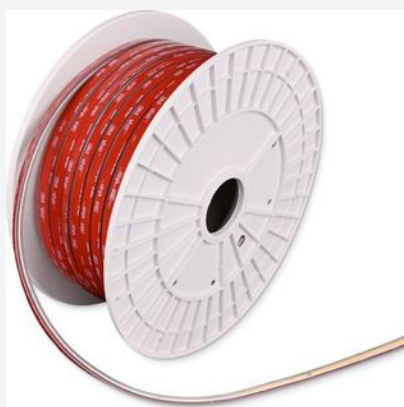


2026 CATALOG

LED Strips

22 products



Updated October 15, 2026

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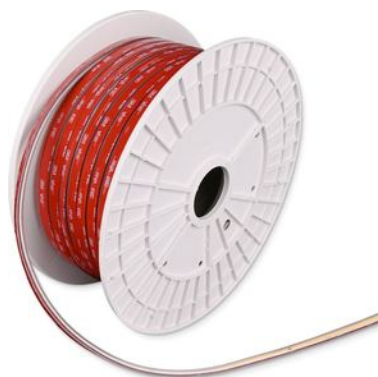
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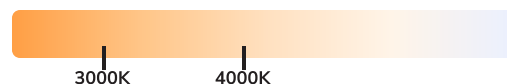
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LED Strips

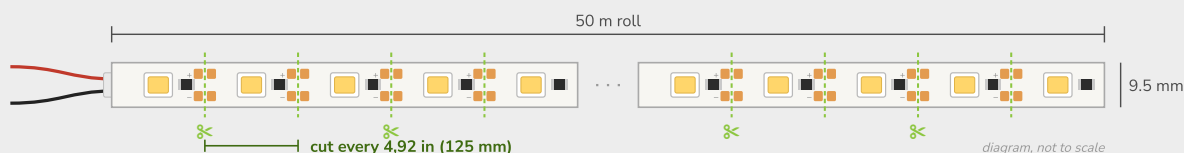
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COLOR TEMPERATURES



DIMENSIONS AND CUT POINTS



A CONTINUOUS LINE OF LIGHT, NO DRIVER

A 12 W/m COB LED strip that connects directly to 120 V AC, with no driver or power supply. Its 296 LEDs per meter form a continuous, even line of light with no visible dots, at 1,020 to 1,200 lm/m. Available in 3000K and 4000K, in 25 m and 50 m rolls, it cuts on site every 125 mm.

FEATURES

- COB technology, 296 LEDs per meter.
- 1,020 to 1,200 lm/m, CRI 80+.
- Direct 120 V AC connection, US plug.
- Slim profile: 9.5 × 4.5 mm.
- Cuts every 125 mm.
- IP65, ETL listed.

PHYSICAL

Chip	COB
LEDs per meter	296
Width	9.5 mm
Height	4.5 mm
Cut	every 125 mm
Adhesive	3M VHB 5608
Protection rating	IP65

ELECTRICAL AND OPTICAL

Voltage	120 V AC
Power	12 W/m · 3.66 W/ft
Per 25 m roll	300 W
Per 50 m roll	600 W
Efficacy	85 to 100 lm/W
Flux per meter	1,020 to 1,200 lm/m
Flux per foot	311 to 366 lm/ft
CRI	80+
Connection	US plug, 1.5 m cord
Certification	ETL

120 V CONNECTION

This strip plugs directly into a 120 V AC circuit with its US plug (1.5 m cord): no driver or power supply is needed, and it runs up to 50 m in one piece with no voltage drop. Accessories: feed cap, end cap and mounting clip. It cuts on site every 125 mm; custom lengths are not offered. Installation must be done by a qualified electrician, in accordance with the Canadian Electrical Code.

ORDERING

Build the product code

1 Series

LCLS120V-12WM-COB 120 V, 12 W/m
COB

2 Color

30K 3000K
40K 4000K

3 Roll

25M 25 m
50M 50 m

EXAMPLE **LCLS120V-12WM-COB - 30K - 50M**

 120 V, 12 W/m COB 3000K 50 m roll

PRODUCT RANGE — ALL CODES

Color	Code
 3000K	LCLS120V-12WM-COB-30K-25M 50 m: -50M
 4000K	LCLS120V-12WM-COB-40K-25M 50 m: -50M

ACCESSORIES

	Code	Description	Sold
	LCLS120V-ACC-PLUG-12WM	120 V power plug, 1.5 m cord — one per cut section	each
	LCENDCAP-COB-120V	End cap	each
	LCLS120V-12W-CLIP	Mounting clip	each

Each roll, 25 m or 50 m, ships with ONE 120 V power plug. Every cut section needs its own plug: additional plugs are sold individually (LCLS120V-ACC-PLUG-12WM).

Outdoors: keep out of direct sun and rain; an aluminum profile is strongly recommended (heat dissipation and mechanical protection).

Never handle or cut the strip while powered.



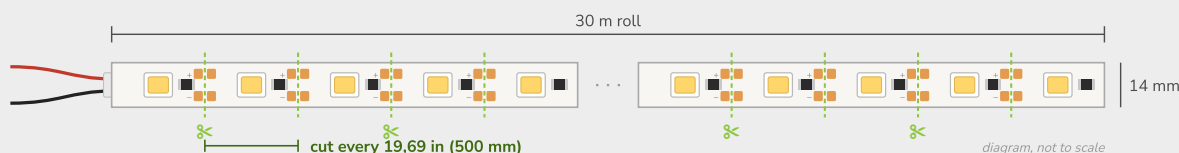
COLORS



RGB · red, green, blue



DIMENSIONS AND CUT POINTS



CONTINUOUS COLOR, NO DRIVER

A 12 W/m COB RGB LED strip that connects directly to 120 V AC, with no driver or power supply. Its 384 LEDs per meter form a continuous line of color with no visible dots, and its red, green and blue channels create a wide range of colors and effects. Sold in a 30 m roll, it is driven by a 120 V RGB controller and its remote, sold separately.

FEATURES

- COB technology, 384 LEDs per meter.
- RGB: dynamic colors and effects.
- Direct 120 V AC connection, US plug.
- No driver needed.
- Cuts every 500 mm (192 LEDs).
- IP65, ETL listed.

PHYSICAL

Chip	COB RGB
LEDs per meter	384
Width	14 mm
Height	5 mm
Cut	every 500 mm (192 LEDs)
Adhesive	3M 9495LE 300MP
Protection rating	IP65

ELECTRICAL AND OPTICAL

Voltage	120 V AC
Power	12 W/m · 3.66 W/ft
Per 30 m roll	360 W
Efficacy	25 lm/W
Flux per meter	300 lm/m
Flux per foot	91.4 lm/ft
Colors	RGB
Control	120 V RGB controller + remote
Connection	US plug
Certification	ETL

120 V CONNECTION AND CONTROL

This strip plugs directly into a 120 V AC circuit with a US plug; no driver is needed. A 120 V RGB controller, sold separately (100-240 V AC input, 3 channels, up to 30 m of strip at 120 V) goes between the plug and the strip; it is operated with a 2.4 GHz wireless touch remote, 30 m range (2 AAA batteries not included). Each roll comes with its US plug, 2 feed caps and 2 end caps, with a 30 cm cable exit on one side. Installation must be done by a qualified electrician, in accordance with the Canadian Electrical Code.

ORDERING

Build the product code

1 Series

LCLS120V-12WM-COB 120 V, 12 W/m
COB

2 Color

RGB red, green, blue

3 Roll

30M 30 m

EXAMPLE

LCLS120V-12WM-COB -

RGB -

30M

120 V, 12 W/m COB

red, green, blue

30 m roll

PRODUCT RANGE — ALL CODES

Color

Code

LCLS120V-12WM-COB-RGB-30M
30 m roll

ACCESSORIES

Code	Description	Sold
-	120 V RGB controller: 100-240 V AC input, 3 channels × 1 A, up to 30 m of strip	sold separately
-	2.4 GHz wireless touch remote, 30 m range (2 AAA batteries not included)	sold separately
-	End caps: 2 entry + 2 end	included with the roll
-	US plug, 1.5 m cord, short-circuit protection	included with the roll

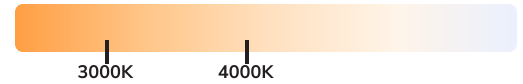
No custom lengths: the strip is cut on site at its cut points, every 500 mm.

Outdoors: keep out of direct sun and rain; an aluminum profile is strongly recommended.

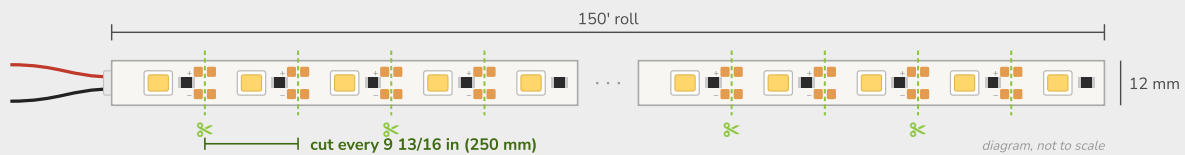
Never handle or cut the strip while powered.



COLOR TEMPERATURES



DIMENSIONS AND CUT POINTS



ACCENT LIGHTING OVER LONG RUNS

A 3 W/ft (9.84 W/m) LED strip that connects directly to 120 V AC, with no driver, for accent and architectural lighting over long runs. It delivers 200 lm/ft (67 lm/W) and runs up to 150 ft (45.7 m) per power feed. Available in 3000K and 4000K, IP65 for wet locations and UV-resistant, it cuts every 25 cm (9 13/16 in).

FEATURES

- Direct 120 V AC connection, no driver.
- 200 lm/ft, 67 lm/W, CRI 80+.
- Up to 150 ft (45.7 m) per power feed.
- Cuts every 25 cm (9 13/16 in).
- Lifespan: 50,000 hours.
- IP65, wet locations, -25 °C to 45 °C.

PHYSICAL

PCB width	12 mm (1/2 in)
Height	7 mm (1/4 in)
Cut	every 25 cm (9 13/16 in)
Protection rating	IP65 · wet locations
UV resistant	Yes
Operating temperature	-25 °C to 45 °C
Lifespan	50,000 h
Warranty	2 years

ELECTRICAL AND OPTICAL

Voltage	120 V AC
Power	3 W/ft · 9.84 W/m
Per 150 ft roll	450 W
Efficacy	67 lm/W
Flux per meter	656 lm/m
Flux per foot	200 lm/ft
CRI	80+
Beam angle	120°
Dimmable	No
Max. run	45.7 m (150 ft)
Certification	cETLus

120 V CONNECTION

This strip connects directly to a 120 V AC circuit, with no driver or power supply. Maximum length per power feed: 150 ft (about 45.7 m). The power cord with plug is sold separately. It is not dimmable. Installation must be done by a qualified electrician, in accordance with the Canadian Electrical Code.

ORDERING

Build the product code

1 Series LCLS120V-3WM 120 V, 3 W/ft	2 Color 30K 3000K 40K 4000K	3 Rating IP65 waterproof	4 Roll 50M 150 ft (45.7 m) roll 45M 150 ft (45.7 m) roll
--	--	---	---

EXAMPLE	LCLS120V-3WM	-	30K	-	IP65	-	50M
	120 V, 3 W/ft		3000K		IP65		150 ft roll

PRODUCT RANGE — ALL CODES

Color	IP65
 3000K	LCLS120V-3WM-30K-IP65-50M 150 ft (45.7 m) roll
 4000K	LCLS120V-3WM-40K-IP65-45M 150 ft (45.7 m) roll

Codes -50M and -45M both designate the same 150 ft (45.7 m) roll.

No custom lengths: the strip is cut on site at its cut points, every 25 cm.

