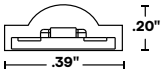
SHIELD-SW24/5.0

Static White LED Strips with Silicone Jacket





- Diode-free LED strip with silicone Jacket IP67 option
- One bin, two-step static white with 1" cut-point
- 547 lm/ft and 106 lm/W @3000K
- CRI Ra = 93 and TM30 Rf = 90, Rg = 97 @3000K
- Ambient operating temp: -4 ~ 113 °F
- Installation temp: 50 ~ 100 °F | Storage temp: -4 ~ 140 °F

1 V/WATTS	2 RATED	3 CCT - LUMENS/CRI	4 CONNECTOR/ WIRE IN	5 CONNECTOR/ WIRE OUT	6 WIRE COLOR	7 WIRE TYPE	8 ENDCAPS	9 MOUNTING	10 ILLUMINATED LENGTH (IN)
SHLD-SW24/5.0									

Sample Part Number: **SHLD-SW24/5.0-DRY-30-BW-BW-WH-CL2-N/A-PCH-S-36"**

1 V/WATTS

SHLD-SW24/5.0

Voltage: 24VDC
Wattage: 5.0W/ft
See following pages for compatible power supplies.

2 RATED

DRY	IP20
WET	IP67

To achieve WET IP67 rating select TL endcaps

3 CCT - LUMENS/CRI

20	2000K	413/93
22	2200K	448/93
24	2400K	492/93
27	2700K	519/94
30	3000K	547/93
35	3500K	551/94
40	4000K	574/93

4 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product.
Typical selection is BW.
BW: Standard length is 24", Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)

5 CONNECTOR/WIRE OUT

BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"
CLS	Closed End (No Feed)

6 WIRE COLOR

WH	White
BK	Black
N/A	Specify for Barrel

Barrel is white for DRY
Barrel is black for WET

7 WIRE TYPE

CL2	Class 2
CL2P	Class 2 Plenum Rated
N/A	Specify for Barrel

CL2P only available with bare wire leads (BW)

8 ENDCAPS

N/A	No Endcaps, DRY
TL	Translucent, WET

To achieve WET IP67 rating select TL endcaps

9 MOUNTING

N/A	VHB Backing
PCH-S	1" Mounting Plastic Clip
PCH-S-28	28" Mounting Plastic Channel

10 ILLUMINATED LENGTH (IN)

1"-230"	1" increments
100FT	100 Foot Reel

5-year warranty | Warranty only valid with QTL power supplies | Field modifications must comply with QTL's installation methods; otherwise, warranty is null & void | All data has +/- 5% tolerance | UL Listed.

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SHIELD-SW24/5.0

Static White LED Strips with Silicone Jacket

3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 50000 hrs]
Tested with SW24/5.0-DRY

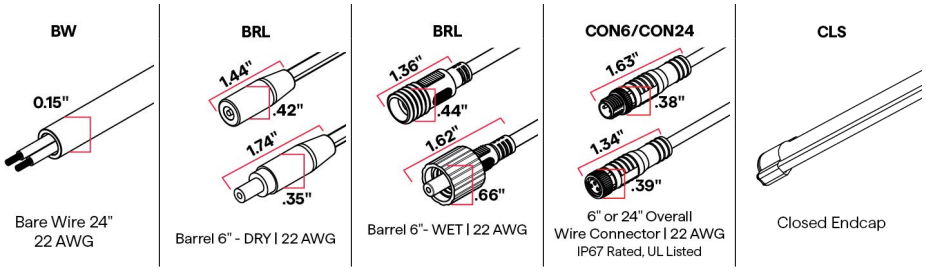
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
2000K	413	83 Lm/W	93	59	92	100
2200K	448	90 Lm/W	93	61	92	101
2400K	492	95 Lm/W	93	58	91	100
2700K	519	100 Lm/W	94	64	91	98
3000K	547	106 Lm/W	93	63	90	97
3500K	551	109 Lm/W	94	71	91	99
4000K	574	112 Lm/W	93	67	88	96

