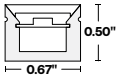
SW120V/4.0

LINE VOLTAGE





- Flicker-free 120V LED strip is capable of illuminating up to 100' runs
- Hardwire directly to a junction box or choose the wall plug for plug and go illumination
- Indoor/outdoor rated, designed for surface mount only
- Dims with a forward or reverse phase dimmer with a neutral
- Ambient temperature range: -4°F to 104°F
- ETL Listed
- Low-end dimming: 5%

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 V/WATTS	2 MOUNTING	3 RATED	4 CCT - LUMENS/CRI	5 LENS
SW120/4.0		WET		FR

ADDITIONAL INFORMATION REQUIRED TO ORDER

6 WIRE INPUT/OUTPUT	7 CONNECTOR/WIRE IN	8 CONNECTOR/ WIRE OUT	9 LENGTH (IN)

Sample Part Number: **SW120/4.0-PL-WET-30-FR-S1-BW36-SE-48"**

1 V/WATTS

SW120/4.0

Voltage: 120 VAC
Wattage: 4.0 W/ft

2 MOUNTING

PL	Plastic Clip
PC-96	PC Channel - 96"

3 RATED

WET	IP67

4 CCT - LUMENS/CRI

24	2400K	281/92
27	2700K	292/95
30	3000K	333/91
35	3500K	342/92
40	4000K	352/93

See chart on following page for additional information

5 LENS

FR	Frosted

6 WIRE INPUT/OUTPUT

SINGLE (Input only)
S1 End Feed

PASS THROUGH (Input/output)
P1 End Feed

7 CONNECTOR/WIRE IN

BW120 Bare Wire (120")
BW36 Bare Wire (Standard 36")
PG Cord & Plug (Standard 36")

BW120 Bare Wire (120")
BW36 Bare Wire (Standard 36")
PG Cord & Plug (Standard 36")

8 CONNECTOR/WIRE OUT

SE End cap

BW120 Bare Wire (120")

9 LENGTH (IN)

3" increments
End caps add 1" to overall product length, ex. if length ordered is 24", total length would be 25".
See dimensioned graphics on next page for feed and closed end adders.
Max nominal length: 100'

Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Not field cuttable

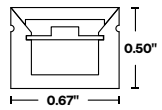
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Specification subject to change. Rev-08-21-26

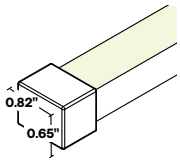
SW120V/4.0

LINE VOLTAGE

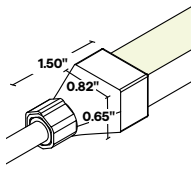
1 PRODUCT - DIMENSIONS



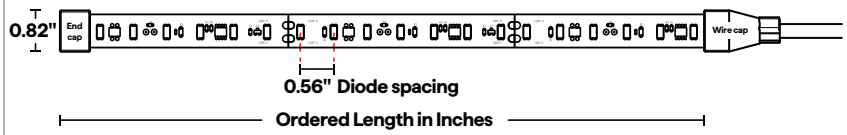
Profile
(Standard)



End cap
(SE)

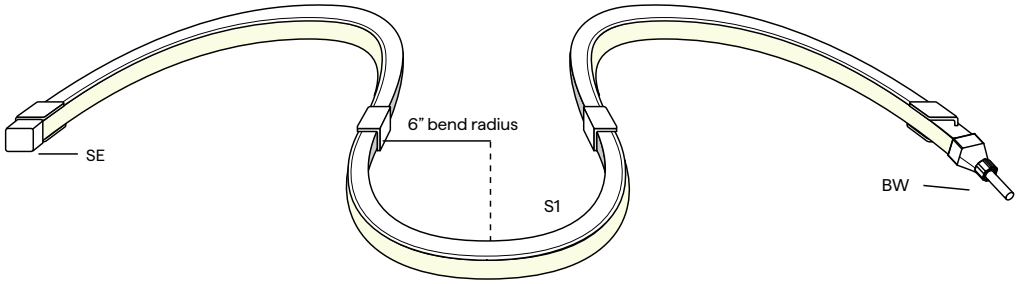


Wire cap
(S1/P1)