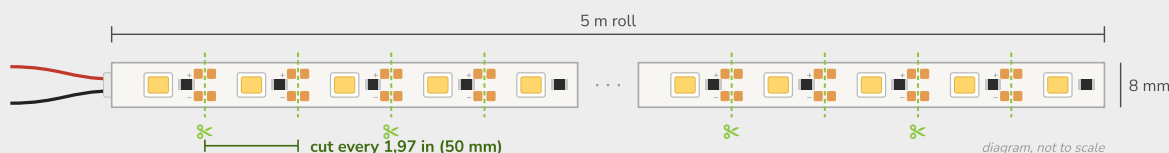
To hide the LED dots, install the strip in an aluminum profile with a diffuser.



COLOR TEMPERATURES



DIMENSIONS AND CUT POINTS



BUILT FOR HEAT AND HUMIDITY

A 24 V CSP LED strip at 10 W/m designed for spas, saunas, steam rooms and bathrooms. Its 320 LEDs per meter give a dense, even light with no visible dots, and it withstands ambient temperatures up to 125 °C. Waterproof IP66 and dimmable, it cuts every 50 mm and comes in 2700K and 3000K, in 5 m and 20 m rolls.

FEATURES

- CSP technology, 320 LEDs per meter.
- CRI 90+, 150° beam angle.
- Heat resistant up to 125 °C.
- Dimmable.
- Lifespan: 50,000+ hours.
- Waterproof IP66, industrial-grade silicone.

PHYSICAL

Chip	CSP
LEDs per meter	320
PCB width	8 mm
PCB thickness	1.85 mm
Cut	every 50 mm
Lead	15 cm, one end
Protection rating	IP66
Ambient temperature	up to 125 °C
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power (±10%)	10 W/m · 3.05 W/ft
Per 5 m roll	50 W
Efficacy	100 lm/W
Flux per meter	1,000 lm/m
Flux per foot	305 lm/ft
CRI	90+
Beam angle	150°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$10 \text{ W/m} \div 3.28 = 3.05 \text{ W/ft}$$

2 Strip load

$$20 \text{ ft} \times 3.05 \text{ W/ft} = 61.0 \text{ W}$$

3 Load at 80% max

$$61.0 \text{ W} \div 0.80 = 76.2 \text{ W} \rightarrow 96 \text{ W}$$

Example: 20 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24VCSP-10W 24 V, 10 W/m CSP	2 Color 27K 2700K 30K 3000K	3 Rating IP66 waterproof	4 Roll (none) 5 m 20M 20 m Custom by the inch ²
---	--	---	---

EXAMPLE	LCLS24VCSP-10W	-	30K	-	IP66	-	20M
	24 V, 10 W/m CSP		3000K		IP66		20 m roll

PRODUCT RANGE — ALL CODES

Color	IP66
 2700K	LCLS24VCSP-10W-27K-IP66 20 m: -20M
 3000K	LCLS24VCSP-10W-30K-IP66 20 m: -20M

CUSTOM FABRICATION [Get a quote in minutes: LED Builder · ledco.ca/en/custom](https://ledco.ca/en/custom)

COMPATIBLE ALUMINUM PROFILES (8 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSL CODIM-24V-24W	TRIAC	6.3 ft · 1.9 m
48 W	LCPSL CODIM-24V-48W	TRIAC	12.6 ft · 3.8 m
96 W	LCPSL CODIM-24V-96W	TRIAC	25.2 ft · 7.7 m
200 W	LCPSL CODIM-24V-200W	TRIAC	52.5 ft · 16.0 m
300 W	LCPSL CODIM-24V-300W	TRIAC	78.7 ft · 24.0 m
96 W	LCPSL CODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	25.2 ft · 7.7 m
192 W	LCPSL CODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	50.4 ft · 15.4 m
288 W	LCPSL CODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	75.6 ft · 23.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

² Custom (LED Builder), sold by the inch: LCSOU24VCSP-10W-30K-W = 3000K IP66 · 2700K IP66: LCSOU24VCSP-50W-27K-W.
 Installing without a profile: CSP strip mounting clip, sold individually (holds the strip without crushing the PCB).
 Voltage drop: 12 V / 24 V chart in the product documents.

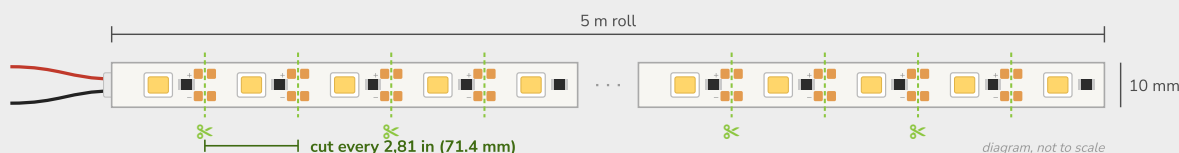


COLORS

6000K cool white + adjustable red



DIMENSIONS AND CUT POINTS



MAKES FOOD LOOK ITS BEST

A 24 V LED strip at 16 W/m designed for meat counters, produce displays, bakery cases and refrigerated displays. Its two channels, 6000K cool white and adjustable red (620-625 nm), bring out the freshness of vegetables and fish as well as the color of meat and red fruit. Sleeved in silicone tubing, it stands up to splashing water and regular cleaning, and cuts every 71.4 mm.

FEATURES

- 6000K cool white + adjustable red.
- 800 lm/m in white, CRI 92+, 120° beam angle.
- SMD 2835 chips, 168 LEDs per meter.
- Silicone sleeve, washable.
- 3M 9495LE adhesive.
- Lifespan: 50,000 hours.

PHYSICAL

Chip	SMD 2835
LEDs per meter	168
PCB width	10 mm
Copper weight	3 oz
Cut	every 71.4 mm (12 LEDs)
Sleeve	silicone tube
Adhesive	3M 9495LE
Protection rating	IP67
Lifespan	50,000 h

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power	16 W/m (white 8 W + red 8 W) · 4.88 W/ft
Per 5 m roll	80 W
Luminous flux (6000K white)	800 lm/m
Colors	6000K + red 620-625 nm
CRI	92+
Beam angle	120°
Dimming	CCT controller (2 channels)
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $16 \text{ W/m} \div 3.28 = 4.88 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 4.88 \text{ W/ft} = 58.5 \text{ W}$

3 Load at 80% max
 $58.5 \text{ W} \div 0.80 = 73.2 \text{ W} \rightarrow 96 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24VFOOD-80W 24 V, 16 W/m food display	2 Color RED-60K red + 6000K	3 Rating IP66 waterproof	4 Roll (none) 5 m
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EXAMPLE	LCLS24VFOOD-80W	-	RED-60K	-	IP66
	24 V, 16 W/m food display		red + 6000K		waterproof

PRODUCT RANGE — ALL CODES

Color	IP66
6000K + red	LCLS24VFOOD-80W-RED-60K-IP66

COMPATIBLE ALUMINUM PROFILES (10 mm strip)

#84	#85	#90	#91	#49	#50	#81	#87
#86	#88	#89	#97	#315	Drywall Apsis	Drywall Latus	Drywall Sulcus

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	3.9 ft · 1.2 m
48 W	LCPSLCODIM-24V-48W	TRIAC	7.9 ft · 2.4 m
96 W	LCPSLCODIM-24V-96W	TRIAC	15.7 ft · 4.8 m
200 W	LCPSLCODIM-24V-200W	TRIAC	32.8 ft · 10.0 m
300 W	LCPSLCODIM-24V-300W	TRIAC	49.2 ft · 15.0 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	15.7 ft · 4.8 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	31.5 ft · 9.6 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	47.2 ft · 14.4 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

Dimming: a CCT controller is required to set the white/red ratio (4-zone CCT remote + 4-zone 12A universal receiver); a standard 120 V wall dimmer is not compatible.
 Above 225 W per zone: add a 20A LED amplifier (480 W at 24 V).
 Custom lengths: on request, from our team.



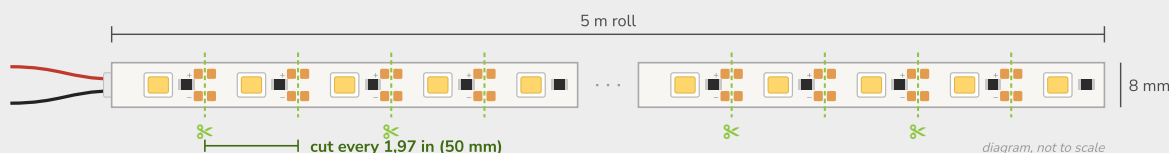
WAVELENGTHS



Red 660 nm + blue 450 nm



DIMENSIONS AND CUT POINTS



GROW LIGHT IN A STRIP

A 24 V LED strip at 16 W/m designed for indoor plant growing: greenhouses, indoor gardens, hydroponics and grow racks. It concentrates its output on 660 nm red and 450 nm blue, the two wavelengths chlorophyll absorbs most, for both vegetative growth and flowering. Rated IP54 against splashing water and humidity, it cuts every 50 mm and comes in a 5 m roll.

FEATURES

- 660 nm red + 450 nm blue.
- Photon flux: 48 $\mu\text{mol/s}$ per meter.
- Efficacy: 2.8 $\mu\text{mol/J}$.
- 120 LEDs per meter.
- Lifespan: 50,000 hours.
- Humidity resistant, IP54.

PHYSICAL

LEDs per meter	120
PCB width	8 mm
Copper weight	3 oz
Cut	every 50 mm (6 LEDs)
Protection rating	IP54
Lifespan	50,000 h

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power	16 W/m · 4.88 W/ft
Per 5 m roll	80 W
Spectrum	red 660 nm · blue 450 nm
Photon flux	48 $\mu\text{mol/s}$ per meter
Efficacy	2.8 lm/W
Flux per meter	44.8 lm/m
Flux per foot	13.7 lm/ft

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$16 \text{ W/m} \div 3.28 = 4.88 \text{ W/ft}$$

2 Strip load

$$12 \text{ ft} \times 4.88 \text{ W/ft} = 58.5 \text{ W}$$

3 Load at 80% max

$$58.5 \text{ W} \div 0.80 = 73.2 \text{ W} \rightarrow 96 \text{ W}$$

Example: 12 ft of strip → LCPSL CODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series

LCLS24V-HORTICULTURE-16W 24 V, 16 W/m horticultural

2 Rating

IP54 humidity resistant

3 Roll

(none) 5 m

EXAMPLE

LCLS24V-HORTICULTURE-16W - IP54

24 V, 16 W/m, red + blue

IP54, 5 m roll

PRODUCT RANGE — ALL CODES

Color IP54

LCLS24V-HORTICULTURE-16W-IP54

COMPATIBLE ALUMINUM PROFILES (8 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	3.9 ft · 1.2 m
48 W	LCPSLCODIM-24V-48W	TRIAC	7.9 ft · 2.4 m
96 W	LCPSLCODIM-24V-96W	TRIAC	15.7 ft · 4.8 m
200 W	LCPSLCODIM-24V-200W	TRIAC	32.8 ft · 10.0 m
300 W	LCPSLCODIM-24V-300W	TRIAC	49.2 ft · 15.0 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	15.7 ft · 4.8 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	31.5 ft · 9.6 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	47.2 ft · 14.4 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

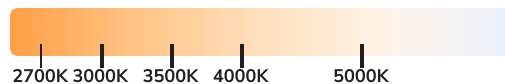
Recommended height: 15 to 30 cm above the plants, depending on installation density and species.

Aluminum profile strongly recommended for heat dissipation.