TEMPERATURE RATINGS

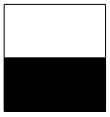
		Min	Max
DRY/ WET	Ambient		
	Operating	-4°F	113°F
	Storage	-4°F	140°F
	Install	50°F	100°F

4/5 CONNECTOR/WIRE – IN/OUT

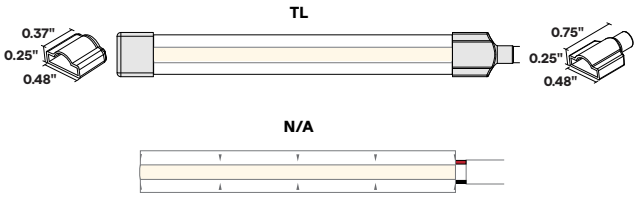
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



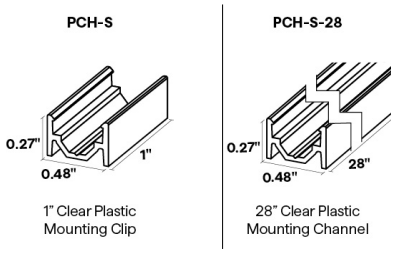
6 WIRE COLOR



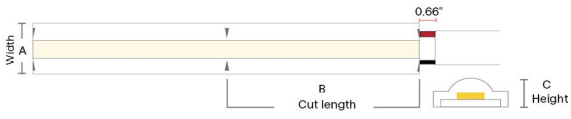
8 ENDCAPS **NOTE:** Wet requires TL option



9 MOUNTING

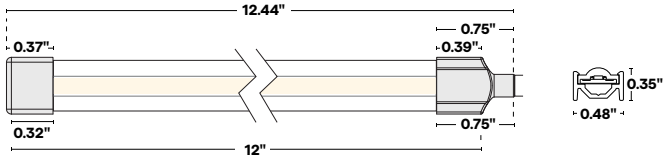


10 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B	C
	0.39"	1.00"	0.20"

FULL DIMENSIONS



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SHIELD-SW24/5.0

Static White LED Strips with Silicone Jacket

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR	OUTDOOR
	SHIELD-SW	SHIELD-SW
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT6-PS QZ-DMX QZ-PRO-PH/0-10V
1%	Q-DIM QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	SHIELD-SW	SHIELD-SW
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PRO-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PRO-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

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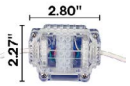
SHIELD-SW24/5.0

Static White LED Strips with Silicone Jacket

COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO	BL-GRAZER	BL-MICRO	BL-LARGE	SD-L-LARGE	SD-L-MEDIUM	SD-L-MICRO	SD-J-LARGE	iQ-CLIP-PL
								
QUOVA Knife Edge	Backwards L Mounting Bracket	Backwards L Mounting Bracket	Backwards L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	J Mounting Bracket	Plastic clip, Fits WET strip

COMPATIBLE WIRING ACCESSORIES

INSTALLATION KITS	SHLD-SW-DRY-INLINE	SHLD-SW-WET-KIT	BARREL-EXT	BARREL FOUR-FER	CON120-EXT	CON FOUR-FER	CON M - BARREL F	Q-mini-J	Q-mini-J5
									
LEAD or JUMP DRY and WET LED strip wiring kits	SHLD-SW-DRY-INLINE Connector Kit	SHLD-SW-WET Install Kit Includes Silicone Endcap pair and Glue	8ft barrel cable extender DRY/DMP	Splits lead from one to four LED Barrel connector fixtures, DRY/DMP	10ft Con cable extender DRY/DMP/WET	Splits lead from one to four LED Con connectors DRY/DMP/WET	Male con to barrel cable adaptor DRY/DMP	UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE EXTRUSIONS

	WIDE	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN	POSH
DRY/ WET	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓		✓	

