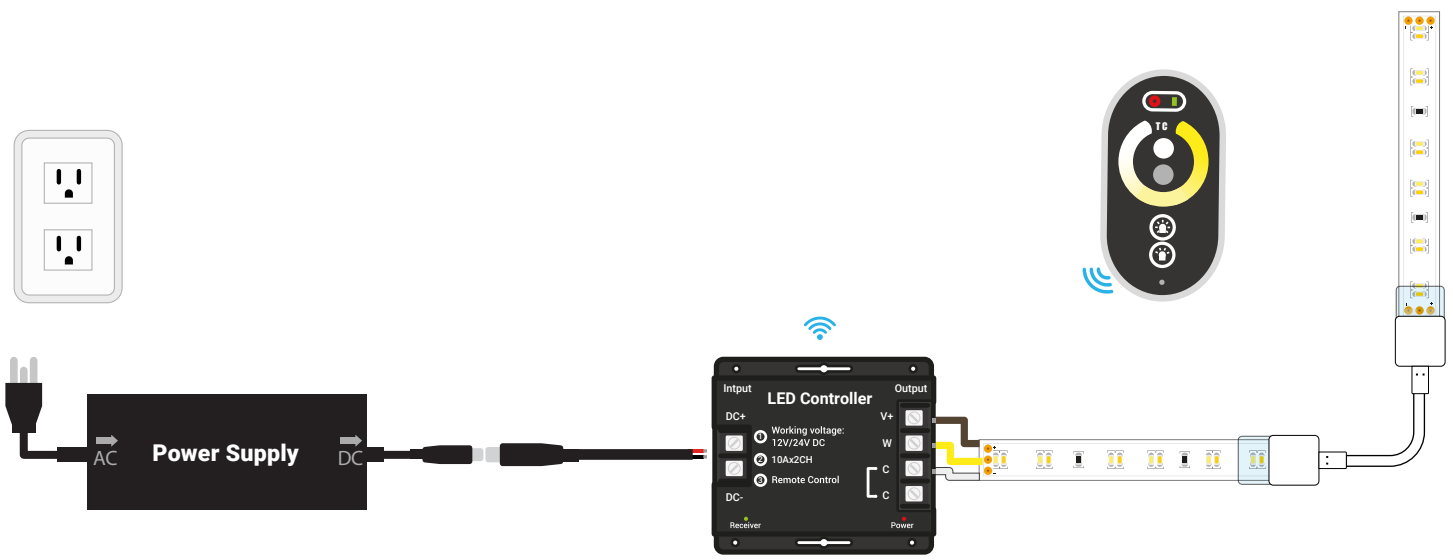
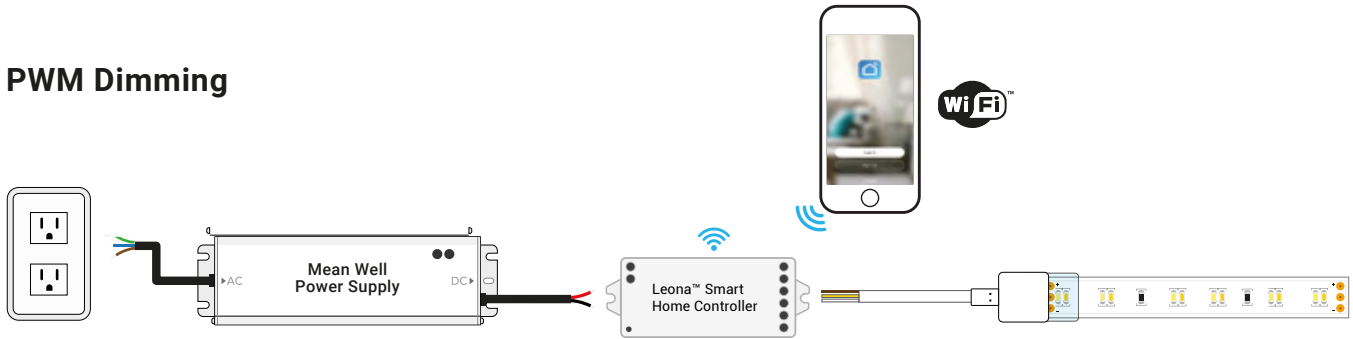
IP Protection	Brand	Series	CCT	Voltage	Length
<input type="text" value="IP65 -"/>	<input type="text" value="UB -"/>	<input type="text" value="AT 1-"/>	<input type="text" value="DYN276295C -"/>	<input type="text" value="24V -"/>	<input type="text" value="16FT - 16ft Reel"/>
Weatherproof	UltraBright	Accent Series	2700K-6200K/95+CRI		