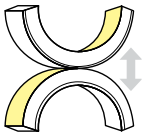


End caps add 1" to overall product length,
ex. if length ordered is 24", total length would be 25"

FLEXIBILITY



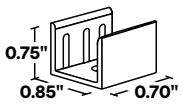
BEND RADIUS



Up/Down bend
6" bending radius

2 MOUNTING

PL

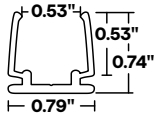


Plastic Clip

#6 Flat Head Screw

2 provided for first 12", 1 for each additional 12"

PC-96



PC Channel
96" straight linear run

Field cuttable

#6 Flat Head Screw

PC is recommended for downward facing applications

4 CCT - LUMENS/CRI - TECHNICAL INFORMATION

[Calculated L70 = 30000 hrs]
Tested with SW120/4.0-WET

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
2400K	281	76 Lm/W	92	53	91	98
2700K	292	78 Lm/W	95	76	93	100
3000K	333	89 Lm/W	91	45	90	98
3500K	342	93 Lm/W	92	53	90	98
4000K	352	94 Lm/W	93	57	89	97

5 DIODE VISIBILITY



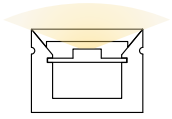
Frosted

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SW120V/4.0

LINE VOLTAGE

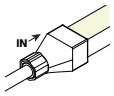
LIGHT ORIENTATION



6 WIRE INPUT/OUTPUT

SINGLE (Input only)

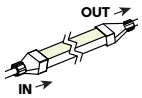
S1



End Feed

PASS THROUGH (Input/Output)

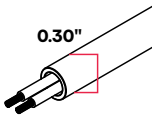
P1



End Feed

7/8 CONNECTOR/WIRE – IN/OUT

BW

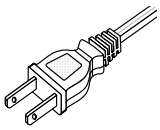


Bare Wire 36" (BW36)
Bare Wire 120" (BW120)

18 AWG, 2 conductor
SJTW Cord
300V, 105°C rated
Outdoor rated

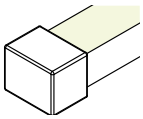
DO NOT ROUTE CORD THROUGH DOORS, WALLS, WINDOWS OR ANY LIKE PART OF THE BUILDING STRUCTURE

PG



Cord & Plug

SE



End Cap

ELECTRICAL RATINGS

Fuse Rating	8A, 125V
Wattage per Foot	4W/ft
Current per Foot	36mA/ft
LEDs per Foot	21 chips/ft
LED Chip Size	2835
Power Factor	>0.9

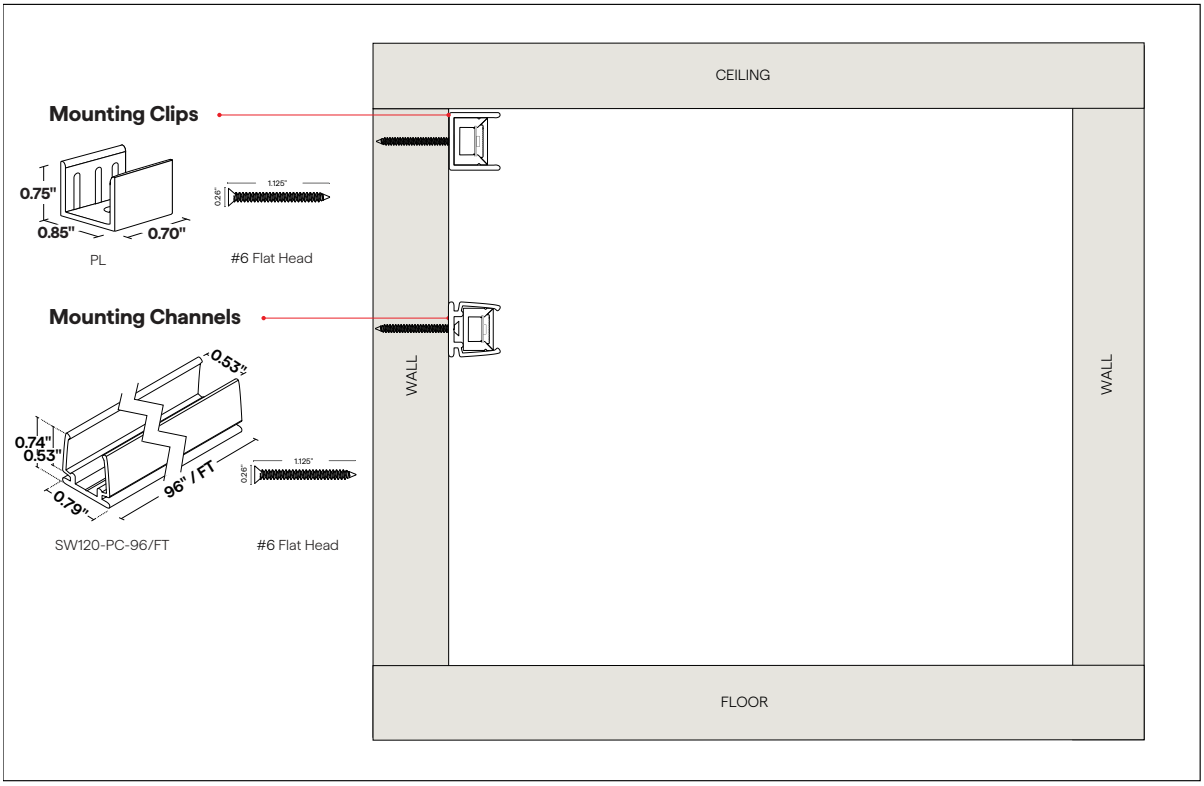
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SW120V/4.0