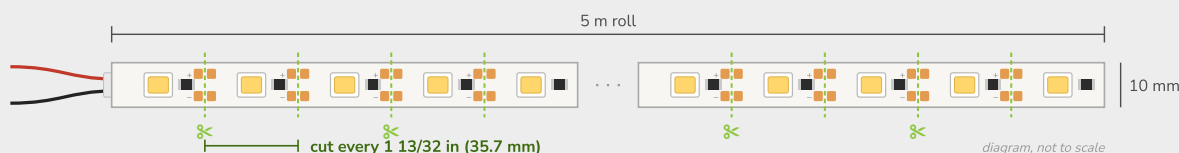
Timers: any standard 24 V power supply works with an external timer switch.



COLOR TEMPERATURES



DIMENSIONS AND CUT POINTS



HIGH OUTPUT

A 24 V LED strip at 19.2 W/m for high-intensity task and architectural lighting: kitchens, display cases, retail and facades. Its 224 LEDs per meter give a continuous line of light. Dimmable, it cuts every 35.7 mm; an aluminum profile is strongly recommended to dissipate its heat. Available indoor IP22 and waterproof IP66, in 5 m and 30 m rolls, in five color temperatures.

FEATURES

- SMD 2835 chips, 224 LEDs/m.
- CRI 90+, 120° beam angle.
- Dimmable.
- Cuts every 35.7 mm (8 LEDs).
- Maximum run: 10 m.
- Indoor IP22 or waterproof IP66.

PHYSICAL

Chip	SMD 2835
LEDs per meter	224
PCB width	10 mm
Copper weight	3 oz
Cut	every 35.7 mm (8 LEDs)
Protection rating	IP22 · IP66
Lifespan	50,000 h +
Leads	AWG20 silicone, 15 cm at both ends
Mounting	3M 9495LE adhesive

ELECTRICAL AND OPTICAL

Voltage	24 V DC · 12 V DC
Power (±10%)	19.2 W/m · 5.85 W/ft
Per 5 m roll	96 W
Efficacy	120 to 140 lm/W
Flux per meter	2,304 to 2,688 lm/m
Flux per foot	702 to 819 lm/ft
CRI	90+
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$19.2 \text{ W/m} \div 3.28 = 5.85 \text{ W/ft}$$

2 Strip load

$$12 \text{ ft} \times 5.85 \text{ W/ft} = 70.2 \text{ W}$$

3 Load at 80% max

$$70.2 \text{ W} \div 0.80 = 87.8 \text{ W} \rightarrow 96 \text{ W}$$

Example: 12 ft of strip → LCPSL CODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-96W 24 V, 19.2 W/m LCLS12V-96W 12 V, 19.2 W/m	2 Color 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	3 Rating IP22 indoor IP66 waterproof	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE	LCLS24V-96W	-	40K	-	IP66	-	30M
	24 V, 19.2 W/m		4000K		IP66		30 m roll

PRODUCT RANGE — ALL CODES

Color	24 V · IP22	24 V · IP66	12 V · IP22
 2700K	LCLS24V-96W-27K-IP22 30 m: -30M	LCLS24V-96W-27K-IP66 30 m: -30M	—
 3000K	LCLS24V-96W-30K-IP22 30 m: -30M	LCLS24V-96W-30K-IP66 30 m: -30M	LCLS12V-96W-30K-IP22
 3500K	LCLS24V-96W-35K-IP22 30 m: -30M	LCLS24V-96W-35K-IP66 30 m: -30M	—
 4000K	LCLS24V-96W-40K-IP22 30 m: -30M	LCLS24V-96W-40K-IP66 30 m: -30M	—
 5000K	LCLS24V-96W-50K-IP22 30 m: -30M	LCLS24V-96W-50K-IP66 30 m: -30M	—

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COMPATIBLE ALUMINUM PROFILES (10 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

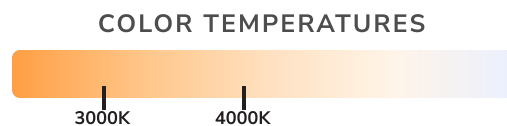
Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	3.3 ft · 1.0 m
48 W	LCPSLCODIM-24V-48W	TRIAC	6.6 ft · 2.0 m
96 W	LCPSLCODIM-24V-96W	TRIAC	13.1 ft · 4.0 m
200 W	LCPSLCODIM-24V-200W	TRIAC	27.3 ft · 8.3 m
300 W	LCPSLCODIM-24V-300W	TRIAC	41.0 ft · 12.5 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	13.1 ft · 4.0 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.2 ft · 8.0 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	39.4 ft · 12.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

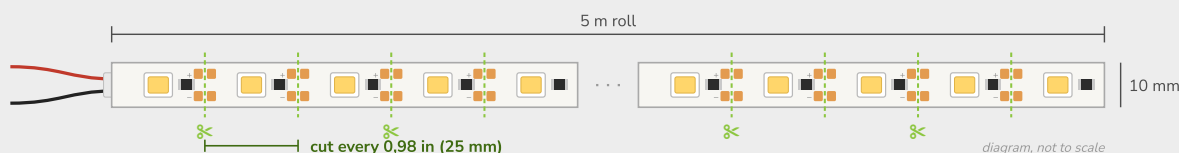
12 V: same calculation with the 12 V dimmable power supplies (LCPSLCODIM-12V-24W, -48W, -96W), loaded at 80% max.

² Custom (LED Builder), sold by the inch: LCSOU24V-96W-30K = 3000K IP22 · same logic for 27K, 35K, 40K, 50K · IP66: add -W (LCSOU24V-96W-30K-W).

Voltage drop: 12 V / 24 V chart in the product documents.



DIMENSIONS AND CUT POINTS



OUR MOST POWERFUL STRIP

A 24 V LED strip at 28.8 W/m, the most powerful white strip in the LEDCO range, for high-intensity commercial and institutional lighting. With 280 LEDs per meter on a 10 mm, 3 oz copper PCB, it cuts every 25 mm; an aluminum profile is strongly recommended to dissipate its heat. Dimmable, available indoor IP22, in 5 m and 30 m rolls, in 3000K and 4000K.

FEATURES

- Epistar 2835 SMD chips, 280 LEDs/m.
- CRI 80+, 120° beam angle.
- Dimmable.
- Maximum run: 10 m.
- Lifespan: 50,000+ hours.
- Indoor IP22.

PHYSICAL

Chip	Epistar 2835 SMD
LEDs per meter	280
PCB width	10 mm
Copper weight	3 oz
Cut	every 25 mm (7 LEDs)
Protection rating	IP22
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power (±10%)	28.8 W/m · 8.78 W/ft
Per 5 m roll	144 W
Efficacy	109 lm/W
Flux per meter	3,139 lm/m
Flux per foot	957 lm/ft
CRI	80+
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$28.8 \text{ W/m} \div 3.28 = 8.78 \text{ W/ft}$$

2 Strip load

$$12 \text{ ft} \times 8.78 \text{ W/ft} = 105.3 \text{ W}$$

3 Load at 80% max

$$105.3 \text{ W} \div 0.80 = 131.7 \text{ W} \rightarrow 200 \text{ W}$$

Example: 12 ft of strip → LCPSLCODIM-24V-200W (200 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-144W 24 V, 28.8 W/m	2 Color 30K 3000K 40K 4000K	3 Rating IP22 indoor	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE	LCLS24V-144W	-	40K	-	IP22	-	30M
	24 V, 28.8 W/m		4000K		IP22		30 m roll

PRODUCT RANGE — ALL CODES

Color	IP22
3000K	LCLS24V-144W-30K-IP22 30 m: -30M
4000K	LCLS24V-144W-40K-IP22 30 m: -30M

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COMPATIBLE ALUMINUM PROFILES (10 mm strip)

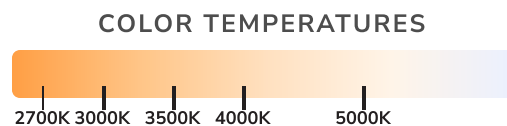
#84	#85	#90	#91	#49	#50	#81	#87
#86	#88	#89	#97	#315	Drywall Apsis	Drywall Latus	Drywall Sulcus

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

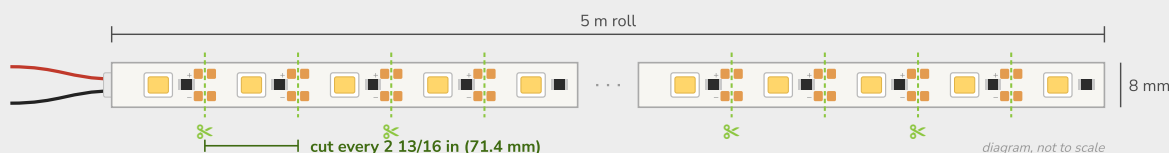
Power	Code	Dimming	Maximum strip
24 W	LCPSLCCODIM-24V-24W	TRIAC	2.2 ft · 0.7 m
48 W	LCPSLCCODIM-24V-48W	TRIAC	4.4 ft · 1.3 m
96 W	LCPSLCCODIM-24V-96W	TRIAC	8.7 ft · 2.7 m
200 W	LCPSLCCODIM-24V-200W	TRIAC	18.2 ft · 5.6 m
300 W	LCPSLCCODIM-24V-300W	TRIAC	27.3 ft · 8.3 m
96 W	LCPSLCCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	8.7 ft · 2.7 m
192 W	LCPSLCCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	17.5 ft · 5.3 m
288 W	LCPSLCCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.2 ft · 8.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

² Custom (LED Builder), sold by the inch: LCSOU24V-144W-30K = 3000K IP22 · LCSOU24V-144W-40K = 4000K IP22.
 Voltage drop: 12 V / 24 V chart in the product documents.



DIMENSIONS AND CUT POINTS



SUBTLE AMBIENT LIGHT

A 24 V LED strip at 4.8 W/m for subtle, even accent lighting: ceiling coves, niches and retail highlights. Dimmable, it cuts every 71.4 mm and is best installed in an aluminum profile. Available indoor IP22 and waterproof IP66, in 5 m and 30 m rolls, in five color temperatures.

FEATURES

- SMD 2835 chips, 112 LEDs/m.
- CRI 90+, 120° beam angle.
- Dimmable.
- Cuts every 71.4 mm (8 LEDs).
- Maximum run: 10 m.
- Indoor IP22 or waterproof IP66.