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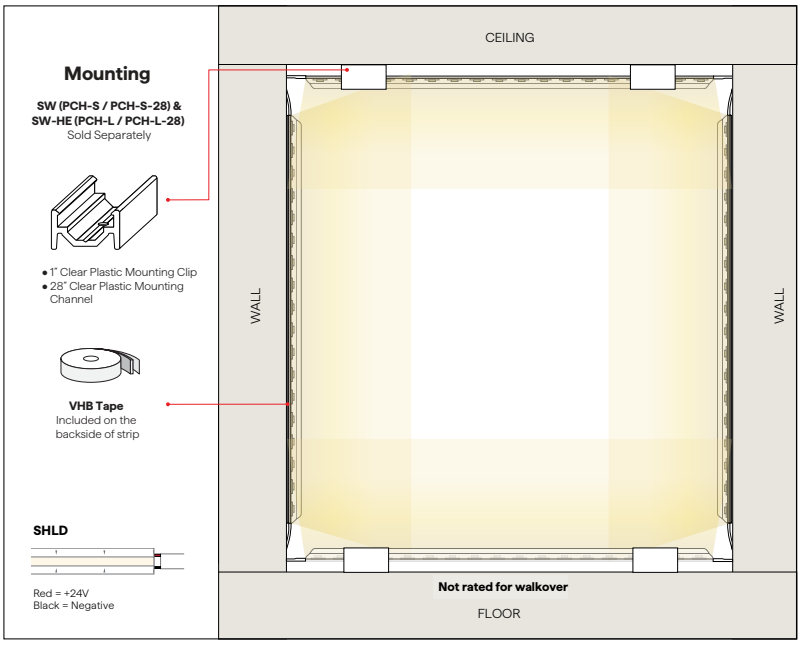
SHIELD

Installation Instructions - LED Strips with Silicone Jacket

ATTENTION: Please read all instructions BEFORE installation

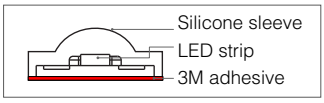
- Product to be installed by a licensed electrician
- Always ensure power supply connection to electrical circuit is disconnected before working on it
- Follow diagram to connect Secondary Voltage wires to power supply. Refer to QTL power supply instructions for wiring
- Use only with Class 2 power supply unit — Compatible for use with QTL power supplies
- Suitable for DRY, DAMP, and WET locations
- Suitable for installation in storage area of a clothes closet
- Temp Rating: Refer to cut sheet
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

METHODS OF INSTALLATION:



MOUNTING METHOD

- METHODS & INSTALLATIONS (page 1)
- LEDs SOLDERED (page 2)
- SURFACE MOUNTING METHOD (page 4)



SILICONE	WIRE SIDE ENDCAP	CLOSED ENDCAPS	INLINE CONNECTOR
SHLD-SW	0.75" 0.25" 0.48"	0.37" 0.25" 0.48"	.79" 0.48" 0.25"
SHLD-SW-HE	0.75" 0.25" 0.55"	0.37" 0.25" 0.55"	.79" 0.65" 0.25"

SHLD	PROFILE
SW	.20" .39"
SW-HE	.20" .54"

NOTES:

- *Avoid bending in sharp angles which may damage the LED.*
- *Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.*
- *Diagrams for representation only and not to scale.*

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SHIELD

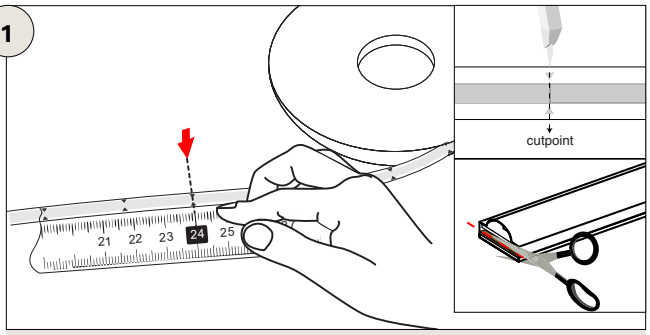
Installation Instructions - LED Strips with Silicone Jacket

ENDCAPS INSTRUCTIONS: **WET IP67**

If LED wires are pre-soldered from the factory, skip to page 4.

