

Features

The LineLED WD68 is a small profile and high output Warm Dim light strip. LineLED WD68 follows the incandescent dimming curve from 2700K at full brightness down to 1900K at the lowest dim levels. Compatibility with MLV, ELV, and Incandescent dimmers simplifies installation for residential or hospitality applications. It is easily installed directly onto the mounting surface with double sided tape or within discrete aluminum extrusions to seamlessly blend into any space.



Mounting

LED strip is equipped with 3M™ self-adhesive tape.

Applications

Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

Operating voltage

24 VDC

Average Life (L70)

50,000 hours

Warranty

5 years

Approvals

Class 2 damp listed

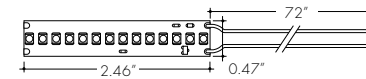


Technical information

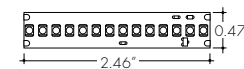
TYPE	LLWD68
OUTPUT OPTIONS	19K-27K
Lumens Output (3000k)	348 lm/ft
Average Power Consumption (for a 4' section)	5.4 W/ft
Efficacy	64 lm/W
Max Run Length (in series)	20 ft
Cutting increment	2.46"
Pitch length	0.18"
Dimensions	0.47" W x 0.09" H

Section Start/End Options

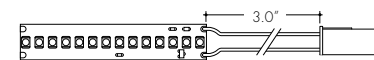
SL
Soldered lead wires (72")



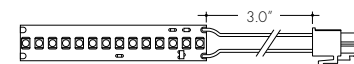
NC
No connector



LM
Lead Male 3" cable



LF
Lead Female 3" cable



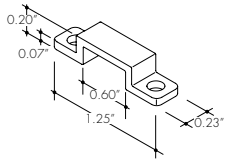
CCT	CRI	TM-30		
		R _f	R _g	R ₉
1900K	96	92	96	94
2400K	97	96	103	98
2700K	96	93	106	95

Ordering Code

MODEL	CCT	SECTION START	SECTION END	LENGTH
LLWD68 - LineLED WD68 Warm Dim	19K-27K-1900K-2700K	SL - Soldered lead wires (72") NC - No connector LM - Lead Male LF - Lead Female	SL - Soldered lead wires (72") NC - No connector LM - Lead Male LF - Lead Female	Ordered in one foot increments. See chart above for max run length.

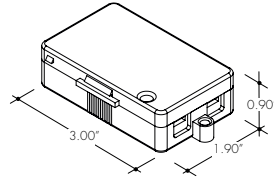
Accessories

CL2
Mounting Clip



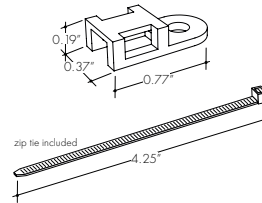
recommended at every 12" when lineLED strip is facing down.

LVSP-4T-BK
Splice Box



low voltage, 4 terminal splice box, black.

LL.ZIP
Cable/Wire Strain Relief Clip



Lens Options / Light Transmission

C Clear	HF Half (50%) Frosted	GR Graze	F Frosted	FF Flat Frosted	R Raised	S Square Frosted	Q Round Square Frosted	13° 13° Semi-Frosted
BOSC Channel (BOSC-XX) 	CLA Channel (CLAC-XX) 	MCAL Channel (MCALC-XX) 	K45V Channel (K45V-XX) 					
F 52% SI 66% R 60% G 76%	S 62% Q 65%	C 94%	C 82% HF 68% F 45% 13° 75%					
K45R Channel (K45R-XX) 	KiloR Channel (KILORC-XX) 	Kilo Channel (KILOC-XX) 	KL Channel (KLC-XX) 					
RF 61%	C 85% F 75%	C 85% F 75%	C 81% HF 67% F 51%					
KRL Channel (KRLC-XX) 	KM Channel (KMC-XX) 	KRM Channel (KRMC-XX) 	KS Channel (KSC-XX) 					
C 81% HF 67% F 51%	C 82% HF 68% F 45% FF 52% R 58% GR 57%	C 82% HF 68% F 45% FF 52% GR 57%	C 86% HF 71% F 56% FF 60% R 85% M 64%					
KRS Channel (KRSC-XX) 	KXL Channel (KXLC-XX) 	KRXL Channel (KRXLC-XX) 	RO15 Channel (RO15-XX) 					
C 86% HF 71% F 56% FF 60% M 64%	C 81% HF 67% F 51%	C 81% HF 67% F 51%	C 65% F 41%					

