

PRECISE

WHERE PRECISION MEETS PERFECTION IN EVERY CUT AND CORNER...



1/4" CUT TECHNOLOGY



Let the light follow your design to the millimeter with Lumentruss Precise technology. Our new LED platform redefines flexibility, allowing you to cut every 1/4" with pinpoint accuracy – ensuring a seamless, tailored fit for any application. Designed for precision and performance, Precise™ delivers high efficacy, reduced heat output, and unmatched color consistency, all in an ultra-compact form factor.

PRODUCT FEATURES





- Can be cut every 1/4" (6.35mm) for optimal fitting without dark spots
- High efficacy 120 lm/W LED platform
- 1W LEDs generate less heat permitting longer runs without voltage drops
- 1.5 step McAdam
- Six color temperatures available: 2400K, 2700K, 3000K, 3500K, 4000K, 5000K
- 3 W/ft and 6 W/ft options are available
- 160 LEDs per meter (48 LEDs per foot)
- 8 mm (5/16 inches) wide
- 4.88m (16 feet) roll
- Compatible with our broad range of channel extrusions and lenses
- VHB double-sided adhesive back for unsurpassed grip

PARAMETERS



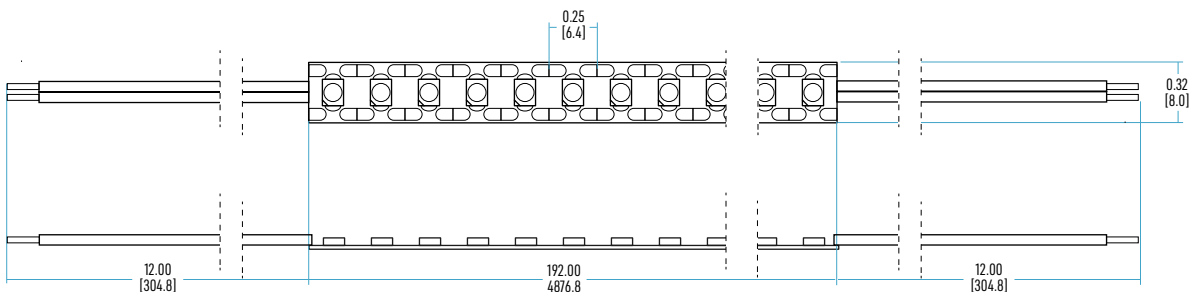
SMD type	2835	
Quantity of LED chips	160 LED/m	48 LED/ft
LED strip increment	6.35mm	1/4"
LED strip width	8mm	5/16"
LED strip length (roll)	4.88m	16'
Ambient temperature	-20°C to 45°C	-4°F to 113°F
Lifespan	50000Hrs	

	3W		6W	
Voltage	24V DC		24V DC	
CRI	90+		90+	
R9	60+		60+	
Efficacy (nominal)	120 lm/W		120 lm/W	
Rated power	9.8 W/m	3 W/ft	19.7 W/m	6 W/ft
Flux (nominal)	1180 lm/m	360 lm/ft	2330 lm/m	710 lm/ft

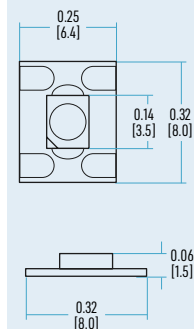
CCT	3W			6W		
	Flux, Lm/m	Flux, Lm/ft	Efficacy	Flux, Lm/m	Flux, Lm/ft	Efficacy
 2400K	1033 lm/m	315 lm/ft	106 lm/W	2001 lm/m	610 lm/ft	105 lm/W
 2700K	1132 lm/m	345 lm/ft	118 lm/W	2165 lm/m	660 lm/ft	116 lm/W
 3000K	1175 lm/m	358 lm/ft	120 lm/W	2264 lm/m	690 lm/ft	120 lm/W
 3500K	1175 lm/m	358 lm/ft	123 lm/W	2330 lm/m	710 lm/ft	120 lm/W
 4000K	1198 lm/m	365 lm/ft	124 lm/W	2362 lm/m	720 lm/ft	129 lm/W
 5000K	1214 lm/m	370 lm/ft	131 lm/W	2422 lm/m	738 lm/ft	130 lm/W