Dimensions



Dimming Options

PWM Dimming



Included Accessories

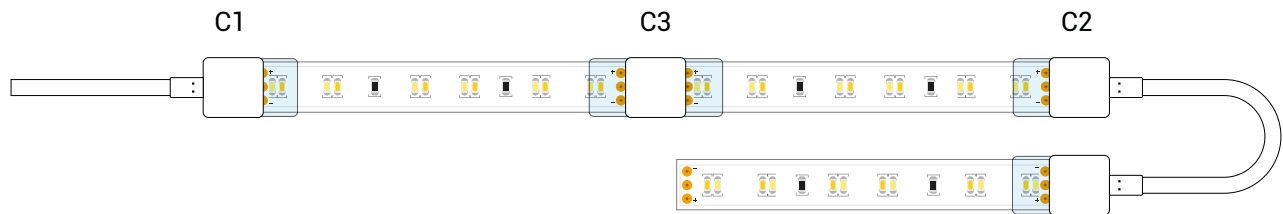
<p>x1 x1</p>	<p>x20</p>	<p>x2</p>	<p>x2</p>
<ul style="list-style-type: none"> • Weatherproof C1 Connector (Female) • Weatherproof C1 Connector (Male) 	<ul style="list-style-type: none"> • Mounting Bracket Width - 6 mm Length - 28 mm 	<ul style="list-style-type: none"> • End Cap Width - 14 mm Height - 6 mm 	<ul style="list-style-type: none"> • End Cap (with 3 holes for lead wires) Width - 14 mm Height - 6 mm

Strip Light Connectors

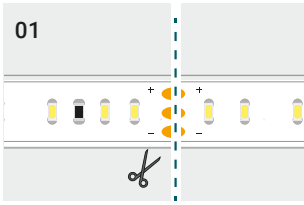
SKU	Description	Wire Gauge	Amperage** Limit	Diagram
IP65-GRIP-DYN-C1-10-40	Outdoor IP65 Grip Connector with 40" wire	22 AWG	5 Amps	
IP65-GRIP-DYN-C2-10-08	Outdoor IP65 Grip Jumper Connector with 8" wire	22 AWG		
IP65-GRIP-DYN-C3-10-0	Outdoor IP65 Grip Jumper Connector			

* Calculate max length of LED strip to follow the solderless connector based on an amperage draw of 0.18 A/ft (0.6 A/m) at 24 volts.

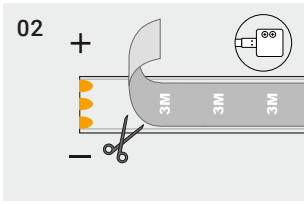
** Be sure no more than 5 amps is drawn after any solderless connector.



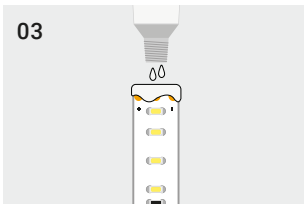
Solderless Connection Guide



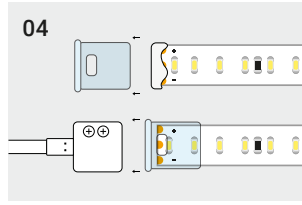
01 Cut the LED strip light and the silicone sleeve on the cutting point you want to install the connector. Keep in mind that for the Outdoor (IP65) Accent™ Tunable White strip, you will need to cut both solder pads so that the piece to be attached to the connector has more surface area to insert into the connector head.



