ClickBright™
Tunable White
LED Light Bar

Product Data Sheet

3000K - 5000K

5 Year
Warranty

CE · RoHS COMPLIANT · ETL LISTED
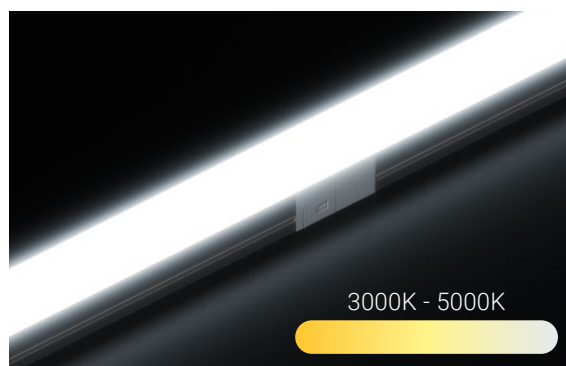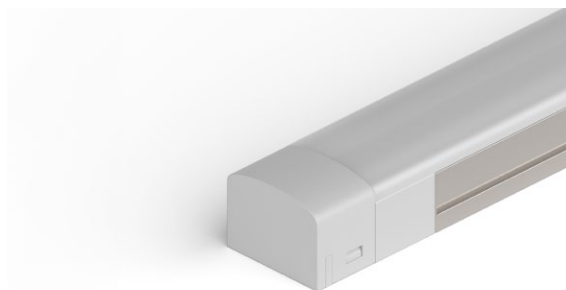
PRECAUTION:
Please read all instructions carefully before installation.

Our ClickBright™ Tunable White LED Light Bars deliver unmatched versatility for mid-output task or accent lighting projects. These bars provide smooth transitions between whites using an in-app slider or preset CCT steps with a sensor. With a built-in cover that prevents light spots and a linkable design of up to 16ft, they are the ultimate under-cabinet, closet, or shelving solution.

Product Features

CCT	3000K-5000K
CRI	93
R9 and R13 Values	Up to 74 (R9) and 99 (R13)
Voltage	24V DC Input
Brightness	Up to 329 lm per 10" fixture
	Up to 534 lm per 20" fixture
Efficacy	Up to 107 lm/W
Beam Angle	120° Beam Angle
Light Bar Width	21/32" (16.5 mm)
Max Run Length in Series	16 ft (5 m)
LED Size	2835
Ambient Temperature	32ºF to 104ºF (0ºC to 40ºC)
Operating Temperature	32ºF to 122ºF (0ºC to 50ºC)
Dimmable	Yes
IP Rating	IP20

Ordering Code

Brand		CCT		Voltage		Length
LB	-	**TW3050K**	-	**24V**	-	
UltraBright™		3000K-5000K				**10IN** - 10.16" bar
						20IN - 19.61" bar

Example: LB-TW3050K-24V-10IN

Dimensions

Top profile:

19.61" | 498 mm

10.16" | 258 mm

Side profile:

0.49" | 12.5 mm

0.65" | 16.5 mm
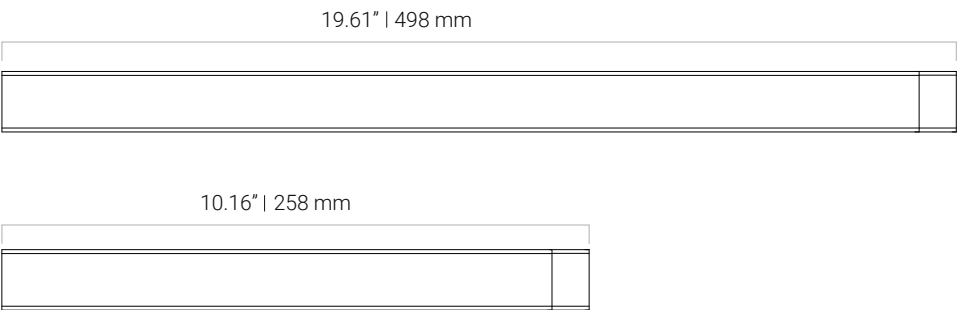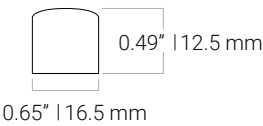
Included Accessories:

X2 Mounting Brackets

X2 Mounting Screws

Product Specifications

Product SKU	Length	Color* (CCT)	Watts/Fixture	Lumens/Fixture	Luminous Efficacy (Lumens / Watt)	CRI	Gamut Score Rg	Relative Fidelity Score (RF)	TLCI
LB-TW3050K	10 in	3000K	3.5W	270 lm	86 lm/W	93	99	89	92
		4000K	3.5W	313 lm	107 lm/W	94	98	87	93
		5000K	3.5W	329 lm	94 lm/W	91	94	82	90
	20 in	3000K	6.5W	423 lm	83 lm/W	93	99	89	93
		4000K	6.5W	487 lm	102 lm/W	94	97	87	93
		5000K	6.5W	534 lm	91 lm/W	91	94	82	90

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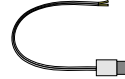
Complete Your Setup

☑ Drivers   ☑ Controllers & Dimmers   ☑ Accessories

Compatible Drivers (24V)