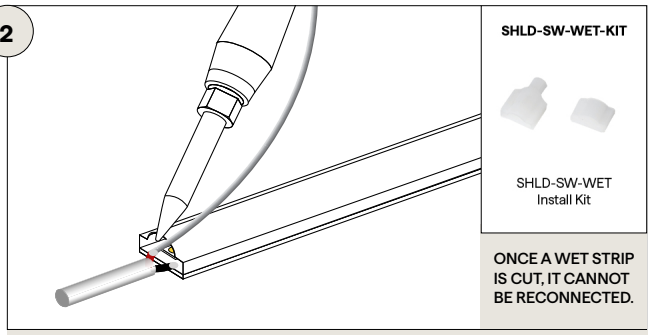
Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure before proceeding with step #3.

1



Measure and cut LED strip to desired length with scissors along the cut point.

2

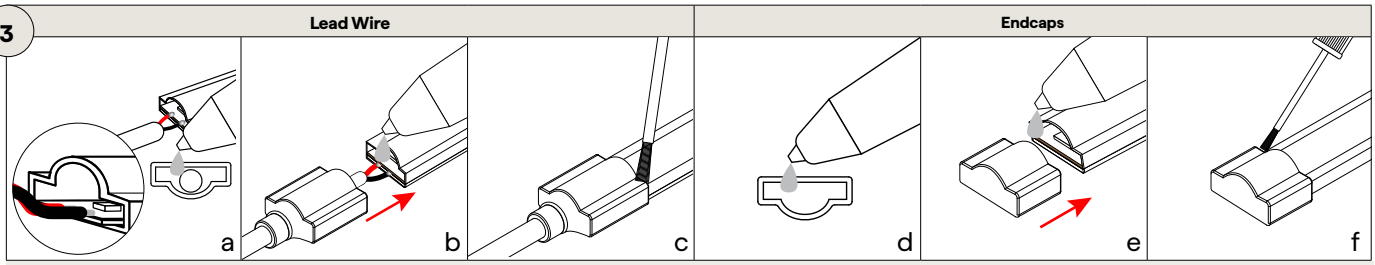


ONCE A WET STRIP IS CUT, IT CANNOT BE RECONNECTED.

Solder lead wire onto solder pad. Confirm positive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically positive.

NOTE: For lead-free solder, use a recommended soldering iron temperature of 650°–700°F. Cut off 0.12" of the upper portion of the silicone jacket to expose the inner PCBA.

3



ONCE ALL CONNECTIONS ARE FUNCTIONING PROPERLY, DISCONNECT POWER AND BEGIN HEAT SHRINKING INSTRUCTIONS BELOW:

a. Solder lead wires to the designated copper pads on the top side of the PCBA.

b. Fill end cap with Silicone.

c. Apply Loctite glue around the edge to secure endcap, allow time for glue to dry.

d. Fill the end cap with silicone sealant.

e. Put end cap on the end of the LED; wipe any overflow Silicone.

f. Apply Loctite glue around the edge to secure endcap, allow time for glue to dry

VERY IMPORTANT:

- Ensure polarity of LED strips line up with each other.
- For cutting or modification in the field, wet rating requires TL end caps to be installed following the instructions above.

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SHIELD

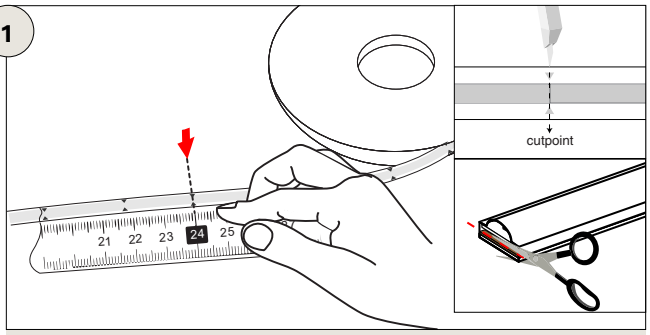
Installation Instructions - LED Strips with Silicone Jacket

INLINE CONNECTOR INSTRUCTIONS: **DRY IP20**

If LED wires are pre-soldered from the factory, skip to page 4.

