

Features

The LineLED WD68 Wet Tube is a small profile, excellent color quality, energy efficient Warm Dim LED Strip for IP65, IP67, and IP68 rated wet installations. LineLED WD86 Wet Tube 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.

To maintain IP65, IP67, and IP68 ratings, LineLED WD68 Wet Tube is factory sealed and bonded. Order in exact lengths required for install, LineLED WD68 Wet Tube is not field cuttable.

IP Rating of strip is equal to the lowest IP rating of section start and end options



Mounting

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

Applications

Outdoor and wet locations - cove lighting, architectural accent, handrail, wet bars.

Approvals

IP65, IP67, IP68 rated

Operating voltage

24 VDC

Average Life (L70)

50,000 hours

Warranty

5 years



Technical information

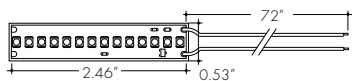
TYPE	LLWD68WET-T
OUTPUT OPTIONS	19K-27K
Lumens Output (3000k)	313 lm/ft
Average Power Consumption (for a 15' section)	5.4 W/ft
Efficacy	58 lm/W
Max Run Length (in series)	20 ft
Cutting increment	2.46"
Pitch length	0.18"
Dimensions	0.53" W x 0.27" H

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

Section Start/End Options

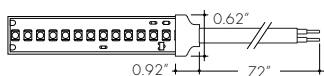
SL65

72" Soldered Leads, IP65 rated



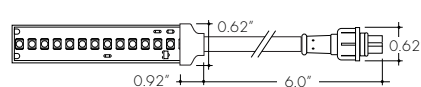
SL68

72" Soldered Leads, IP68 rated



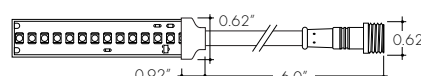
LF

Female Quick Connect End, IP67 rated



LM

Male Quick Connect End, IP67 rated

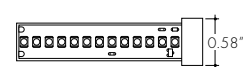


NC

No Connector



IP65 rated when used with SL65 selection



IP67 rated when used with LM or LF selection
IP68 rated when used with SL68 selection

Ordering code

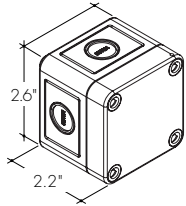
MODEL	CCT	SECTION START ¹	SECTION END ¹	LENGTH
LLWD68WETT-LineLED WD68 Warm Dim Wet Tube	19K-27K-1900K:2700K	SL65-IP65 Soldered lead wires (72") SL68-IP68 Soldered lead wires (72") LF-IP67 Female Quick Connect LM-IP67 Male Quick Connect NC-No Connector	SL65-IP65 Soldered lead wires (72") SL68-IP68 Soldered lead wires (72") LF-IP67 Female Quick Connect LM-IP67 Male Quick Connect NC-No Connector	Ordered in one foot increments. See chart above for max run length.

¹ - IP rating of strip is equal to the lowest IP rating of section start and end options.

Accessories

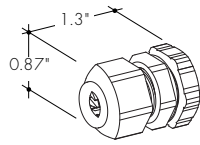
LVSP-WET

Splice box: wet rated, low voltage, gray



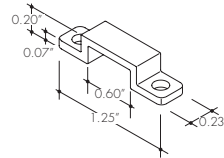
LVSP-WET-CM

Splice box connector, low voltage, gray



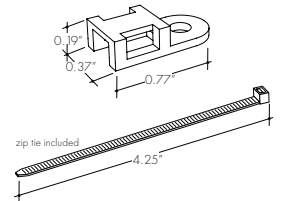
CL2

Mounting clip



LL.ZIP

Strain relief clip



Recommended every 12" when LineLED strip is facing down

Lens Options / Light Transmission



Clear



Half (50%)
Frosted



Graze



Frosted



Flat
Frosted



Raised



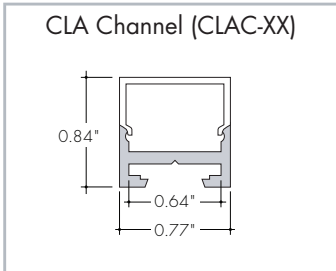
Square
Frosted



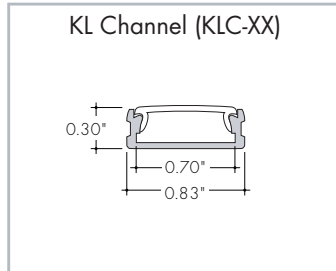
Round Square
Frosted



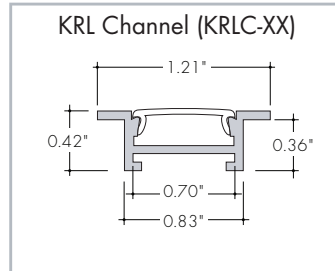
13°
Semi-Frosted



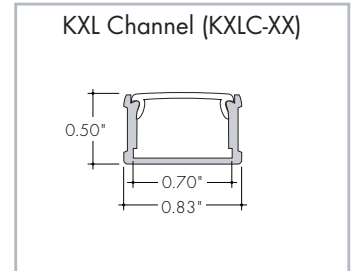
S **Q**
96% 100%



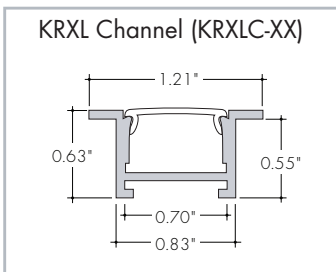
C **HF** **F**
100% 83% 63%



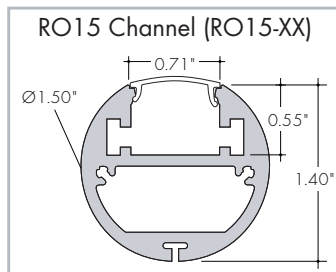
C **HF** **F**
100% 83% 63%



C **HF** **F**
100% 84% 62%



C **HF** **F**
100% 83% 63%



C **F**
100% 63%

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

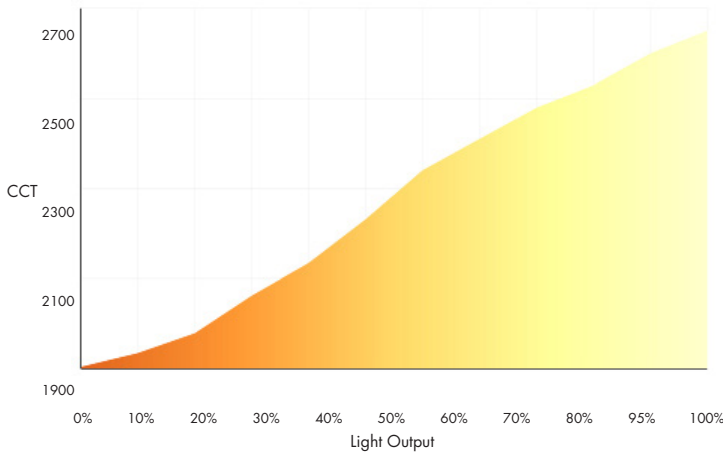
using the frosted lens option

Extrusion	LED Models
	LLWD68-WET-T
KL	ND
KXL	ND
CLA	ND
KRL	ND
KRXL	ND
RO15	ND



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

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 (in)	LLWD68WET-T-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"