DIMENSIONS

Scale 1:1



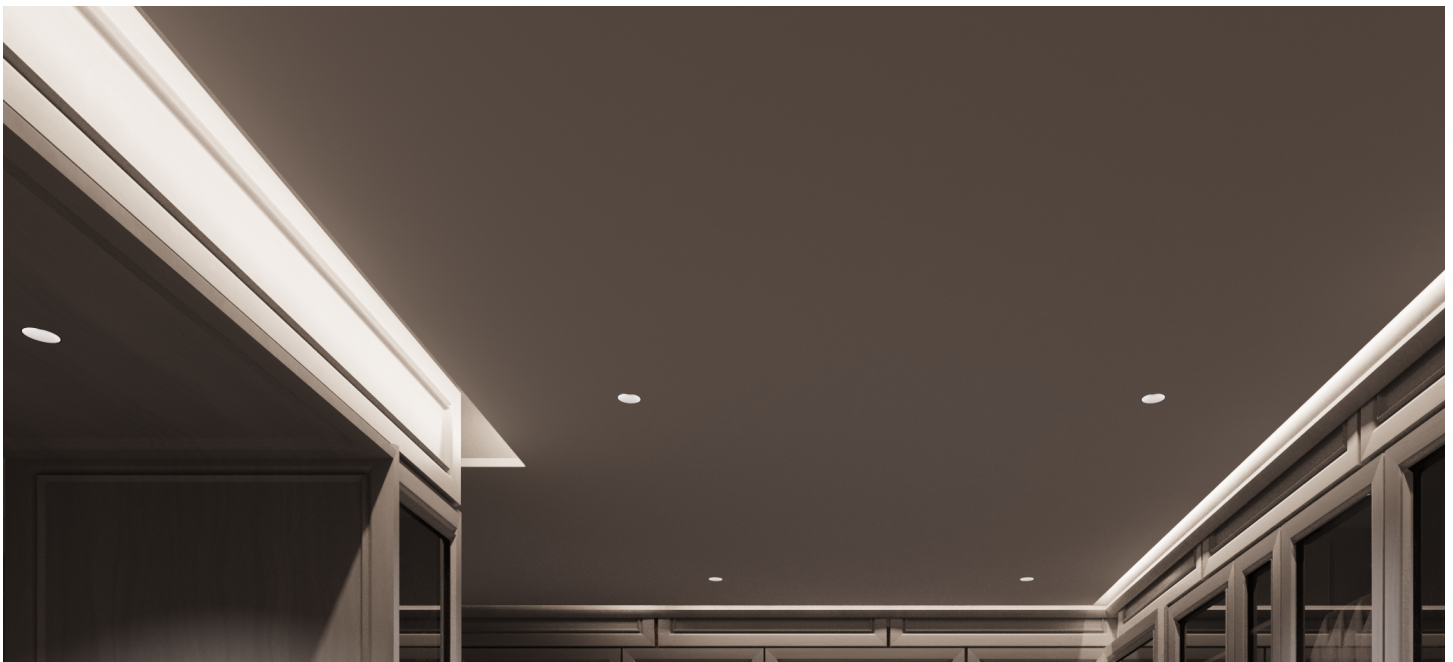
Scale 2:1



PRECISE APPLICATIONS - WHERE PRECISION IS KEY



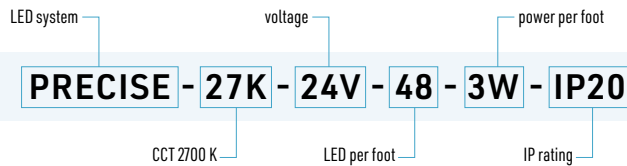
PRECISE APPLICATIONS - WHERE PRECISION MEETS EFFICIENCY



ORDERING SHEET

PRECISE LED STRIP 3W				
Part number	Length	LM-code	CCT	Quantity
PRECISE-24K-24V-48-3W-IP20	16ft / 4.88m	lm28997-01	2400K	
PRECISE-27K-24V-48-3W-IP20	16ft / 4.88m	lm28997-02	2700K	
PRECISE-30K-24V-48-3W-IP20	16ft / 4.88m	lm28997-03	3000K	
PRECISE-35K-24V-48-3W-IP20	16ft / 4.88m	lm28997-04	3500K	
PRECISE-40K-24V-48-3W-IP20	16ft / 4.88m	lm28997-05	4000K	
PRECISE-50K-24V-48-3W-IP20	16ft / 4.88m	lm28997-06	5000K	

PRECISE LED STRIP 6W				
Part number	Length	LM-code	CCT	Quantity
PRECISE-24K-24V-48-6W-IP20	16ft / 4.88m	lm28997-21	2400K	
PRECISE-27K-24V-48-6W-IP20	16ft / 4.88m	lm28997-22	2700K	
PRECISE-30K-24V-48-6W-IP20	16ft / 4.88m	lm28997-23	3000K	
PRECISE-35K-24V-48-6W-IP20	16ft / 4.88m	lm28997-24	3500K	
PRECISE-40K-24V-48-6W-IP20	16ft / 4.88m	lm28997-25	4000K	
PRECISE-50K-24V-48-6W-IP20	16ft / 4.88m	lm28997-26	5000K	