PHYSICAL

Chip	SMD 2835
LEDs per meter	112
PCB width	8 mm
Copper weight	3 oz
Cut	every 71.4 mm (8 LEDs)
Protection rating	IP22 · IP66
Lifespan	50,000 h +
Leads	AWG20 silicone, 15 cm at both ends
Mounting	3M 9495LE adhesive

ELECTRICAL AND OPTICAL

Voltage	24 V DC · 12 V DC
Power (±10%)	4.8 W/m · 1.46 W/ft
Per 5 m roll	24 W
Efficacy	120 to 140 lm/W
Flux per meter	576 to 672 lm/m
Flux per foot	176 to 205 lm/ft
CRI	90+
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $4.8 \text{ W/m} \div 3.28 = 1.46 \text{ W/ft}$

2 Strip load
 $20 \text{ ft} \times 1.46 \text{ W/ft} = 29.3 \text{ W}$

3 Load at 80% max
 $29.3 \text{ W} \div 0.80 = 36.6 \text{ W} \rightarrow 48 \text{ W}$

Example: 20 ft of strip → LCPSLCODIM-24V-48W (48 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-24W 24 V, 4.8 W/m LCLS12V-24W 12 V, 4.8 W/m	2 Color 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	3 Rating IP22 indoor IP66 waterproof	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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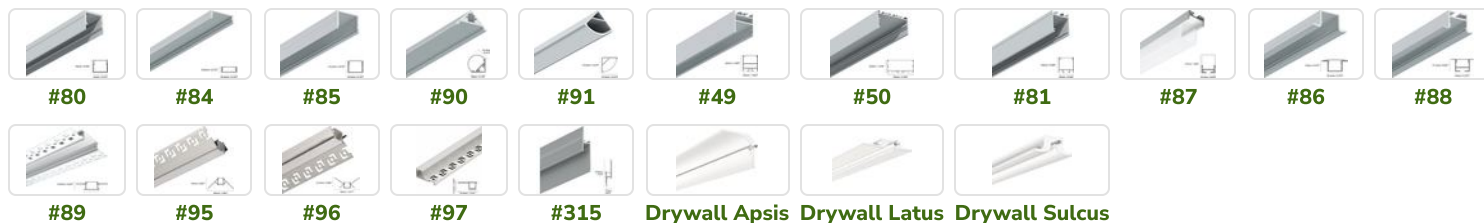
EXAMPLE	LCLS24V-24W	-	30K	-	IP22	-	30M
	24 V, 4.8 W/m		3000K		IP22		30 m roll

PRODUCT RANGE — ALL CODES

Color	24 V · IP22	24 V · IP66	12 V · IP22	12 V · IP66
 2700K	LCLS24V-24W-27K-IP22 30 m: -30M	LCLS24V-24W-27K-IP66 30 m: -30M	—	—
 3000K	LCLS24V-24W-30K-IP22 30 m: -30M	LCLS24V-24W-30K-IP66 30 m: -30M	LCLS12V-24W-30K-IP22 30 m: -30M	LCLS12V-24W-30K-IP66
 3500K	LCLS24V-24W-35K-IP22 30 m: -30M	LCLS24V-24W-35K-IP66 30 m: -30M	—	—
 4000K	LCLS24V-24W-40K-IP22 30 m: -30M	LCLS24V-24W-40K-IP66 30 m: -30M	—	—
 5000K	LCLS24V-24W-50K-IP22 30 m: -30M	LCLS24V-24W-50K-IP66 30 m: -30M	—	—

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COMPATIBLE ALUMINUM PROFILES (8 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

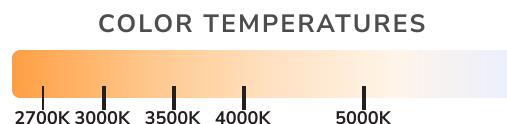
Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	13.1 ft · 4.0 m
48 W	LCPSLCODIM-24V-48W	TRIAC	26.2 ft · 8.0 m
96 W	LCPSLCODIM-24V-96W	TRIAC	52.5 ft · 16.0 m
200 W	LCPSLCODIM-24V-200W	TRIAC	109.4 ft · 33.3 m
300 W	LCPSLCODIM-24V-300W	TRIAC	164.0 ft · 50.0 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	52.5 ft · 16.0 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	105.0 ft · 32.0 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	157.5 ft · 48.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

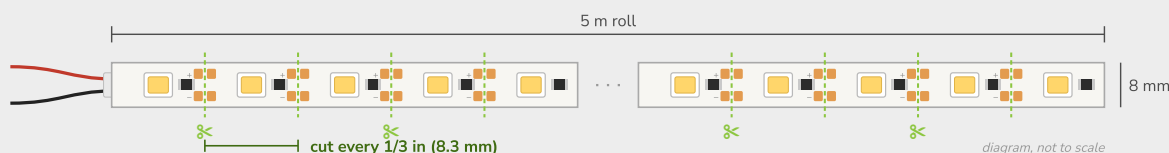
12 V: same calculation with the 12 V dimmable power supplies (LCPSLCODIM-12V-24W, -48W, -96W), loaded at 80% max.

² Custom (LED Builder), sold by the inch: LCSOU24V-24W-30K = 3000K IP22 · same logic for 27K, 35K, 40K, 50K · IP66: add -W (LCSOU24V-24W-30K-W).

Voltage drop: 12 V / 24 V chart in the product documents.



DIMENSIONS AND CUT POINTS



THE VERSATILE STRIP

A 24 V LED strip at 9.6 W/m for even accent or task lighting. Dimmable, it cuts at every LED (8.3 mm) to match dimensions precisely, and fits most of our aluminum profiles. Available indoor IP22 and waterproof IP66, in 5 m and 30 m rolls, in five color temperatures.

FEATURES

- SMD 2835 chips, 120 LEDs/m.
- CRI 90+, 120° beam angle.
- Dimmable.
- Cuts at every LED, IP22 and IP66 (8.3 mm).
- Maximum run: 10 m.
- Indoor IP22 or waterproof IP66.

PHYSICAL

Chip	SMD 2835
LEDs per meter	120
PCB width	8 mm
Copper weight	3 oz
Cut	at every LED, IP22 and IP66 (8.3 mm)
Protection rating	IP22 · IP66
Lifespan	50,000 h +
Leads	AWG20 silicone, 15 cm at both ends
Mounting	3M 9495LE adhesive

ELECTRICAL AND OPTICAL

Voltage	24 V DC · 12 V DC
Power (±10%)	9.6 W/m · 2.93 W/ft
Per 5 m roll	48 W
Efficacy	130 lm/W
Flux per meter	1,248 lm/m
Flux per foot	380 lm/ft
CRI	90+
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $9.6 \text{ W/m} \div 3.28 = 2.93 \text{ W/ft}$

2 Strip load
 $20 \text{ ft} \times 2.93 \text{ W/ft} = 58.5 \text{ W}$

3 Load at 80% max
 $58.5 \text{ W} \div 0.80 = 73.2 \text{ W} \rightarrow 96 \text{ W}$

Example: 20 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-48W 24 V, 9.6 W/m LCLS12V-48W 12 V, 9.6 W/m	2 Color 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	3 Rating IP22 indoor IP66 waterproof	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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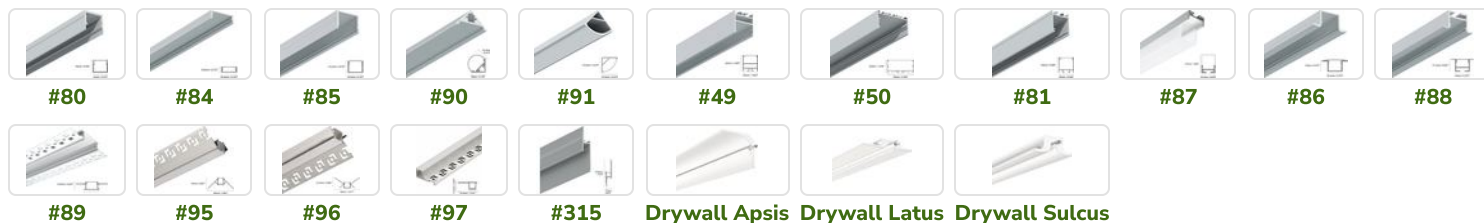
EXAMPLE	LCLS24V-48W	-	30K	-	IP22	-	30M
	24 V, 9.6 W/m		3000K		IP22		30 m roll

PRODUCT RANGE — ALL CODES

Color	24 V · IP22	24 V · IP66	12 V · IP22	12 V · IP66
 2700K	LCLS24V-48W-27K-IP22 30 m: -30M	LCLS24V-48W-27K-IP66 30 m: -30M	—	—
 3000K	LCLS24V-48W-30K-IP22 30 m: -30M	LCLS24V-48W-30K-IP66 30 m: -30M	LCLS12V-48W-30K-IP22	LCLS12V-48W-30K-IP66 30 m: -30M
 3500K	LCLS24V-48W-35K-IP22 30 m: -30M	LCLS24V-48W-35K-IP66 30 m: -30M	—	—
 4000K	LCLS24V-48W-40K-IP22 30 m: -30M	LCLS24V-48W-40K-IP66 30 m: -30M	LCLS12V-48W-40K-IP22	LCLS12V-48W-40K-IP66 30 m: -30M
 5000K	LCLS24V-48W-50K-IP22 30 m: -30M	LCLS24V-48W-50K-IP66 30 m: -30M	LCLS12V-48W-50K-IP22	—

CUSTOM FABRICATION [Get a quote in minutes: LED Builder · ledco.ca/en/custom](#)

COMPATIBLE ALUMINUM PROFILES (8 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	6.6 ft · 2.0 m
48 W	LCPSLCODIM-24V-48W	TRIAC	13.1 ft · 4.0 m
96 W	LCPSLCODIM-24V-96W	TRIAC	26.2 ft · 8.0 m
200 W	LCPSLCODIM-24V-200W	TRIAC	54.7 ft · 16.7 m
300 W	LCPSLCODIM-24V-300W	TRIAC	82.0 ft · 25.0 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.2 ft · 8.0 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	52.5 ft · 16.0 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	78.7 ft · 24.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

12 V: same calculation with the 12 V dimmable power supplies (LCPSLCODIM-12V-24W, -48W, -96W), loaded at 80% max.

² Custom (LED Builder), sold by the inch: LCSOU24V-48W-30K = 3000K IP22 · same logic for 27K, 35K, 40K, 50K · IP66: add -W (LCSOU24V-48W-30K-W).

Voltage drop: 12 V / 24 V chart in the product documents.

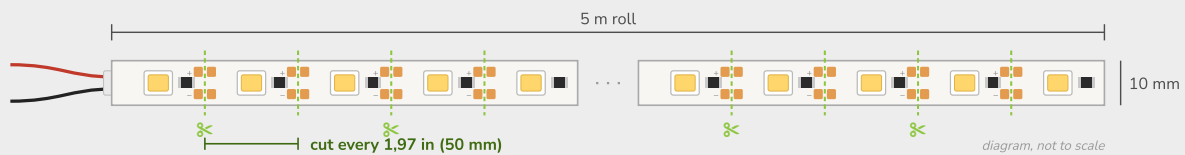


COLOR TEMPERATURE

Tunable from 2700K to 6500K



DIMENSIONS AND CUT POINTS



TUNABLE WHITE

A 24 V CCT LED strip at 19.2 W/m whose color temperature is adjustable, from 2700K warm white to 6500K cool white, to suit the time of day or use. Its 240 dual-color LEDs per meter (3014 chips, CRI 90+) give a continuous line of light. It runs on a CCT remote and receiver and is best installed in an aluminum profile. It cuts every 50 mm (12 LEDs). For dry indoor locations (IP20), in 5 m and 30 m rolls.

FEATURES

- Tunable from 2700K to 6500K.
- SMD 3014 dual-color chips, 240 LEDs/m.
- CRI 90+.
- 15 cm 3-wire lead at one end.
- Maximum run: 10 m.
- For dry indoor locations (IP20).