Line Voltage Installation Instructions

ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Do not install with voltage applied
- Surface mount
- Input Voltage: 120VAC
- Diagrams for representation only and not to scale



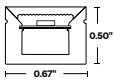
Surface Mounting Method

- PL Clip (page 4)
- PC Channel (page 5)

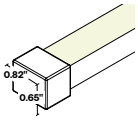
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SW120V/4.0

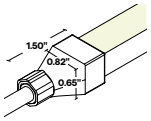
Line Voltage Installation Instructions



Profile



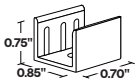
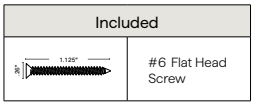
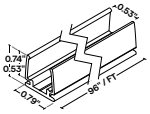
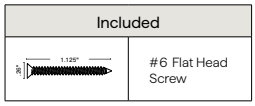
End Cap
(SE)



Wire Cap
(S1/P1)

COMPONENTS & HARDWARE

Alternate screw lengths can be used in installation as long as the screw diameter size is consistent with the included screw diameter size

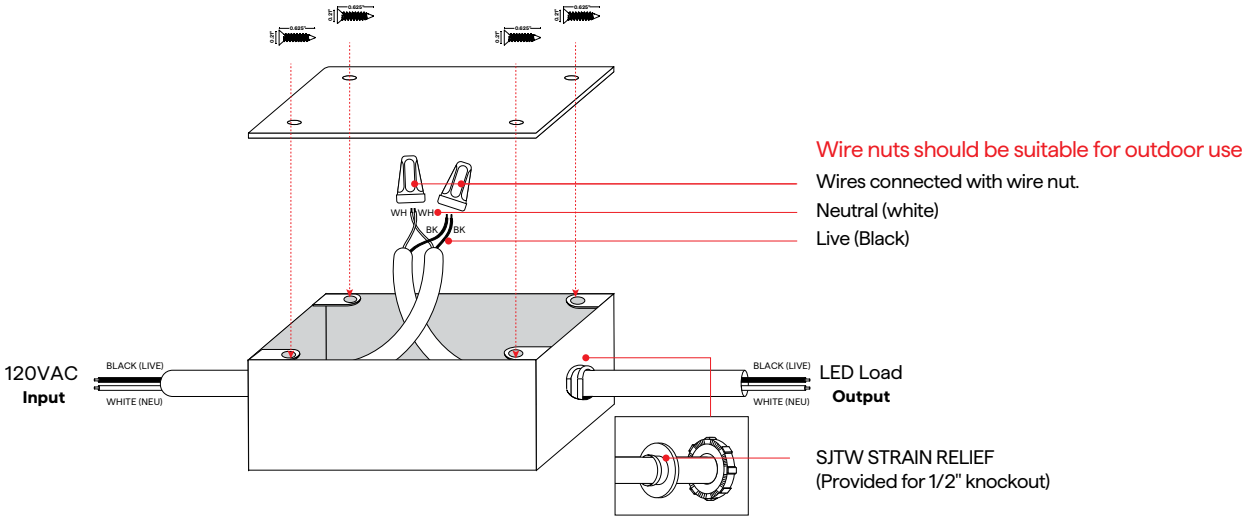
MOUNTING CLIP & MOUNTING CHANNEL	
PL	SW120-PC-96
 Plastic Clip 	 PC Channel 
• 2 clips provided for 4' or less; 4 clips provided for greater than 4'	• 96 Inch length, & field cuttable