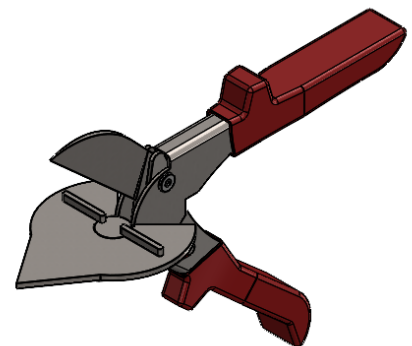


PRECISECUT

Precision Cutting, Every Time.

Take your installation to the next level with our professional-grade shear cutter. Engineered for precision, this tool delivers clean, effortless cuts on both LED tape and silicone sleeves, ensuring a flawless finish. With an adjustable cutting angle, it offers flexibility for custom applications while maintaining accuracy. The perfect add-on for seamless lighting integration.

Quantity:















COMPATIBLE EXTRUSIONS AND DIFFUSORS

LEGEND:

+++ Best visual comfort from possible options, recommended for use in direct view applications

++ Good visual comfort, can be used for direct view applications

+ Compatible option, not recommended for direct view applications, may be used in applications without the direct view of the light source (coves, shelving, toe-kick, etc.)

SURFACE	DIFFUSORS											
	clear	optiflex	prime	opal	black	3D opal	3D prime	silicone	ETE* prime	ETE* opal	ETE* black	focus
1100  0.74" x 0.20"	+	+	++	+++	+	++		+++				
1200  0.74" x 0.45"	+	+	++	+++	+			+++				
1400  0.74" x 0.67"	+	+	++	+++	+	++		+++				
1450  0.925" x 1"			++	+++	+		++		+		+	
1690  1.57" x 0.63"	+	+	++	+++								
4400  0.48" x 0.48"	+			+	+			+++				
4450  0.48" x 0.44"								+++	+	+		
4500  0.63" x 0.56"	+			++	+			++				
5560  0.71" x 0.16"				+								
6100  1.12" x 0.49"			+	+								+
8800  1.65" x 1.65"		+	+++	+++	-							
9400  1.63" x 1.63"		++	+++	+++	+							





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



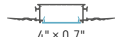

SURFACE ASYMMETRIC	DIFFUSORS					
	clear	optiflex	prime	opal	black	silicone
1650  1.46" x 0.72"	+	+	++	+++	+	
4200  0.51" x 0.51"	+	+				
4250  0.97" x 0.63"				++		++
4260  0.51" x 0.51"				++		

CORNER 45 DEGREE	DIFFUSORS			
	optiflex	prime	opal	black
2000  0.79" x 0.79"	+	++	++	
2200  0.79" x 0.79"	+	++		+
2400  0.79" x 0.79"	+	++		+

SUSPENSION	DIFFUSORS									
	clear	optiflex	prime	opal	black	3D opal	3D prime	silicone	ETE* prime	ETE* black
1400  0.74" x 0.67"	+	+	++	+++	+	++		+++		
1450  0.925" x 1"			++	+++	+		++		+	+
8800  1.65" x 1.65"		+	+++	+++	-					
9400  1.63" x 1.63"		++	+++	+++	+					

CLOSET ROD	DIFFUSORS									
	clear	optiflex	prime	opal	black	3D opal	3D prime	silicone	ETE* prime	ETE* black
7850  Ø 1.30" x 1.19"	+	+	++	+++	+			+++		

COMPATIBLE EXTRUSIONS AND DIFFUSORS










RECESS & MUD-IN	DIFFUSORS					silicone
	clear	optiflex	prime	opal	black	
1300  1.03" x 0.45"	+	+	++	+++	+	+++
1500  1.34" x 0.67"	+	+	++	+++	+	+++
3150  2.91" x 0.67"			+++			+++
3200  5.35" x 0.67"			+++			+++
5100  0.86" x 0.43"				+		
5350  0.93" x 0.45"			++	+++	+	
5450  1.10" x 0.54"			++	++	+	
6900  1.73" x 4.14"			++			
6950  1.40" x 3.06"			++			
8510  1.85" x 2.32"			+++			
8540  3" x 2.98"			+++			
8550  4" x 1.85"			+++			
8870  4" x 0.7"			++		+	
8920  6.57" x 1.50"		+	++			

LEGEND:

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- ++ Good visual comfort, can be used for direct view applications
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Important!