PHYSICAL

Chip	SMD 3014 dual-color
LEDs per meter	240
PCB width	10 mm
Cut	every 50 mm (12 LEDs)
Copper weight	3 oz
Lead	3-wire AWG22, 15 cm, one end
Protection rating	IP20 · dry indoor
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power (±10%)	19.2 W/m · 5.85 W/ft
Per 5 m roll	96 W
Range	2700K → 6500K
CRI	90+
Control	CCT remote + receiver
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $19.2 \text{ W/m} \div 3.28 = 5.85 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 5.85 \text{ W/ft} = 70.2 \text{ W}$

3 Load at 80% max
 $70.2 \text{ W} \div 0.80 = 87.8 \text{ W} \rightarrow 96 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

CUSTOM FABRICATION Get a quote in minutes: LED Builder · ledco.ca/en/custom

ORDERING

Build the product code

1 Series LCLS24V-100W 24 V, 19.2 W/m	2 Rating IP22 indoor	3 Color CCT tunable white	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE	LCLS24V-100W	-	IP22	-	CCT	-	30M
	24 V, 19.2 W/m		IP22		tunable white		30 m roll

PRODUCT RANGE — ALL CODES

Color	IP22
CCT	LCLS24V-100W-IP22-CCT 30 m: -30M

COMPATIBLE ALUMINUM PROFILES (10 mm strip)

#84	#85	#90	#91	#49	#50	#81	#87
#86	#88	#89	#97	#315	Drywall Apsis	Drywall Latus	Drywall Sulcus

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

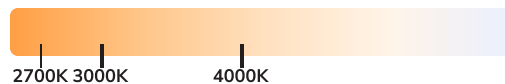
Power	Code	Dimming	Maximum strip
24 W	LCPSLCCODIM-24V-24W	TRIAC	3.3 ft · 1.0 m
48 W	LCPSLCCODIM-24V-48W	TRIAC	6.6 ft · 2.0 m
96 W	LCPSLCCODIM-24V-96W	TRIAC	13.1 ft · 4.0 m
200 W	LCPSLCCODIM-24V-200W	TRIAC	27.3 ft · 8.3 m
300 W	LCPSLCCODIM-24V-300W	TRIAC	41.0 ft · 12.5 m
96 W	LCPSLCCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	13.1 ft · 4.0 m
192 W	LCPSLCCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.2 ft · 8.0 m
288 W	LCPSLCCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	39.4 ft · 12.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

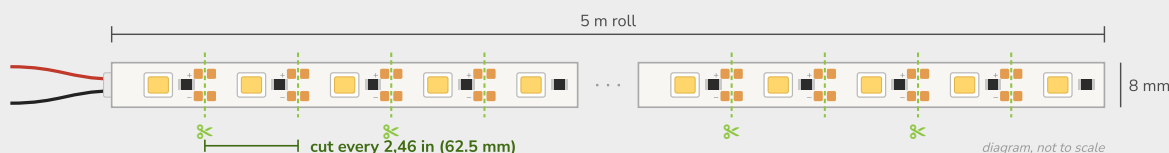
² Custom (LED Builder), sold by the inch: LCSOU24V-100W-CCT = CCT IP22.
 A 120 V wall dimmer does not adjust color temperature: use a CCT remote and receiver.
 Voltage drop: 12 V / 24 V chart in the product documents.



COLOR TEMPERATURES



DIMENSIONS AND CUT POINTS



A CONTINUOUS LINE OF LIGHT

A 24 V COB LED strip at 11 W/m: 512 chips per meter form a continuous line of light, with no visible dots or graininess. Dimmable, it cuts every 62.5 mm and is best installed in an aluminum profile, for drywall coves, under-cabinet and display cases where the strip is visible. Available indoor IP22, in 5 m and 30 m rolls, in 2700K, 3000K and 4000K.

FEATURES

- COB technology: no visible dots.
- CRI 90+, 120° beam angle.
- Dimmable.
- Maximum run: 10 m.
- Lifespan: 50,000+ hours.
- Indoor IP22, 3M double-sided tape.

PHYSICAL

Technology	COB
Chips per meter	512
PCB width	8 mm
PCB thickness	1.5 mm
Cut	every 62.5 mm
Mounting	3M double-sided tape
Protection rating	IP22
Operating temperature	-20 °C to +60 °C
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power (±10%)	11 W/m · 3.35 W/ft
Per 5 m roll	55 W
Efficacy	95 lm/W
Flux per meter	1,045 lm/m
Flux per foot	319 lm/ft
CRI	90+
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$11 \text{ W/m} \div 3.28 = 3.35 \text{ W/ft}$$

2 Strip load

$$16 \text{ ft} \times 3.35 \text{ W/ft} = 53.6 \text{ W}$$

3 Load at 80% max

$$53.6 \text{ W} \div 0.80 = 67.1 \text{ W} \rightarrow 96 \text{ W}$$

Example: 16 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24VCOB-11W 24 V, 11 W/m COB	2 Color 27K 2700K 30K 3000K 40K 4000K	3 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE	LCLS24VCOB-11W - 30K - 30M
	24 V, 11 W/m COB 3000K 30 m roll

PRODUCT RANGE — ALL CODES

Color	Code
2700K	LCLS24VCOB-11W-27K 30 m: -30M
3000K	LCLS24VCOB-11W-30K 30 m: -30M
4000K	LCLS24VCOB-11W-40K 30 m: -30M

CUSTOM FABRICATION [Get a quote in minutes: LED Builder · ledco.ca/en/custom](#)

COMPATIBLE ALUMINUM PROFILES (8 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCOBIM-24V-24W	TRIAC	5.7 ft · 1.7 m
48 W	LCPSLCOBIM-24V-48W	TRIAC	11.5 ft · 3.5 m
96 W	LCPSLCOBIM-24V-96W	TRIAC	22.9 ft · 7.0 m
200 W	LCPSLCOBIM-24V-200W	TRIAC	47.7 ft · 14.5 m
300 W	LCPSLCOBIM-24V-300W	TRIAC	71.6 ft · 21.8 m
96 W	LCPSLCOBIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	22.9 ft · 7.0 m
192 W	LCPSLCOBIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	45.8 ft · 14.0 m
288 W	LCPSLCOBIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	68.7 ft · 20.9 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

² Custom (LED Builder), sold by the inch: LCSOU24VCOB-11W-30K = 3000K IP22 · same logic for 27K and 40K. Voltage drop: 12 V / 24 V chart in the product documents.



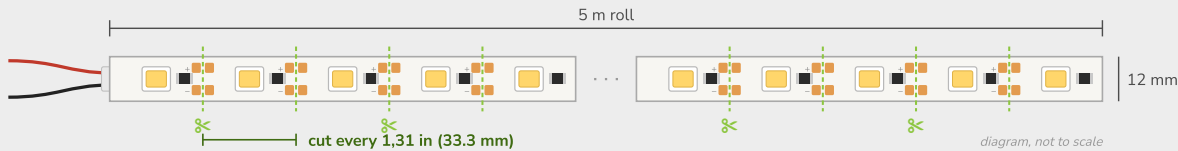
COLORS



RGB + 3000K white



DIMENSIONS AND CUT POINTS



COLOR WITHOUT HOT SPOTS

A 24 V COB RGBW LED strip at 18 W/m: the continuous light of COB with four independent channels, red, green, blue and white. Its 840 chips per meter form a smooth line of color with no visible dots or graininess, and the white channel (3000K or 4000K, CRI 90) delivers a true white, without the bluish cast of RGB-mixed white. Designed for dry indoor locations, it must be installed in an aluminum profile to dissipate its heat and runs on an RGBW controller.

FEATURES

- COB technology, 840 chips per meter.
- Four channels: red, green, blue and 3000K or 4000K white.
- CRI 90 white.
- RGBW controller required (no wall dimmer).
- 5-conductor connection: 22-5 RGB-W wire.
- For dry indoor locations (IP20).

PHYSICAL

Technology	COB
Chips per meter	840
PCB width	12 mm
Copper weight	3 oz
Cut	every 33.33 mm
Channels	4 (R, G, B, white)
Wiring	5 conductors (22-5 RGB-W wire)
Protection rating	IP20 · dry indoor
Roll	5 m

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power	18 W/m · 5.49 W/ft
Per 5 m roll	90 W
CRI (white)	90+
Control	RGBW controller (receiver + remote or wall unit)
Amplifier	RGBW 20 A beyond 225 W per zone
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$18 \text{ W/m} \div 3.28 = 5.49 \text{ W/ft}$

2 Strip load

$12 \text{ ft} \times 5.49 \text{ W/ft} = 65.8 \text{ W}$

3 Load at 80% max

$65.8 \text{ W} \div 0.80 = 82.3 \text{ W} \rightarrow 96 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series

LCLS24VC0B-19W 24 V, 18 W/m COB

2 Color

RGBW-30K RGB + 3000K white

RGBW-40K RGB + 4000K white

EXAMPLE

LCLS24VC0B-19W - RGBW-30K

24 V, 18 W/m COB

RGB + 3000K white

PRODUCT RANGE — ALL CODES

Color

Code

RGB + 3000K

LCLS24VC0B-19W-RGBW-30K

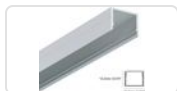
RGB + 4000K

LCLS24VC0B-19W-RGBW-40K

COMPATIBLE ALUMINUM PROFILES (12 mm strip)



#84



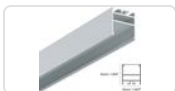
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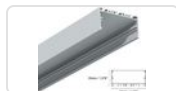
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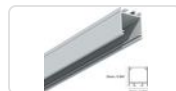
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#49



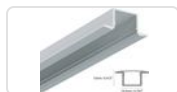
#50



#81



#87



#86



#88



#89



Drywall Apsis



Drywall Latus

Drywall
Sulcus

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	3.5 ft · 1.1 m
48 W	LCPSLCODIM-24V-48W	TRIAC	7.0 ft · 2.1 m
96 W	LCPSLCODIM-24V-96W	TRIAC	14.0 ft · 4.3 m
200 W	LCPSLCODIM-24V-200W	TRIAC	29.2 ft · 8.9 m
300 W	LCPSLCODIM-24V-300W	TRIAC	43.7 ft · 13.3 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	14.0 ft · 4.3 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	28.0 ft · 8.5 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	42.0 ft · 12.8 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

Aluminum profile required: above 14.4 W/m, the strip must be mounted on a heat sink.
5 m roll. Custom cuts: our team at (450) 444-4007.

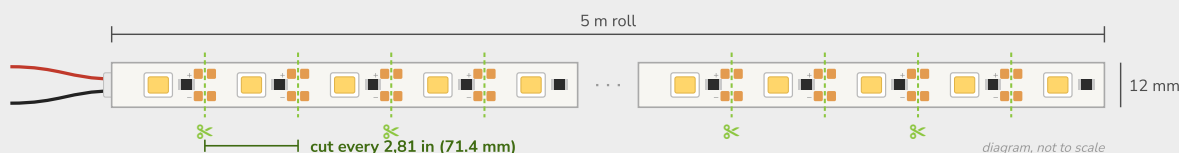


COLOR TEMPERATURE

4000K → 2400K when dimmed



DIMENSIONS AND CUT POINTS



THE WARMTH OF INCANDESCENT

A 24 V dim-to-warm LED strip at 17 W/m: at full output it gives a 4000K neutral white, and as it dims the light grows warmer down to 2400K, just like a filament lamp. It dims like a standard white strip, with no receiver or remote, and cuts every 71.4 mm. Available indoor IP22, in 5 m and 30 m rolls, for living rooms, restaurants and hotels.

FEATURES

- Dim to warm: from 4000K down to 2400K.
- CRI 80+, 120° beam angle.
- Dimmable: 120 V LED dimmer, 0-10 V, RF, DMX.
- Maximum run: 10 m.
- Lifespan: 50,000+ hours.
- Indoor IP22.