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SW120V/4.0

Line Voltage Installation Instructions

WIRING INSTRUCTIONS



FOR PROPER SEAL, ENSURE THAT STRAIN RELIEF IS TIGHT AROUND WIRE.

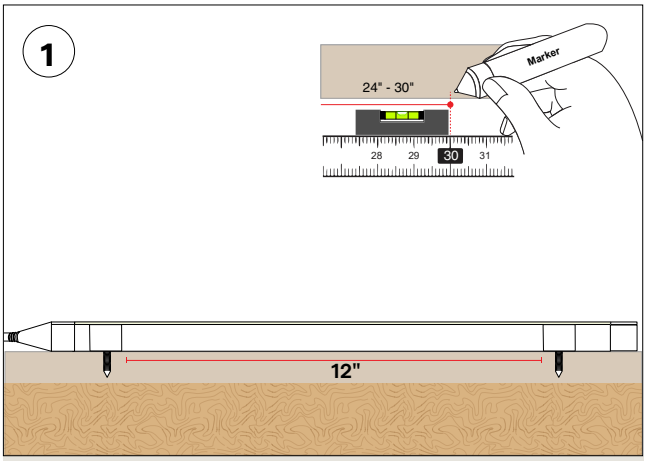
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SW120V/4.0

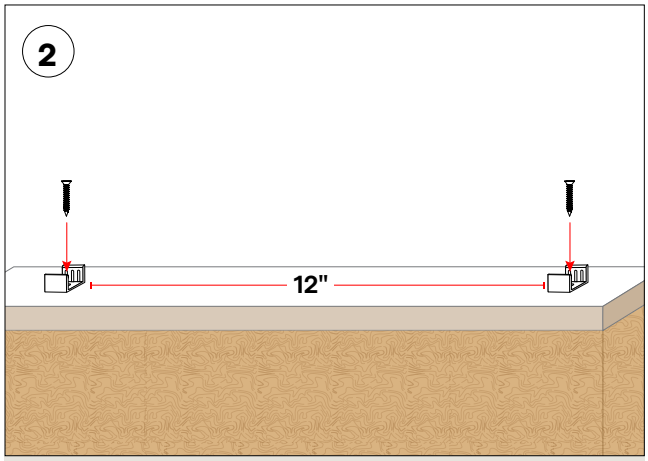
Line Voltage Installation Instructions

SURFACE MOUNTING METHOD: **PL CLIP**

- Endcaps do not go inside clip

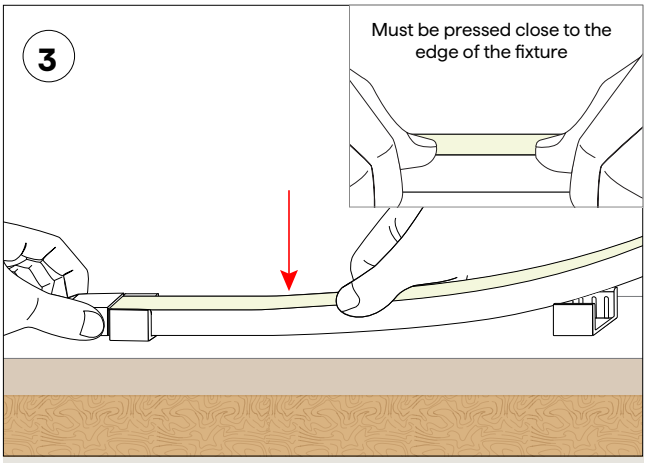


Determine the fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12".