NEAT can be dimmed to 0.1% (dimming below 50% may result in slight pixelation).

DRIVER	POWER	DIMM. PROTOCOL	DIMM. RANGE	INPUT	OUTPUT	LOCATION	DIMENSIONS	CERT.	SPECS	QTY
LTPS-NODIM-100 277VAC-CV-24V-96W-HW-DRBX	96W	No dimming	N/A	Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.74" x 1.57" 220mm x 95mm x 40mm	cULus		
LTPS-DIM-100-130VAC-CV-24V-25W-ELV-EN-DRBX	25W	TRIAC ELV MLV	0.1% - 100%	Enclosed	Enclosed	Dry, Damp	13.62" x 3.07" x 1.48" 346mm x 78mm x 37.5mm	cETLus		
LTPS-DIM-100-130VAC-CV-24V-50W-ELV-HW	50W			Enclosed	Enclosed	Dry, Damp	13.62" x 3.07" x 1.48" 346mm x 78mm x 37.5mm	cETLus		
LTPS-DIM-100-130VAC-CV-24V-96W-ELV-HW-DRBX	96W			Hardwire	Hardwire	Dry, Damp, Wet	14.96" x 3.03" x 2.24" 380mm x 77mm x 57mm	cETLus		
LTPS-DIM-100 277VAC-CV-24V-96W-UNIV-HW-DRBX	96W			Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.66" x 1.61" 220mm x 93mm x 41mm	cULus		
MINI-60W-24V-100 130VAC-TRIAC/ELV/MLV/BK-DRBX	60W			0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	5.00" x 3.22" x 1.64" 127mm x 82mm x 41.8mm	cULus	
MINI-96W-24V-100 130VAC-TRIAC/ELV/MLV/BK-DRBX	96W	Hardwire	Hardwire		Dry, Damp, Wet	5.00" x 3.22" x 1.64" 127mm x 82mm x 41.8mm	cULus			
LTPS-DIM-100 277VAC-CV-24V-96W-0-10V-HW-DRBX	96W	0 - 10V	0.1% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.66" x 1.61" 220mm x 93mm x 41mm	cULus		
LUTRON-HI-LUME-PREMIER-ECO	96W			Hardwire	Hardwire	Dry	10.51" x 5.51" x 2.01" 267mm x 140mm x 51mm	cULus		
LTC-96W-24V-200/347VAC-0-10V-BK	96W		0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	9.49" x 4.92" x 1.68" 241mm x 125mm x 42.7mm	cULus		
LTE-30W-24V-120 277VAC-TRIAC/0-10V-BK	30W	5 in 1 dimming: TRIAC ELV MLV 0-10V 1-10V	0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	6.71" x 4.59" x 1.65" 170.5mm x 116.5mm x 42mm	cULus		
LTE-60W-24V-120 277VAC-TRIAC/0-10V-BK	60W			Hardwire	Hardwire	Dry, Damp, Wet	7.74" x 4.07" x 1.57" 196.5mm x 103.4mm x 40mm	cULus		
LTE-96W-24V-120 277VAC-TRIAC/0-10V-BK	96W			Hardwire	Hardwire	Dry, Damp, Wet	7.74" x 4.07" x 1.57" 196.5mm x 103.4mm x 40mm	cULus		
LTPS-100 277VAC-CV-24V-192W-5IN1DIM-HW-DRBX	2 x 96W		0.1% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	10.95" x 4.33" x 1.91" 278mm x 110mm x 49mm	cULus		
LTPS-100 277VAC-CV-24V-288W-5IN1DIM-HW-DRBX	3 x 96W			Hardwire	Hardwire	Dry, Damp, Wet	11.93" x 4.33" x 1.91" 303mm x 110mm x 49mm	cULus		
LTD-96W-24V-120 277VAC-DALI2-BK	96W	DALI-2	0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	9.49" x 4.92" x 1.68" 241mm x 125mm x 42.7mm	cULus		

A Class 2 LED driver is designed to deliver a limited amount of electrical power to LED lighting fixtures. It refers to a set of safety standards established by the Canadian Electric Code (CEC) and the National Electrical Code (NEC), which governs the use of low-voltage power sources in buildings.

Class 2 LED drivers are important because they provide a safe and reliable power source for LED lighting systems. These drivers are designed to limit the amount of electrical current and voltage that is delivered to the LED fixtures, which helps to prevent electrical shock hazards and minimize the risk of fire or other electrical hazards.

Additionally, Class 2 LED drivers are typically more energy-efficient than other types of power supplies, which can help to reduce energy consumption and lower operating costs for LED lighting systems.