PHYSICAL

LEDs per meter	196
PCB width	12 mm
Copper weight	3 oz
Cut	every 71.4 mm
Protection rating	IP22
Operating temperature	-20 °C to +60 °C
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC (constant voltage)
Power (±10%)	17 W/m · 5.18 W/ft
Per 5 m roll	85 W
Efficacy	90 to 95.3 lm/W
Flux per meter	1,530 to 1,620 lm/m
Flux per foot	466 to 494 lm/ft
Range	4000K → 2400K
CRI	80+
Beam angle	120°
Dimming	DMX or RF PWM, 0-10 V, MLV incandescent
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $17 \text{ W/m} \div 3.28 = 5.18 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 5.18 \text{ W/ft} = 62.2 \text{ W}$

3 Load at 80% max
 $62.2 \text{ W} \div 0.80 = 77.7 \text{ W} \rightarrow 96 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-17W 24 V, 17 W/m	2 Color DTW-2440K 2400K to 4000K	3 Rating IP22 indoor	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE	LCLS24V-17W	-	DTW-2440K	-	IP22	-	30M
	24 V, 17 W/m		2400K to 4000K		IP22		30 m roll

PRODUCT RANGE — ALL CODES

Color	IP22
2400K → 4000K	LCLS24V-17W-DTW-2440K-IP22
	30 m: -30M

CUSTOM FABRICATION [Get a quote in minutes: LED Builder · ledco.ca/en/custom](#)

COMPATIBLE ALUMINUM PROFILES (12 mm strip)

#84	#85	#90	#91	#49	#50	#81	#87
#86	#88	#89	Drywall Apsis	Drywall Latus	Drywall Sulcus		

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSL CODIM-24V-24W	TRIAC	3.7 ft · 1.1 m
48 W	LCPSL CODIM-24V-48W	TRIAC	7.4 ft · 2.3 m
96 W	LCPSL CODIM-24V-96W	TRIAC	14.8 ft · 4.5 m
200 W	LCPSL CODIM-24V-200W	TRIAC	30.9 ft · 9.4 m
300 W	LCPSL CODIM-24V-300W	TRIAC	46.3 ft · 14.1 m
96 W	LCPSL CODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	14.8 ft · 4.5 m
192 W	LCPSL CODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	29.6 ft · 9.0 m
288 W	LCPSL CODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	44.5 ft · 13.6 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

² Custom (LED Builder), sold by the inch: LCSOU24V-17W-DTW = dim to warm 2400K-4000K.



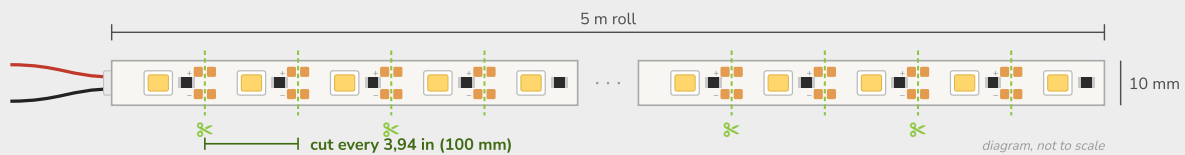
COLORS



Red, green, blue



DIMENSIONS AND CUT POINTS



EVERY COLOR

A 24 V RGB LED strip at 14.4 W/m for colorful accent lighting, with 60 5050 LEDs per meter and a 120° beam angle. It cuts every 100 mm and is driven by an RGB receiver with a wireless remote or wall controller. Available indoor IP22 and waterproof IP66, in 5 m and 30 m rolls, and also in 12 V (IP22).

FEATURES

- SMD 5050 chips, 60 LEDs/m.
- Red, green and blue mixed at will.
- Cuts every 100 mm (6 LEDs).
- Maximum run: 10 m.
- Lifespan: 50,000+ hours.
- Indoor IP22 or waterproof IP66.

PHYSICAL

Chip	SMD 5050
LEDs per meter	60
PCB width	10 mm
Copper weight	3 oz
Cut	every 100 mm (6 LEDs)
Protection rating	IP22 · IP66
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC · 12 V DC
Power (±10%)	14.4 W/m · 4.39 W/ft
Per 5 m roll	72 W
Efficacy (IP66)	30 lm/W
Flux per meter (IP66)	432 lm/m
Flux per foot (IP66)	132 lm/ft
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$14.4 \text{ W/m} \div 3.28 = 4.39 \text{ W/ft}$$

2 Strip load

$$16 \text{ ft} \times 4.39 \text{ W/ft} = 70.2 \text{ W}$$

3 Load at 80% max

$$70.2 \text{ W} \div 0.80 = 87.8 \text{ W} \rightarrow 96 \text{ W}$$

Example: 16 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

CUSTOM FABRICATION Get a quote in minutes: LED Builder · ledco.ca/en/custom

ORDERING

Build the product code

1 Series LCLS24V-72W 24 V, 14.4 W/m LCLS12V-72W 12 V, 14.4 W/m LCLS12V-72W-RGB 12 V, 14.4 W/m	2 Color RGB red, green, blue	3 Rating IP22 indoor IP66 waterproof (24 V)	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE	LCLS24V-72W	-	RGB	-	IP22	-	30M
	24 V, 14.4 W/m		RGB		IP22		30 m roll

PRODUCT RANGE — ALL CODES

Color	24 V · IP22	24 V · IP66	12 V · IP22
—	LCLS24V-72W-RGB-IP22 30 m: -30M	LCLS24V-72W-RGB-IP66 30 m: -30M	LCLS12V-72W-RGB-IP22 30 m: -30M

COMPATIBLE ALUMINUM PROFILES (10 mm strip)

#84	#85	#90	#91	#49	#50	#81	#87
#86	#88	#89	#97	#315	Drywall Apsis	Drywall Latus	Drywall Sulcus

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSL CODIM-24V-24W	TRIAC	4.4 ft · 1.3 m
48 W	LCPSL CODIM-24V-48W	TRIAC	8.7 ft · 2.7 m
96 W	LCPSL CODIM-24V-96W	TRIAC	17.5 ft · 5.3 m
200 W	LCPSL CODIM-24V-200W	TRIAC	36.5 ft · 11.1 m
300 W	LCPSL CODIM-24V-300W	TRIAC	54.7 ft · 16.7 m
96 W	LCPSL CODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	17.5 ft · 5.3 m
192 W	LCPSL CODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	35.0 ft · 10.7 m
288 W	LCPSL CODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	52.5 ft · 16.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

12 V: same calculation with the 12 V dimmable power supplies (LCPSL CODIM-12V-24W, -48W, -96W), loaded at 80% max.

² Custom (LED Builder), sold by the inch: LCSOU24V-72W-RGB = RGB IP22 · IP66: add -W (LCSOU24V-72W-RGB-W).

12 V version in IP22 only: LCLS12V-72W-RGB-IP22 (5 m) and LCLS12V-72W-RGB-IP22-30M (30 m).

Voltage drop: 12 V / 24 V chart in the product documents.



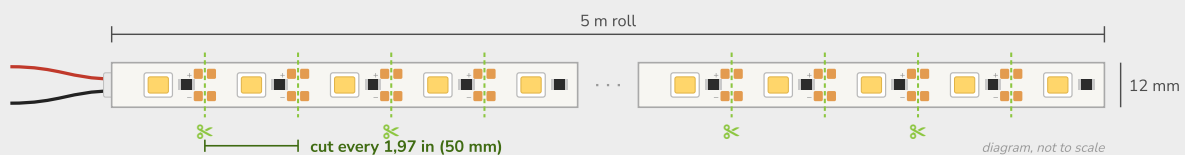
COLORS



RGB + 2700K to 4000K white



DIMENSIONS AND CUT POINTS



COLOR AND WHITE IN ONE

A 24 V RGBW LED strip at 19.2 W/m that combines multicolor accent lighting and true white light on a single strip. Each 5050 LED carries four independent channels — red, green, blue and white — and the strip cuts every 50 mm. Available indoor IP22 and waterproof IP66, in 5 m and 30 m rolls, with a 2700K, 3000K, 3500K or 4000K white.

FEATURES

- SMD 5050 RGBW chips, 120 LEDs/m.
- CRI 90+, 120° beam angle.
- Four channels: red, green, blue and white.
- Cuts every 50 mm (6 LEDs).
- Lifespan: 50,000+ hours.
- Indoor IP22 or waterproof IP66.

PHYSICAL

Chip	SMD 5050 RGBW (4-in-1)
LEDs per meter	120
PCB width	12 mm
Copper weight	3 oz
Cut	every 50 mm (6 LEDs)
Protection rating	IP22 · IP66
Operating temperature	-25 °C to 60 °C
Leads	AWG20 silicone, 15 cm at both ends
Mounting	3M 9495LE adhesive
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC · 12 V DC
Power (±10%)	19.2 W/m · 5.85 W/ft
Per 5 m roll	96 W
Luminous flux (white)	950 lm/m
CRI	90+
Beam angle	120°
Dimming	DMX · PWM · RF PWM · 0-10V

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $19.2 \text{ W/m} \div 3.28 = 5.85 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 5.85 \text{ W/ft} = 70.2 \text{ W}$

3 Load at 80% max
 $70.2 \text{ W} \div 0.80 = 87.8 \text{ W} \rightarrow 96 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-96W 24 V, 19.2 W/m LCLS12V-96W-RGBW 12 V, 19.2 W/m	2 Color RGBW27K RGB + 2700K white RGBW30K RGB + 3000K white RGBW35K RGB + 3500K white RGBW40K RGB + 4000K white	3 Rating IP22 indoor IP66 waterproof	4 Roll (none) 5 m 30M 30 m Custom by the inch ²
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EXAMPLE **LCLS24V-96W** - **RGBW30K** - **IP22** - **30M**
 24 V, 19.2 W/m RGB + 3000K white IP22 30 m roll

PRODUCT RANGE — ALL CODES

Color	24 V · IP22	24 V · IP66	12 V · IP66
 2700K	LCLS24V-96W-RGBW27K-IP22 30 m: -30M	LCLS24V-96W-RGBW27K-IP66 30 m: -30M	—
 3000K	LCLS24V-96W-RGBW30K-IP22 30 m: -30M	LCLS24V-96W-RGBW30K-IP66 30 m: -30M	—
 3500K	LCLS24V-96W-RGBW35K-IP22 30 m: -30M	LCLS24V-96W-RGBW35K-IP66	—
 4000K	LCLS24V-96W-RGBW40K-IP22 30 m: -30M	LCLS24V-96W-RGBW40K-IP66 30 m: -30M	LCLS12V-96W-RGBW40K-IP66 30 m: -30M

CUSTOM FABRICATION [Get a quote in minutes: LED Builder · ledco.ca/en/custom](#)

COMPATIBLE ALUMINUM PROFILES (12 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	3.3 ft · 1.0 m
48 W	LCPSLCODIM-24V-48W	TRIAC	6.6 ft · 2.0 m
96 W	LCPSLCODIM-24V-96W	TRIAC	13.1 ft · 4.0 m
200 W	LCPSLCODIM-24V-200W	TRIAC	27.3 ft · 8.3 m
300 W	LCPSLCODIM-24V-300W	TRIAC	41.0 ft · 12.5 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	13.1 ft · 4.0 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.2 ft · 8.0 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	39.4 ft · 12.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

12 V: same calculation with the 12 V dimmable power supplies (LCPSLCODIM-12V-24W, -48W, -96W), loaded at 80% max.

² Custom (LED Builder), sold by the inch: LCSOU24V-RGBW-30K-IP22 = RGB + 3000K IP22 · IP22 also in 27K, 35K (LCSOU24V-RGBW35K-IP22) and 40K · IP66: LCSOU24V-RGBW27K-IP66, LCSOU24V-RGBW-30K-IP66, LCSOU24V-RGBW-40K-IP66 (no 3500K).

Voltage drop: 12 V / 24 V chart in the product documents.

12 V (LCLS12V-96W-RGBW, waterproof IP66): 10 mm PCB, cut every 50 mm.



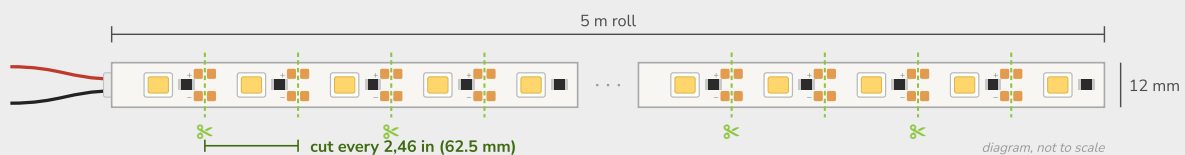
COLORS



RGB + 2700K, 3000K or 4000K white



DIMENSIONS AND CUT POINTS



OUR MOST POWERFUL RGBW

A 24 V RGBW LED strip at 23 W/m, the most powerful of our RGBW strips, for multicolor ambiance and high-output white on a single strip. Its 96 LEDs per meter carry four channels — red, green, blue and white — and it cuts every 62.5 mm. Indoor IP22, in 5 m rolls, with a 2700K, 3000K or 4000K white.