Non-dimmable					
Power Supply	**Diagram**	**Total Length**	**Product SKU**	**Watts**	**Class 2**
Plug-In Power Supply Plug-and-Play Power Supply		1 - 4 ft	24V-WMPS2-1	24 W	X
		5 - 19 ft	24V-DPS2-4	96 W	X
Mean Well™ HLG Hardwired Power Supply		1 - 13 ft	HLG-60H-24A	60 W	X
		13 - 21 ft	HLG-100H-24A	96 W	X
		22 - 41 ft	HLG-185H-24A	185 W	
		42 - 72 ft	HLG-320H-24A	320 W	
		73 - 135 ft	HLG-600H-24A	600 W	
Mean Well™ LPV Hardwired Power Supply		1 - 12 ft	LPV-60-24	60W	X

| Dimmable					
Power Supply	**Diagram**	**Total Length**	**Product SKU**	**Watts**	**Class 2**
Zurik® EMLV Hardwired Power Supply		1 - 6 ft	ZRK-EMLV2-30W-24VDC	30W	X
		7 - 13 ft	ZRK-EMLV2-60W-24VDC	60W	X
Zurik® Universal Hardwired Power Supply		1 - 6 ft	ZRK-UNV-30W-24VDC	30 W	X
		7 - 13 ft	ZRK-UNV-60W-24VDC	60 W	X
		14 - 21 ft	ZRK-UNV-96W-24VDC	96 W	X
		22 - 27 ft	ZRK-UNV-120W-24VDC	120 W	
		28 - 45 ft	ZRK-UNV-200W-24VDC	200 W	
		46 - 67 ft	ZRK-UNV-300W-24VDC	300 W	
		1 - 42 ft (up to 21 ft/output)	ZRK-UNV-C192W-24VDC	192 W	X
		43 - 84 ft (up to 21 ft/output)	ZRK-UNV-C384W-24VDC	384 W	X
Lutron® Hi-Lume™ Premier Hardwired Power Supply		1 - 21 ft	L3D0-96W24V-U	96W	X
		Dimming Range: 0.1-100%			

Compatible Controllers & Dimmers

| Handheld Remotes | DMX Controls | Wall Dimmers | Smart Home Controllers |
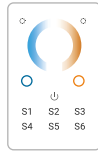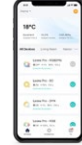
Compatible Connectors & Accessories

Product SKU	Diagram	Description	Wire Gauge
LB-CS-40IN		DC power connector with sensor, 40 inches.	18 AWG
LB-C-40IN		Hardwire power connector with bare lead wires, 40 inches.	18 AWG
LB-J-40IN		Jumper connector for gaps in the setup, 40 inches.	18 AWG
LB-CRN-H		Adjustable horizontal corner connector for 80-280 degree turns.	-
LB-CRN-V		Vertical corner connector for 90 degree turns.	-
LB-MB		45 degree angle mounting brackets with screws, set of 2.	-

*The power connector with bare wire leads has 3 wires.
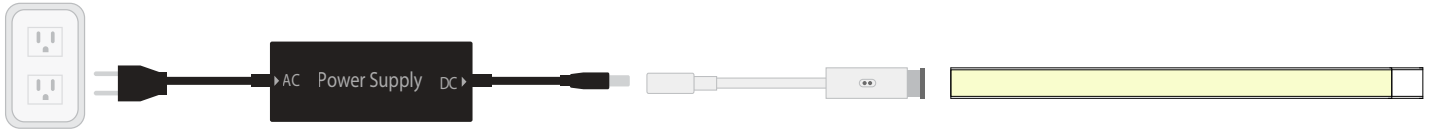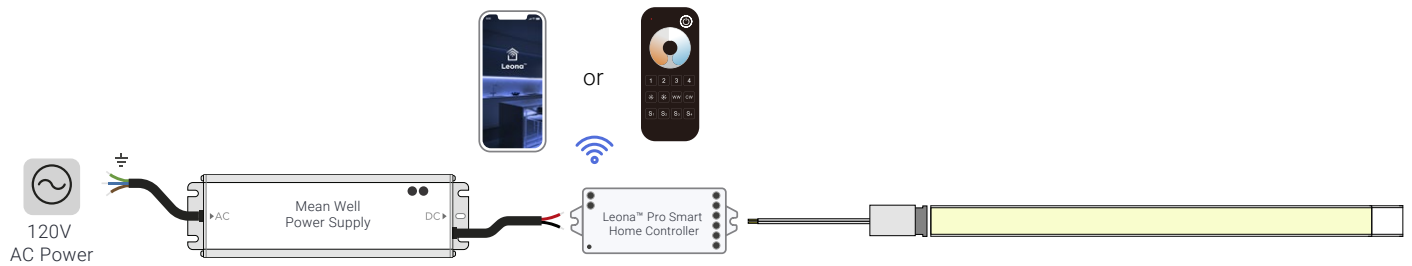V+: Wire with writing
WW (-): Wire with dashes
CW (-): Solid white wire

Wiring Diagrams

DC Power Connector with Sensor

Power Connector with Bare Wire Leads

Application Examples

Safety And Disclosures

01. Installation must be in accordance with local and national electrical code regulations. To ensure safety and correct installation, our lighting products are intended to be installed by a qualified, licensed electrician.

02. Do not install in an environment where excessive heat may exist.

03. Do not bend, step on, or subject to pressure or flexing. Do not mount on uneven surfaces.

04. Do not cover the light or allow the light to be in contact with materials that could pose a fire hazard.

05. Suitable for indoor use, dry locations only.
Each maximum run requires a dedicated power feed from the driver.

06. Do not extend beyond the recommended maximum run length.

07. Use a soft, dry cloth for cleaning.

08. Please use the specific connectors and accessories for this product.

09. Do not modify the 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 5 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 the 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.

Toll Free Number:
1-844-353-9347

Local Number:
(925) 273-9080

info@flexfireleds.com

FLEXFIRELEDs

www.flexfireleds.com