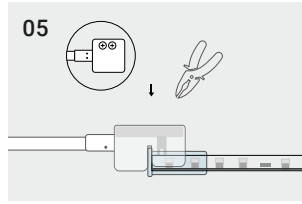
02 Check the polarity and remove 2" of the adhesive tape and its backer from the back of the LED Strip light.



03 Apply Silicone sealant liberally inside of the silicone sleeve until ensuring it is completely sealed.



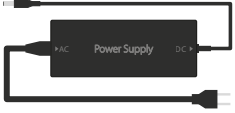


04 Slide the transparent case of your Outdoor IP65 Grip connector into the sleeve, until making sure that the strip is making proper contact.



05 Grab the white plastic part of your connector and push the metal contacts through the window of the transparent case. Adjust it with pliers until you hear a click, and then let the sealant cure according to its own instructions.




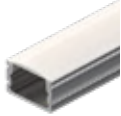
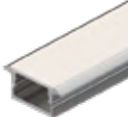

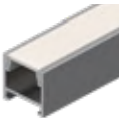

Compatible Drivers

Power Supply	LED Strip Length	Dimensions	Product SKU	Diagram
Plug-In Power Supply	1-5 ft	L: 6 3/4" W: 2 2/5" H: 1 1/2"	24V-WMPS-1	
	6-13 ft	L: 6 3/4" W: 2 2/5" H: 1 1/2"	24V-DPS-2.5	
	14-21 ft	L: 8 5/8" W: 2 5/8" H: 1 1/2"	24V-DPS-4	
	22-27 ft	L: 8 5/8" W: 2 5/8" H: 1 1/2"	24V-DPS-5	
Mean Well™ HLG	1-10 ft	L: 6 3/4" W: 2 1/2" H: 1 1/2"	HLG-40H-24A	
	11-15 ft	L: 6 3/4" W: 2 1/2" H: 1 1/2"	HLG-60H-24A	
	16-25 ft	L: 8 5/8" W: 2 11/16" H: 1 1/2"	HLG-100H-24A	
	26-30 ft	L: 8 5/8" W: 2 11/16" H: 1 1/2"	HLG-120H-24A	
	31-47 ft	L: 9" W: 2 11/16" H: 1 1/2"	HLG-185H-24A	
	48-61 ft	L: 9 5/8" W: 2 11/16" H: 1 1/2"	HLG-240H-24A	
	62-82 ft	L: 9 7/8" W: 3 1/2" H: 1 3/4"	HLG-320H-24A	
	83-154 ft	L: 11" W: 5 5/8" H: 1 7/8"	HLG-600H-24A	
Mean Well™ LPV	1-5 ft	L: 4 5/8" W: 1 3/8" H: 1"	LPV-20-24	
	6-9 ft	L: 5 7/8" W: 1 9/16" H: 1 1/8"	LPV-35-24	
	10-15 ft	L: 5 7/8" W: 1 9/16" H: 1 1/8"	LPV-60-24	








Compatible Aluminum Extrusions

Flexfire LEDs Mounting Channel Kits

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Laika™	Surface Mount	2 Open End Caps	Clear Cover, 1 m (3' 3/8")	SKU: LAI-CH-A-CVR-C-1M	
		2 Closed End Caps	Frosted Cover, 1 m (3' 3/8")	SKU: LAI-CH-A-CVR-F-1M	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.					
Gemini™	Surface Mount	2 Open End Caps	Clear Cover, 1 m (3' 3/8")	SKU: GEM-CH-A-CVR-C-1M	
		2 Closed End Caps	Frosted Cover, 1 m (3' 3/8")	SKU: GEM-CH-A-CVR-F-1M	
		4 Metal Mounting Clips	Matte Cover 1, m (3' 3/8")	SKU: GEM-CH-A-CVR-M-1M	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.					
Cassini™	Recessed	2 Open End Caps	Clear Cover, 1 m (3' 3/8")	SKU: CAS-CH-A-CVR-C-1M	
		2 Closed End Caps	Frosted Cover, 1 m (3' 3/8")	SKU: CAS-CH-A-CVR-F-1M	
		4 Metal Mounting Clips	Matte Cover, 1 m (3' 3/8")	SKU: CAS-CH-A-CVR-M-1M	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.					
Nova™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Round Cover, 1 m (3' 3/8")	SKU: NOV-CH-A-CVR-C-RD-1M	
			Clear Square, 1 m (3' 3/8")	SKU: NOV-CH-A-CVR-C-SQ-1M	
			Matte Round Cover, 1 m (3' 3/8")	SKU: NOV-CH-A-CVR-M-RD-1M	
			Matte Square Cover, 1 m (3' 3/8")	SKU: NOV-CH-A-CVR-M-SQ-1M	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.					
Kepler™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8")	SKU: KEP-CH-A-CVR-C-1M	
			Frosted Cover, 1 m (3' 3/8")	SKU: KEP-CH-A-CVR-F-1M	
			Matte Cover, 1 m (3' 3/8")	SKU: KEP-CH-A-CVR-M-1M	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.					
Ion™	Surface Mount	–	–	SKU: ION-CH-A-1M	