FEATURES

- 96 LEDs/m, SMD 5050 RGBW chips.
- CRI 80+, 120° beam angle.
- Four channels: red, green, blue and white.
- Cuts every 62.5 mm.
- Maximum run: 10 m.
- Lifespan: 50,000+ hours.

PHYSICAL

Chip	SMD 5050 RGBW
LEDs per meter	96
PCB width	12 mm
Copper weight	3 oz
Cut	every 62.5 mm
Protection rating	IP22
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power (±10%)	23 W/m · 7.01 W/ft
Per 5 m roll	115 W
CRI	80+
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $23 \text{ W/m} \div 3.28 = 7.01 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 7.01 \text{ W/ft} = 84.1 \text{ W}$

3 Load at 80% max
 $84.1 \text{ W} \div 0.80 = 105.2 \text{ W} \rightarrow 200 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-200W (200 W dimmable, 24 V).

CUSTOM FABRICATION [Get a quote in minutes: LED Builder · ledco.ca/en/custom](#)

ORDERING

Build the product code

1 Series

LCLS24V-23W-RGBW 24 V, 23 W/m

2 Color

27K RGB + 2700K white
30K RGB + 3000K white
40K RGB + 4000K white

3 Roll

(none) 5 m
Custom by the inch ²

EXAMPLE **LCLS24V-23W-RGBW - 30K**
 24 V, 23 W/m, RGBW RGB + 3000K white

PRODUCT RANGE — ALL CODES

Color	Code
 2700K	LCLS24V-23W-RGBW-27K
 3000K	LCLS24V-23W-RGBW-30K
 4000K	LCLS24V-23W-RGBW-40K

COMPATIBLE ALUMINUM PROFILES (12 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSL CODIM-24V-24W	TRIAC	2.7 ft · 0.8 m
48 W	LCPSL CODIM-24V-48W	TRIAC	5.5 ft · 1.7 m
96 W	LCPSL CODIM-24V-96W	TRIAC	11.0 ft · 3.3 m
200 W	LCPSL CODIM-24V-200W	TRIAC	22.8 ft · 7.0 m
300 W	LCPSL CODIM-24V-300W	TRIAC	34.2 ft · 10.4 m
96 W	LCPSL CODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	11.0 ft · 3.3 m
192 W	LCPSL CODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	21.9 ft · 6.7 m
288 W	LCPSL CODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	32.9 ft · 10.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

² Custom (LED Builder), sold by the inch: LCSOU24V-23W-RGBW-30 = RGB + 3000K · LCSOU24V-23W-RGBW-40 = RGB + 4000K (no 2700K).
 Voltage drop: 12 V / 24 V chart in the product documents.



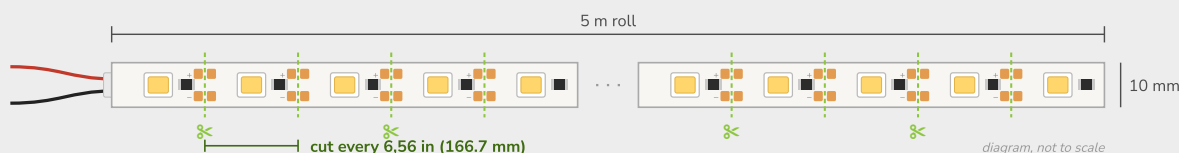
COLORS



RGB + 3000K white



DIMENSIONS AND CUT POINTS



THE AMBIENT RGBW

A 24 V RGBW LED strip at 9 W/m that combines multicolor accent lighting and a 3000K warm white on a single strip. Its 5050 LEDs carry four independent channels — red, green, blue and white — and it cuts every 166.67 mm. Indoor IP22, in 5 m rolls.

FEATURES

- SMD 5050 RGBW chips, 30 LEDs/m.
- CRI 80+, 120° beam angle.
- Four channels: red, green, blue and 3000K white.
- Cuts every 166.67 mm.
- Lifespan: 50,000+ hours.
- Indoor IP22.

PHYSICAL

Chip	SMD 5050 RGBW
LEDs per meter	30
PCB width	10 mm
Board	3 oz, white
Cut	every 166.67 mm (5 LEDs)
Protection rating	IP22
Operating temperature	-25 °C to 60 °C
Mounting	3M double-sided tape
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC, constant voltage
Power (±10%)	9 W/m · 2.74 W/ft
Per 5 m roll	45 W
CRI	80+
Beam angle	120°
Dimming	DMX · PWM · RF PWM · 0-10V

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$9 \text{ W/m} \div 3.28 = 2.74 \text{ W/ft}$$

2 Strip load

$$20 \text{ ft} \times 2.74 \text{ W/ft} = 54.9 \text{ W}$$

3 Load at 80% max

$$54.9 \text{ W} \div 0.80 = 68.6 \text{ W} \rightarrow 96 \text{ W}$$

Example: 20 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-9W-RGBW 24 V, 9 W/m	2 Color 30K RGB + 3000K white	3 Rating IP22 indoor	4 Roll (none) 5 m
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EXAMPLE	LCLS24V-9W-RGBW – 30K – IP22
	24 V, 9 W/m, RGBW RGB + 3000K white IP22

PRODUCT RANGE — ALL CODES

Color	IP22
 3000K	LCLS24V-9W-RGBW-30K-IP22

COMPATIBLE ALUMINUM PROFILES (10 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	7.0 ft · 2.1 m
48 W	LCPSLCODIM-24V-48W	TRIAC	14.0 ft · 4.3 m
96 W	LCPSLCODIM-24V-96W	TRIAC	28.0 ft · 8.5 m
200 W	LCPSLCODIM-24V-200W	TRIAC	58.3 ft · 17.8 m
300 W	LCPSLCODIM-24V-300W	TRIAC	87.5 ft · 26.7 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	28.0 ft · 8.5 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	56.0 ft · 17.1 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	84.0 ft · 25.6 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

Voltage drop: 12 V / 24 V chart in the product documents.



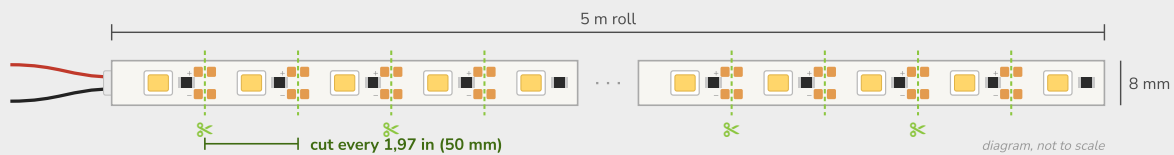
COLORS



RGB + 3000K white, addressable



DIMENSIONS AND CUT POINTS



EVERY PIXEL ON ITS OWN

A 24 V RGBW pixel LED strip at 19 W/m whose diodes are individually addressable through the UCS2904 IC, for animated sequences, chases and moving gradients. Its 3000K white channel adds warm white light to the color effects, on a single strip. It requires a dedicated pixel controller; indoor IP22, in 5 m rolls.

FEATURES

- Addressable diodes, UCS2904 IC.
- SMD 5050 RGBW chips, 3000K white.
- 120° beam angle.
- Dedicated pixel controller required.
- Lifespan: 50,000+ hours.
- Indoor IP22.

PHYSICAL

Chip	SMD 5050 RGBW
Control IC	UCS2904
PCB width	8 mm
Cut	every 50 mm
Protection rating	IP22
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power	19 W/m · 5.79 W/ft
Per 5 m roll	95 W
Beam angle	120°
Control	UCS2904 pixel controller only

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $19 \text{ W/m} \div 3.28 = 5.79 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 5.79 \text{ W/ft} = 69.5 \text{ W}$

3 Load at 80% max
 $69.5 \text{ W} \div 0.80 = 86.9 \text{ W} \rightarrow 96 \text{ W}$

Example: 12 ft of strip → LCPSL CODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

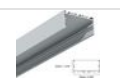
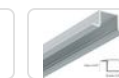
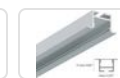
1 Series LCLS24V-19W-PIX 24 V, 19 W/m, pixel	2 Color RGBW-30K RGB + 3000K white	3 Rating IP22 indoor	4 Roll (none) 5 m Custom by the inch ²
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EXAMPLE	LCLS24V-19W-PIX – RGBW-30K – IP22
	24 V, 19 W/m, pixel RGB + 3000K white IP22

PRODUCT RANGE — ALL CODES

Color	IP22
 3000K	LCLS24V-19W-PIX-RGBW-30K-IP22

COMPATIBLE ALUMINUM PROFILES (8 mm strip)

										
#80	#84	#85	#90	#91	#49	#50	#81	#87	#86	#88
										
#89	#95	#96	#97	#315	Drywall Apsis	Drywall Latus	Drywall Sulcus			

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	3.3 ft · 1.0 m
48 W	LCPSLCODIM-24V-48W	TRIAC	6.6 ft · 2.0 m
96 W	LCPSLCODIM-24V-96W	TRIAC	13.3 ft · 4.0 m
200 W	LCPSLCODIM-24V-200W	TRIAC	27.6 ft · 8.4 m
300 W	LCPSLCODIM-24V-300W	TRIAC	41.4 ft · 12.6 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	13.3 ft · 4.0 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.5 ft · 8.1 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	39.8 ft · 12.1 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

ACCESSORIES

Code	Description	Sold
 LCREMOTE-RGBW-PIXEL	Remote and receiver kit for RGBW pixel strip (addressable effects)	each

² Custom length, sold by the inch: LCSOU24V-19W-PIX-RGBW-30K-IP22 = RGB + 3000K white IP22, on request from our team.
 Not compatible with W21, R21, W24, R24 controllers or 120 V dimmers.
 Voltage drop: 12 V / 24 V chart in the product documents.

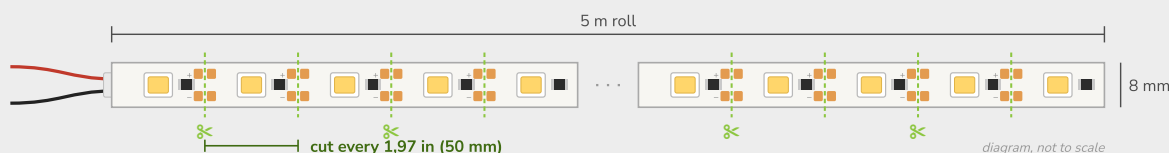


WAVELENGTH

UVA 360 to 410 nm (peak 400 to 410 nm)



DIMENSIONS AND CUT POINTS



BLACK LIGHT IN A STRIP

A 24 V LED strip at 6 W/m emitting ultraviolet A light between 360 and 410 nm. It is used for black-light and fluorescence effects, inspection and detection, curing certain resins, and as a supplement to grow lighting. It is not a germicidal UVC: it does not sterilize and is for dry indoor locations only.

FEATURES

- UVA 360 to 410 nm, peak 400 to 410 nm.
- SMD 2835 chips, 60 LEDs per meter.
- Fluorescence, inspection, curing.
- Cuts every 50 mm (3 LEDs).
- Lifespan: 50,000 hours.
- Dry indoor locations only.