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

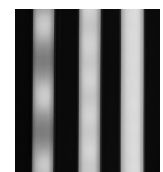
Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

Led Dotting per Extrusion

using the frosted lens option

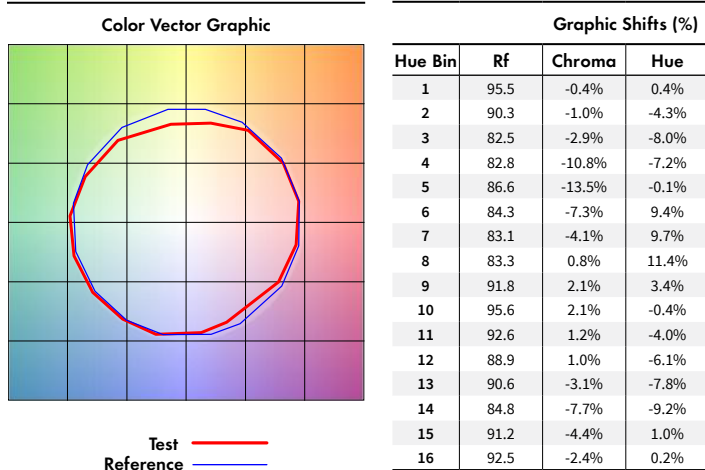
Extrusion	LED Model LLWD68
KSC, KRSC	ND
KMC, KRMC, K45V	ND
KXLC, KRXLC	ND
KLC, KRLC	ND
KILOC, KILORC	ND
RO15	ND
BOSC	ND
CLAC	ND
MCAL	ND



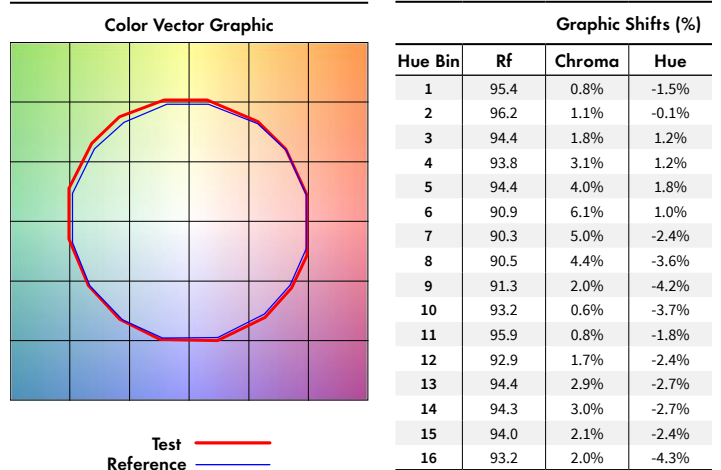
CD SD ND
CD - Clear Dotting
SD - Slight Dotting
ND - No Dotting