Secure clips using the #6 flat head hardware provided.

NOTE: For drywall applications mount directly to stud



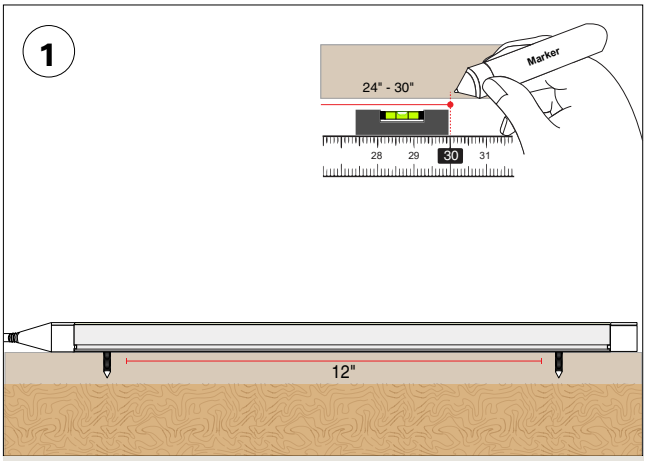
Press the fixture into the mounting clips.

NOTE: Do not press directly in middle of light fixture in order to avoid damaging LEDs or Fixtures

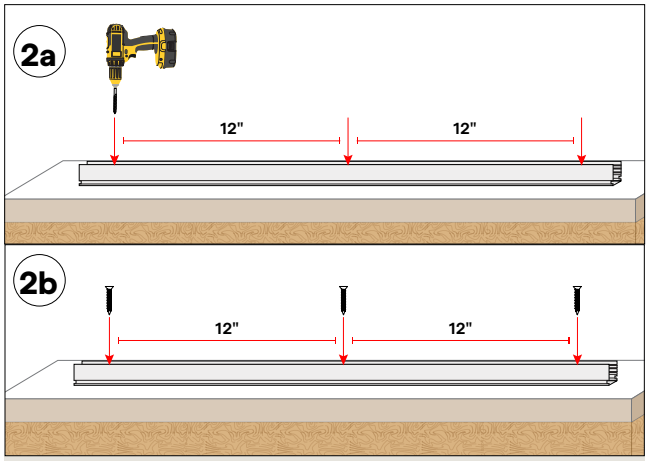
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SURFACE MOUNTING METHOD: **SW120-PC-96**

- Endcaps do not go inside clip



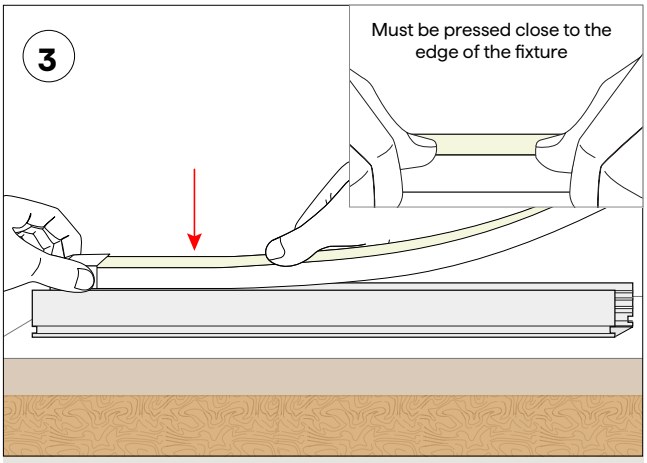
Determine the fixture(s) location and positioning on desired surface. Make any necessary reference markings to indicate where each screw is to be secured in place. Recommended every 12".



a. Drill through the PC channel 12" apart from each other

b. Secure the PC channel with #6 flat head hardware provided.

NOTE: For drywall applications mount directly to stud



Press the fixture into the channel.