PHYSICAL

Chip	SMD 2835
LEDs per meter	60
PCB width	8 mm
Copper weight	3 oz
Cut	every 50 mm (3 LEDs)
Adhesive	3M 9495LE 300MP
Protection rating	IP22 · dry indoor
Lifespan	50,000 h

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power	6 W/m · 1.83 W/ft
Per 5 m roll	30 W
Wavelength	360 to 410 nm (peak 400 to 410 nm)
Intensity	400 to 600 mcd per LED

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot

$$6 \text{ W/m} \div 3.28 = 1.83 \text{ W/ft}$$

2 Strip load

$$20 \text{ ft} \times 1.83 \text{ W/ft} = 36.6 \text{ W}$$

3 Load at 80% max

$$36.6 \text{ W} \div 0.80 = 45.7 \text{ W} \rightarrow 48 \text{ W}$$

Example: 20 ft of strip → LCPSLCODIM-24V-48W (48 W dimmable, 24 V).

ORDERING

Build the product code

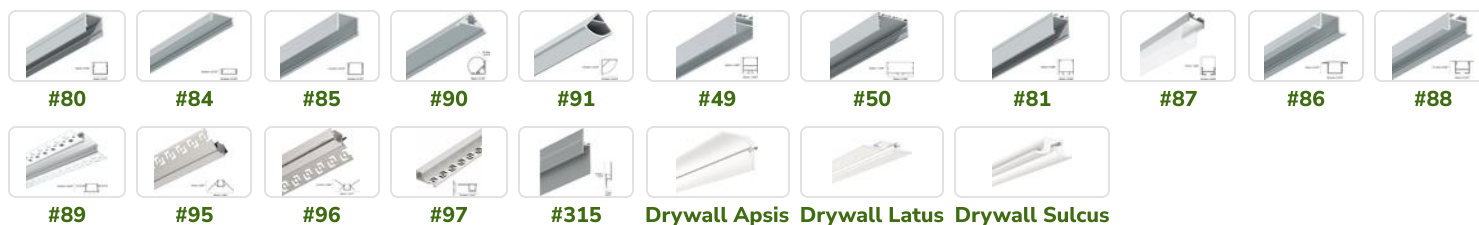
1 Series LCLS24VUV-6W 24 V, 6 W/m UVA	2 Wavelength 410NM UVA 360 to 410 nm	3 Rating IP22 indoor	4 Roll (none) 5 m
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EXAMPLE	LCLS24VUV-6W - 410NM - IP22
	24 V, 6 W/m UVA 360 to 410 nm indoor

PRODUCT RANGE — ALL CODES

Color	IP22
UV 410 nm	LCLS24VUV-6W-410NM-IP22

COMPATIBLE ALUMINUM PROFILES (8 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSLCODIM-24V-24W	TRIAC	10.5 ft · 3.2 m
48 W	LCPSLCODIM-24V-48W	TRIAC	21.0 ft · 6.4 m
96 W	LCPSLCODIM-24V-96W	TRIAC	42.0 ft · 12.8 m
200 W	LCPSLCODIM-24V-200W	TRIAC	87.5 ft · 26.7 m
300 W	LCPSLCODIM-24V-300W	TRIAC	131.2 ft · 40.0 m
96 W	LCPSLCODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	42.0 ft · 12.8 m
192 W	LCPSLCODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	84.0 ft · 25.6 m
288 W	LCPSLCODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	126.0 ft · 38.4 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

UV safety glasses recommended when installing or servicing near the lit strip.
In horticulture: a supplement to a main grow light only, not a sufficient source for photosynthesis.
Voltage drop: 12 V / 24 V chart in the product documents.

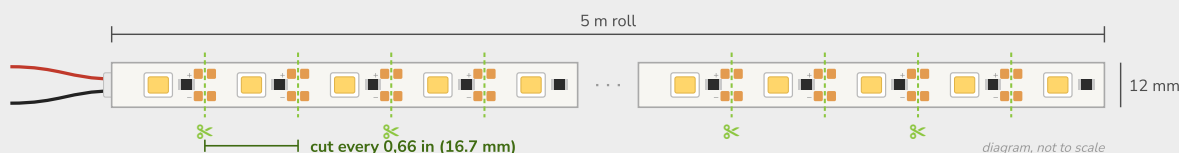


COLOR TEMPERATURES

3000K



DIMENSIONS AND CUT POINTS



SOFT, DOT-FREE LIGHT

A 24 V wall washer LED strip at 24 W/m with diffuse reflection: each LED shines into a reflector that spreads the light over 170°, for a soft line of light with no visible dots, even without a lens. In 3000K with CRI 90+, it delivers 2,250 to 2,400 lm/m, cuts at every LED (16.7 mm) and ships in 5 m and 10 m rolls. For dry indoor locations.

FEATURES

- Diffuse reflection: 170° beam angle.
- 2,250 to 2,400 lm/m, CRI 90+.
- Cuts at every LED (16.7 mm).
- Dimmable.
- 5 m and 10 m rolls, thermal tape.
- For dry indoor locations (IP20).

PHYSICAL

Chip	SMD 2835, diffuse reflection
LEDs per meter	60
PCB width	12 mm
Height	5 mm
Cut	every 16.7 mm (1 LED)
Mounting	thermally conductive tape
Protection rating	IP20 · dry indoor
Lifespan	50,000 h

ELECTRICAL AND OPTICAL

Voltage	24 V DC
Power	24 W/m · 7.32 W/ft
Per 10 m roll	240 W
Efficacy	93.8 to 100 lm/W
Flux per meter	2,250 to 2,400 lm/m
Flux per foot	686 to 732 lm/ft
Color temperature	3000K
CRI	90+
Beam angle	170°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $24 \text{ W/m} \div 3.28 = 7.32 \text{ W/ft}$

2 Strip load
 $12 \text{ ft} \times 7.32 \text{ W/ft} = 87.8 \text{ W}$

3 Load at 80% max
 $87.8 \text{ W} \div 0.80 = 109.7 \text{ W} \rightarrow 200 \text{ W}$

Example: 12 ft of strip → LCPSLCODIM-24V-200W (200 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-OPT-24W 24 V, 24 W/m, wall washer	2 Color 30K 3000K	3 Rating IP22 indoor	4 Roll (none) 5 m 10M 10 m
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EXAMPLE **LCLS24V-OPT-24W** - **30K** - **IP22**
 24 V, 24 W/m, wall washer 3000K indoor

PRODUCT RANGE — ALL CODES

Color IP22

3000K

LCLS24V-OPT-24W-30K-IP22
 10 m: -10M

COMPATIBLE ALUMINUM PROFILES (12 mm strip)



24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSL CODIM-24V-24W	TRIAC	2.6 ft · 0.8 m
48 W	LCPSL CODIM-24V-48W	TRIAC	5.2 ft · 1.6 m
96 W	LCPSL CODIM-24V-96W	TRIAC	10.5 ft · 3.2 m
200 W	LCPSL CODIM-24V-200W	TRIAC	21.9 ft · 6.7 m
300 W	LCPSL CODIM-24V-300W	TRIAC	32.8 ft · 10.0 m
96 W	LCPSL CODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	10.5 ft · 3.2 m
192 W	LCPSL CODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	21.0 ft · 6.4 m
288 W	LCPSL CODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	31.5 ft · 9.6 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

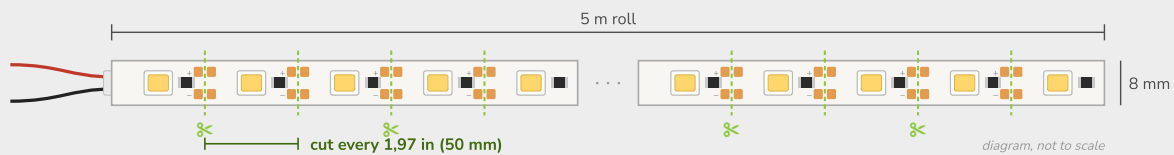
240 W per 10 m roll: use a power supply of at least 300 W (80% load) or feed from two points.
 Voltage drop: 12 V / 24 V chart in the product documents.



COLOR TEMPERATURES



DIMENSIONS AND CUT POINTS



THE STRIP THAT BENDS

A 24 V zigzag LED strip at 9.6 W/m that bends sideways to follow curves, corners, letters and shapes with no dark spots. Dimmable, it delivers 960 to 1,000 lm/m with a CRI of 92+ and cuts every 50 mm. For dry indoor locations (IP20), in 5 m rolls, in 3000K or 6000K white.

FEATURES

- Bends sideways: curves, corners, letters.
- SMD 2835 chips, 120 LEDs/m, CRI 92+.
- Dimmable.
- Cuts every 50 mm (6 LEDs).
- Maximum run: 10 m.
- Lifespan: 50,000+ hours.

PHYSICAL

Chip	SMD 2835
LEDs per meter	120
PCB width	8 mm
Thickness	2 mm
Board	3 oz, white
Cut	every 50 mm (6 LEDs)
Protection rating	IP20 · dry indoor
Mounting	3M double-sided tape
Lifespan	50,000 h +

ELECTRICAL AND OPTICAL

Voltage	24 V DC, constant voltage
Power (±10%)	9.6 W/m · 2.93 W/ft
Per 5 m roll	48 W
Efficacy	100 to 104 lm/W
Flux per meter	960 to 1,000 lm/m
Flux per foot	293 to 305 lm/ft
CRI	92+
SDCM	< 5
Beam angle	120°
Dimmable	Yes
Max. run	10 m

CHOOSING THE POWER SUPPLY: THE WATTS-PER-FOOT LOGIC

1 Watts per foot
 $9.6 \text{ W/m} \div 3.28 = 2.93 \text{ W/ft}$

2 Strip load
 $20 \text{ ft} \times 2.93 \text{ W/ft} = 58.5 \text{ W}$

3 Load at 80% max
 $58.5 \text{ W} \div 0.80 = 73.2 \text{ W} \rightarrow 96 \text{ W}$

Example: 20 ft of strip → LCPSLCODIM-24V-96W (96 W dimmable, 24 V).

ORDERING

Build the product code

1 Series LCLS24V-ZIGZAG-48W 24 V, 9.6 W/m, zigzag	2 Color 30K 3000K 60K 6000K	3 Rating IP22 indoor	4 Roll (none) 5 m
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EXAMPLE	LCLS24V-ZIGZAG-48W - 30K - IP22
	24 V, 9.6 W/m, zigzag 3000K IP22

PRODUCT RANGE — ALL CODES

Color	IP22
3000K	LCLS24V-ZIGZAG-48W-30K-IP22
6000K	LCLS24V-ZIGZAG-48W-60K-IP22

COMPATIBLE ALUMINUM PROFILES (8 mm strip)

#80	#84	#85	#90	#91	#49	#50	#81	#87	#86	#88
#89	#95	#96	#97	#315	Drywall Apsis	Drywall Latus	Drywall Sulcus			

24 V DIMMABLE POWER SUPPLIES — MAXIMUM STRIP LENGTH (80% LOAD)

Power	Code	Dimming	Maximum strip
24 W	LCPSL CODIM-24V-24W	TRIAC	6.6 ft · 2.0 m
48 W	LCPSL CODIM-24V-48W	TRIAC	13.1 ft · 4.0 m
96 W	LCPSL CODIM-24V-96W	TRIAC	26.2 ft · 8.0 m
200 W	LCPSL CODIM-24V-200W	TRIAC	54.7 ft · 16.7 m
300 W	LCPSL CODIM-24V-300W	TRIAC	82.0 ft · 25.0 m
96 W	LCPSL CODIM-5IN1-24V-96W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	26.2 ft · 8.0 m
192 W	LCPSL CODIM-5IN1-24V-192W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	52.5 ft · 16.0 m
288 W	LCPSL CODIM-5IN1-24V-288W-IP67	5-in-1: TRIAC, 0-10 V, 1-10 V, PWM, resistance	78.7 ft · 24.0 m

Beyond 10 m (32.8 ft) in one run, feed from several points (maximum run). The 192 W and 288 W 5-in-1 units have multiple outputs.

Powered from both ends, the maximum run doubles.
 Voltage drop: 12 V / 24 V chart in the product documents.