TM-30 Color Vector Graphics

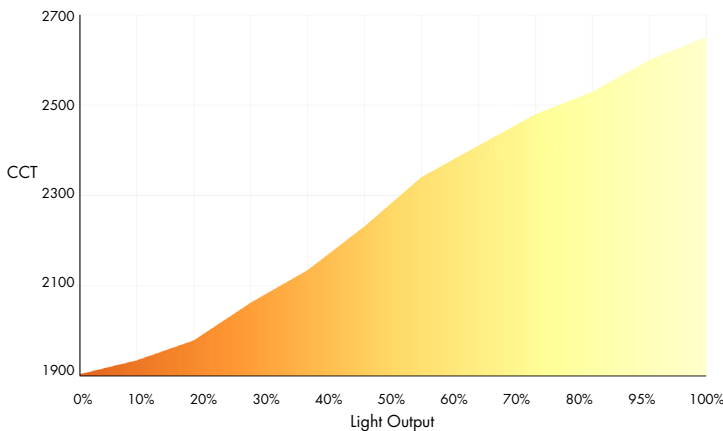
1900K



2700K



Warm Dim Curve



Brand	Model Part Number	Dimming Type	Dimming Range
Lutron	DIVA DVLV-603P	MLV	0 – 100
Lutron	DIVA DVLV-153P	MLV	0 – 100
Lutron	MRF2-6ELV-120	MLV	0 – 100
Lutron	MAESTRO WIRELESS MRF2-6ND-120	MLV	0 – 100
Lutron	SKYLARK CTCL-153P CFL/LED	MLV	0 – 100
Lutron	NOVA NVL-1000	MLV	0 – 100
Lutron	SKYLARK SLV-600P	MLV	0 – 100
Lutron	LUTRON PD-10NXD	ELV, INCAND, MLV	0 – 100
Leviton	LEVITON DECORA LED, CFL, INC	ELV, INCAND, MLV	0 – 100
Leviton	IP106-1L2 INCANDESCENT		0 – 100
Leviton	LEVITON AWSMT-MAW INC	MLV	0 – 100

Dimming Table

Voltage (V)	Dim %	Flux (lm)	CCT (K)	R9
18.5	1%	15	1904	95
19.4	10%	153	1935	95
20.3	20%	306	1979	98
21	30%	460	2062	99
21.5	40%	613	2135	98
22.2	50%	767	2232	97
22.9	60%	920	2340	96
23.5	70%	1073	2410	96
23.8	80%	1227	2479	95
24.3	90%	1348	2529	96
24.8	100%	1534	2650	95

Power Consumption

Tested at full power with PDC Series power supplies.

Nominal Length	LLWD68-19K-27K	
	W/ft	Total wattage
1	5.7	5.8
2	5.5	11.3
3	5.4	16.7
4	5.4	22.0
5	5.3	26.1
6	5.2	30.9
7	5.1	35.7
8	5.1	40.5
9	5.0	44.8
10	4.9	49.1
11	4.8	53.3
12	4.7	57.0
13	4.7	60.2
14	4.6	64.0
15	4.5	67.3
16	4.4	70.9
17	4.4	74.4
18	4.3	77.0
19	4.2	80.1
20	4.1	82.9

Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9	86.1	54.1	34.0	21.4	13.5
30	181.4	114.1	71.7	45.1	28.4	17.8	11.2
35	155.5	97.8	61.5	38.7	24.3	15.3	9.6
40	136.0	85.5	53.8	33.8	21.3	13.4	8.4
45	120.9	76.0	47.8	30.1	18.9	11.9	7.5
50	108.8	68.4	43.0	27.1	17.0	10.7	6.7
55	98.9	62.2	39.1	24.6	15.5	9.7	6.1
60	90.7	57.0	35.9	22.6	14.2	8.9	5.6
65	83.7	52.6	33.1	20.8	13.1	8.2	5.2
70	77.7	48.9	30.7	19.3	12.2	7.6	4.8
75	72.5	45.6	28.7	18.0	11.3	7.1	4.5
80	68.0	42.8	26.9	16.9	10.6	6.7	4.2
85	64.0	40.3	25.3	15.9	10.0	6.3	4.0
90	60.5	38.0	23.9	15.0	9.5	5.9	3.7
96	56.7	35.6	22.4	14.1	8.9	5.6	3.5

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Triac, MLV, ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"