NOTE: Do not press directly in middle of light fixture in order to avoid damaging LEDs or Fixtures

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⚠ WARNING Risk of Fire / Electric Shock 

a) READ AND FOLLOW ALL SAFETY INSTRUCTIONS

b) Do not cover this product as the covering may cause the SW120 flexible light to overheat and melt or ignite.

c) Do not operate with the SW120 flexible light tightly coiled. To prevent overheating do not allow contact between SW120 flexible light cables and parts of light cables. Maintain at least 0.47 inches spacing between SW120 flexible light cables or parts of light cables.

d) Do not puncture, cut, shorten, or splice the SW120 flexible lighting.

e) Do not route the cord or SW120 flexible lighting through walls, doors, windows or any like part of the building structure.

f) Do not use if there is any damage to the light or cord insulation. Inspect periodically.

g) Do not submerge SW120 flexible light in liquids, or use the product in the vicinity of standing water or other liquids.

h) Secure this SW120 flexible light using only the hangers or clips provided. Do not secure this product or its cord with staples, nails, or like means that may damage the insulation or permanently attach to the building structure.

i) Do not subject SW120 flexible lighting to continuous flexing.

j) DO NOT EXCEED THE MAXIMUM NUMBER OF EXTENSIONS OR SW120 FLEXIBLE LIGHT LENGTHS PERMITTED BY THE MARKING.

k) Do not install in cabinets, tanks or enclosures of any kind.

SAVE THESE INSTRUCTIONS

WARNING: When using outdoor use portable lighting products, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following.

a) Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlet to be used for the outdoor use SW120 flexible lighting product. Receptacles are available having built-in GFCI protection for this measure of safety.

b) Use only outdoor extension cords, such as type **SW, SOW, STW, STOW, SJW, SJOW, SJTW,** or **SJTOW.** This designation is marked on the wire of the extension cord.

c) CAUTION: Do not install closer than 118 inches from a swimming pool surface.

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SW120V/4.0

Line Voltage Color Data

4.0 W/FT

2400K

2331 K

CRI: 91.9

CRI R9: 53.0

TM30 Rf: 91.3

TM30 Rg: 98.4

CQS: 87.9

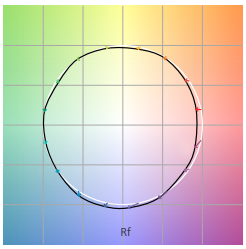
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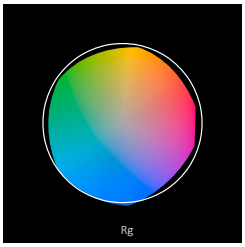
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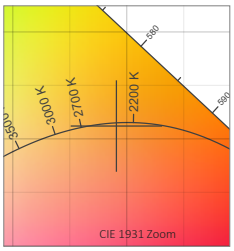
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V: 0.355

Δuv: -0.0010







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.0	99.4	95.0	93.6	95.3	94.7	87.2	76.1	53.0	99.0	97.4	89.0	95.9	98.3	87.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
83.0	89.6	90.9	89.4	90.0	91.6	90.5	89.1	90.9	93.1	91.7	89.4	87.7	82.6	82.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
88.2	91.3	91.6	94.9	95.9	94.8	94.8	96.6	93.0	92.7	91.4	90.7	85.7	81.1	90.6	84.2

TM30			
Hue Bin	R_f	Chroma	Hue
1	88	-6%	1%
2	91	-4%	3%
3	92	-1%	4%
4	95	-3%	-1%
5	96	-2%	1%
6	95	0%	2%
7	95	-3%	0%
8	97	0%	2%
9	93	-1%	4%
10	93	0%	4%
11	91	4%	4%
12	91	5%	-2%
13	86	3%	-13%
14	81	1%	-13%
15	91	-4%	-5%
16	84	-6%	-10%

2700K

2758 K

CRI: 95.1

CRI R9: 75.9

TM30 Rf: 92.9

TM30 Rg: 100.1

CQS: 92.4

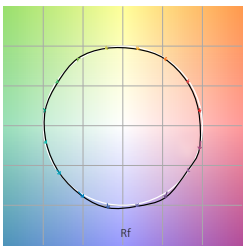
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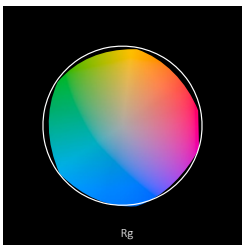
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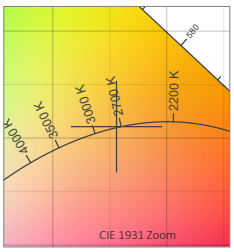
U: 0.260