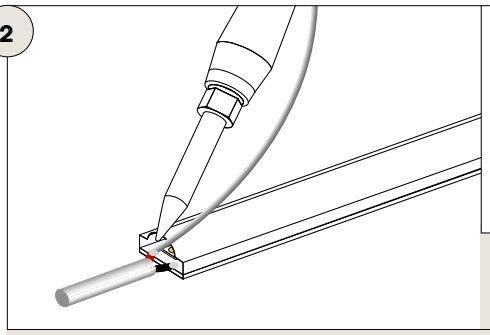
Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure before proceeding with step #3.

1



Measure and cut LED strip to desired length with scissors along the cut point.

2



SHLD-SW-DRY-INLINE



SHLD-SW-DRY-INLINE Connector Kit

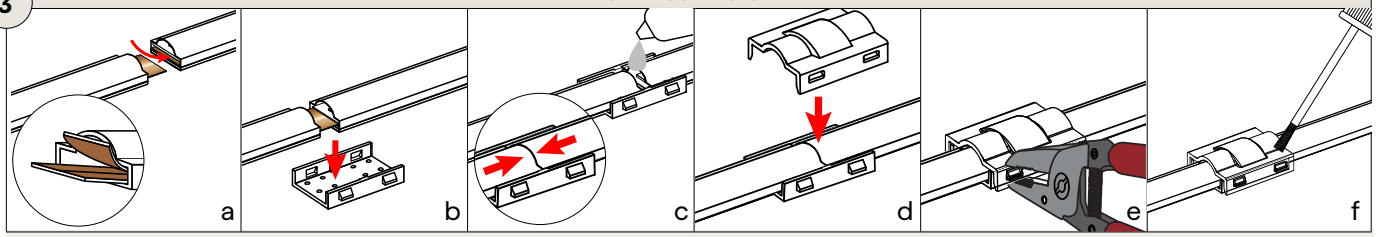
ONCE A WET STRIP IS CUT, IT CANNOT BE RECONNECTED.

Solder lead wire onto solder pad. Confirm positive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically positive.

NOTE: For lead-free solder, use a recommended soldering iron temperature of 650°–700°F. Cut off 0.12" of the upper portion of the silicone jacket to expose the inner PCBA.

3

CLEAR CONNECTOR



ONCE ALL CONNECTIONS ARE FUNCTIONING PROPERLY, DISCONNECT POWER AND BEGIN HEAT SHRINKING INSTRUCTIONS BELOW:

a. Insert the conductive connection plate into the bottom of the PCBA of the two LED strips and leave 0.08" outside in the middle.

b. Place the two LED strips onto the bottom cover.

c. Fill bottom cover with silicone sealant.

d. Put the upper cover onto the bottom cover.

e. Fasten the upper cover to the bottom cover by plier, until the buckle is installed in place.

f. Apply Loctite glue around the edge to secure and seal any gaps; allow time for glue to dry.

VERY IMPORTANT: Ensure polarity of LED strips line up with each other.

CAUTION



TWISTING OR ABNORMAL BENDING OF THE LED STRIP WILL RESULT IN FAILURE AND VOID THE WARRANTY.

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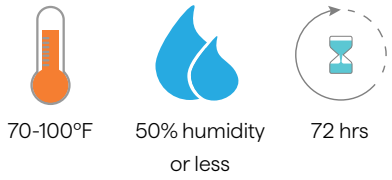
SHIELD

Installation Instructions - LED Strips with Silicone Jacket

SURFACE MOUNTING METHOD

SURFACE PREPARATION

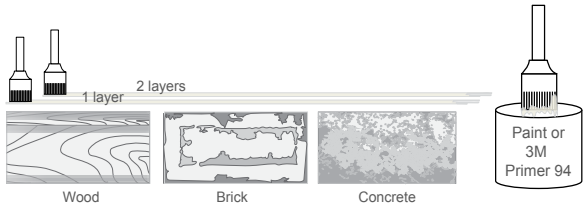
1



Temperature and environmental concerns:

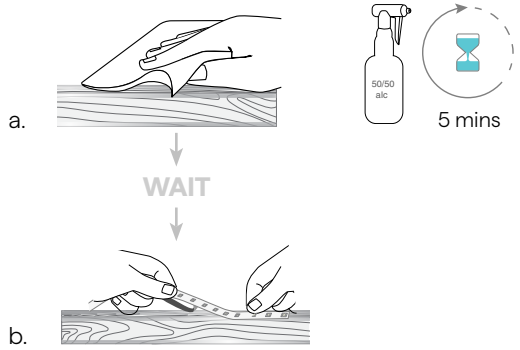
- Ideal application environment is 70-100°F in 50% humidity or less.
- Minimum application temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum bond strength.