Compatible Aluminum Extrusions

Name	Covers	End Caps	Mounting Accessories	Mockup
KLUS TAMI Anodized Extrusion with Translucent Cover SKU: KL-B5390ANODA-1m		<ul style="list-style-type: none"> • KLUS ECO TAMI SKU: KL-20051 	<ul style="list-style-type: none"> • KLUS Stainless Steel Mounting Bracket SKU: KL-24190 	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.				
KLUS GIZA Anodized Extrusion SKU: KL-B5556ANODA-1m	<ul style="list-style-type: none"> • KLUS - HS 22 Clear Cover SKU: KL-17022-1m • KLUS LIGER 22 Frosted Cover SKU: KL-17032-1m 	<ul style="list-style-type: none"> • KLUS GIZA End Cap SKU: KL-24007 	<ul style="list-style-type: none"> • KLUS GP Surface Spring SKU: KL-00293 • KLUS Mounting Bracket SKU: KL-24143 	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.				
KLUS LIPOD Anodized Extrusion SKU: KL-B5554ANODA-1m	<ul style="list-style-type: none"> • KLUS LIGER 22 Frosted Cover SKU: KL-17032-1m 	<ul style="list-style-type: none"> • KLUS LIPOD-MET SKU: KL-24051 	<ul style="list-style-type: none"> • KLUS Mounting Bracket SKU: KL-24143 	
KLUS KOPRO Anodized Extrusion SKU: KL-B6367ANODA-1m	<ul style="list-style-type: none"> • KLUS KOPRO L Cover SKU: KL-17092-1m 	<ul style="list-style-type: none"> • KLUS KOPRO L SKU: KL-24116 	<ul style="list-style-type: none"> • KLUS GP Surface Spring SKU: KL-00293 	
KLUS SILER Anodized Extrusion SKU: KL-B9325ANODA-1m	<ul style="list-style-type: none"> • KLUS SILER Frosted Cover SKU: KL-17039-1m 	<ul style="list-style-type: none"> • KLUS SILER SKU: KL-24236 	<ul style="list-style-type: none"> • KLUS 45-STN Mounting Bracket SKU: KL-24144 	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Accent Dynamic Tunable White Series LED strip without connectors.				





Safety And Disclosures

1. Installation must be in accordance with local and national electrical code regulations.
2. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.
3. Only install with a Class 2 DC Constant Voltage LED driver to meet UL requirements.
4. Do not install in environment where excessive heat may exist.
5. LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. Do not install indoor LED tape light products in outdoor / wet location environments. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
7. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
8. Make sure the appropriate gauge wire is installed between driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires, and cause fire.
9. Do not modify product beyond instructions or warranty will be void.
10. We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.



Warranty Information

Limited Warranty

This product has a 15 year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at <https://www.flexfireleds.com/warranties/> within the Policies section. For warranty related questions please contact product support team at (support@flexfireleds.com).

Consumer's Acknowledgment

Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser.

This limited warranty does not include product failures that are the result of:
 Not using a voltage regulated power supply to connect the LED product or controls;
 Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as waterproof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.



Contact Information



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FLEXFIRELEDs

www.flexfireleds.com