V: 0.351

Δuv: 0.0004







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.8	96.8	95.8	96.0	94.9	95.7	95.8	89.7	75.9	91.0	96.4	80.3	96.1	96.6	93.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
91.9	96.0	88.6	88.8	92.3	93.0	91.6	93.6	96.6	94.2	94.4	94.7	94.8	91.4	91.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
93.7	94.9	92.7	94.0	94.7	96.4	93.9	98.1	94.8	90.2	88.4	90.5	94.0	90.4	94.2	87.6

TM30			
Hue Bin	R_f	Chroma	Hue
1	94	-3%	0%
2	95	-2%	1%
3	93	-1%	3%
4	94	-2%	1%
5	95	-1%	2%
6	96	2%	0%
7	94	-2%	0%
8	98	-1%	0%
9	95	-2%	2%
10	90	-1%	7%
11	88	2%	9%
12	90	5%	2%
13	94	3%	-3%
14	90	5%	-6%
15	94	-1%	-2%
16	88	0%	-10%

3000K

2902 K

CRI: 90.8

CRI R9: 44.7

TM30 Rf: 90.3

TM30 Rg: 98.0

CQS: 89.1

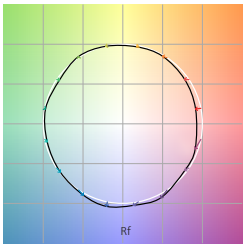
X: 0.443

Y: 0.405

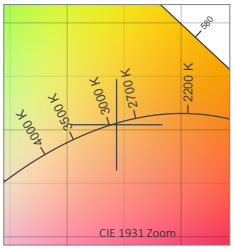
U: 0.254

V: 0.348

Δuv: -0.0006







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90.9	96.3	97.8	90.8	91.2	95.8	88.5	74.8	44.7	91.3	92.6	81.4	92.5	99.7	84.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
85.1	94.9	88.6	87.6	90.6	91.6	90.8	91.2	96.2	94.0	92.5	90.8	89.8	82.6	83.3
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
87.7	89.7	88.5	93.7	95.1	95.9	92.3	97.1	92.8	88.9	88.1	88.7	89.7	84.8	89.9	82.1

TM30			
Hue Bin	R_f	Chroma	Hue
1	88	-7%	0%
2	90	-4%	4%
3	88	-2%	6%
4	94	-2%	2%
5	95	0%	2%
6	96	1%	-1%
7	92	-3%	-2%
8	97	-1%	0%
9	93	-2%	4%
10	89	-1%	7%
11	88	2%	9%
12	89	6%	0%
13	90	3%	-7%
14	85	4%	-12%
15	90	-3%	-5%
16	82	-5%	-13%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-06-04-26

SW120V/4.0

Line Voltage Color Data

3500K

3411 K

CRI: 92.3

CRI R9: 53.4

TM30 Rf: 90.1

TM30 Rg: 97.8

CQS: 90.9

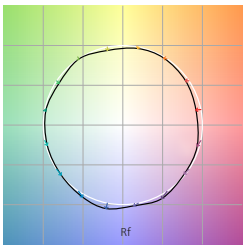
X: 0.409

Y: 0.390

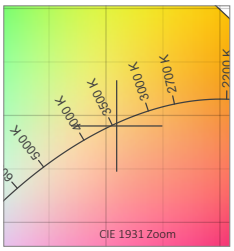
U: 0.239

V: 0.341

Δuv: -0.0011







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.1	97.6	97.9	92.1	92.8	95.3	90.2	79.5	53.4	93.4	93.5	76.9	94.7	99.8	88.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
87.5	96.5	88.8	87.1	90.5	92.8	93.5	93.7	98.1	95.8	94.1	92.8	92.1	85.9	86.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
88.4	91.3	91.0	93.9	92.9	96.6	92.7	95.8	90.6	86.5	86.0	89.0	90.9	86.0	86.3	85.1

TM30			
Hue Bin	R_f	Chroma	Hue
1	88	-6%	1%
2	91	-4%	3%
3	91	-1%	4%
4	94	-2%	1%
5	93	-4%	1%
6	97	0%	0%
7	93	-4%	1%
8	96	-2%	2%
9	91	-2%	6%
10	87	-1%	9%
11	86	3%	8%
12	89	7%	0%
13	91	2%	-6%
14	86	4%	-11%
15	86	-2%	-8%
16	85	-3%	-8%

4000K

4023 K

CRI: 92.6

CRI R9: 57.4

TM30 Rf: 89.1

TM30 Rg: 96.5

CQS: 91.0

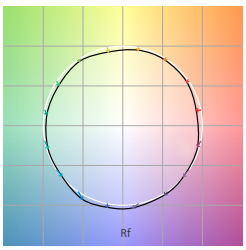
X: 0.380

Y: 0.377

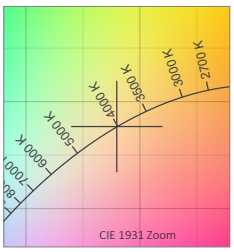
U: 0.225

V: 0.334

Δuv: 0.0002







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.3	97.6	98.2	91.4	92.1	94.4	91.4	82.1	57.4	92.9	92.7	70.7	95.0	99.6	89.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
87.3	96.9	88.4	85.5	88.8	91.0	93.9	94.9	98.8	96.8	95.0	94.3	93.5	87.3	87.8
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
88.2	92.4	92.0	92.2	91.3	95.3	91.8	90.4	86.8	84.5	85.0	89.5	88.0	92.2	83.8	84.4

TM30			
Hue Bin	R_f	Chroma	Hue
1	88	-6%	1%
2	92	-3%	2%
3	92	-2%	3%
4	92	-3%	-1%
5	91	-6%	0%
6	95	-3%	0%
7	92	-5%	2%
8	90	-4%	5%
9	87	-2%	10%
10	84	-1%	10%
11	85	5%	9%
12	90	4%	1%
13	88	4%	-8%
14	92	1%	-5%
15	84	-1%	-10%
16	84	-3%	-8%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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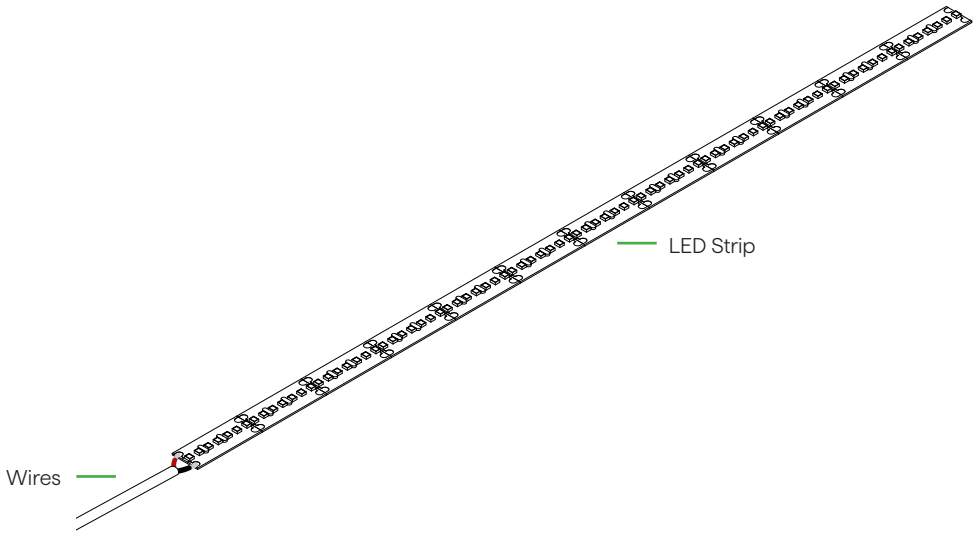
Specification subject to change. Rev-06-04-26

MATERIAL RECYCLING

LINEAR LED STRIPS

You may be done with your products, but chances are they still have more to give. Follow these instructions to break down and sort recyclable components. Check with local recycling collection to ensure they accept the materials listed below.

Additionally, Q-Tran offers a Takeback Program. Contact factory for information.



E

LED Strips
Wires

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