2



For porous materials (Wood, Brick, Concrete etc.) apply two layers of paint or primer to the surface. This will help create a better bonding surface for these materials. These can be purchased from a local hardware store.

3



a. Using a 50/50 alcohol mix, thoroughly clean surface area where LED will be installed. Allow 5 minutes to dry.

b. Peel back 0.5" of the VHB tape's protective film on one end of LED and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the strip in small sections until the entire length is installed.

MATERIALS	SUGGESTED EPOXIES
Concrete, Stone, Cinderblock, Metal, and Brick	Loctite Metal and Concrete Two-Part Epoxy
ABS, Fiberglass, Plastic, and PVC	Loctite Plastic Two-Part Epoxy
Tile, Wood, Ceramic, Glass, or Metal	Loctite Clear Two-Part Epoxy
All Purpose	Strong Stik

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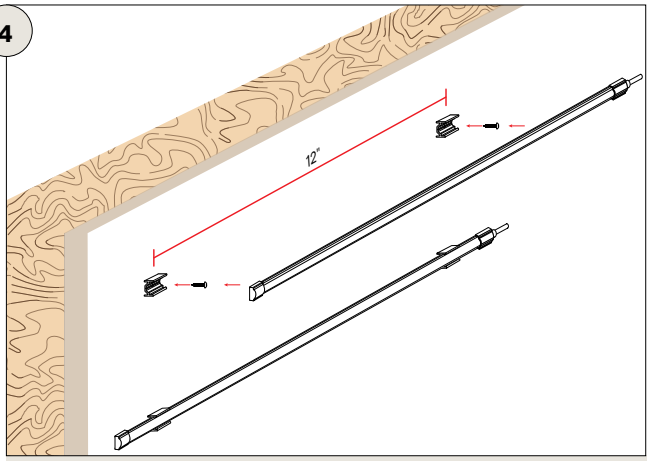
SHIELD

Installation Instructions - LED Strips with Silicone Jacket

SURFACE MOUNTING METHOD

MOUNTING METHOD

4



For extra secure mounting:

- Secure clips using the #4 flat head hardware provided. Ensure the screw head is flush with the clip's base.
- One (1) mounting clip every 12"

NOTE: Flat head screw type is dependent on surface/application material Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.

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SHIELD-SW24/5.0

LED Strips with Silicone Jacket Color Data

2000K

2011 K

CRI: 92.9

CRI R9: 59.2

TM30 Rf: 92.0

TM30 Rg: 100.0

CQS: 81.7

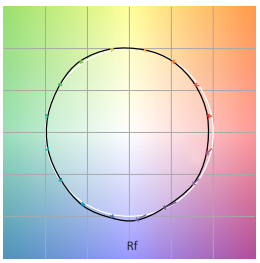
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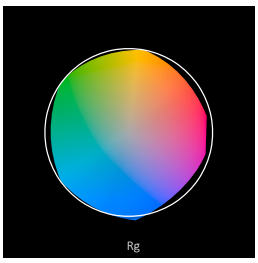
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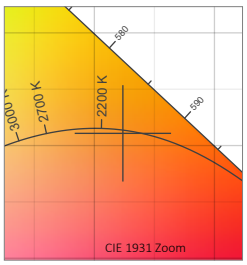
U: 0.304

V: 0.358

Δuv: -0.0009







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.3	99.0	97.7	94.1	95.2	95.8	88.6	78.8	59.2	97.0	97.6	91.8	95.9	99.2	88.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
78.0	83.0	84.0	83.1	84.5	84.6	81.6	80.7	84.5	85.3	84.1	82.4	81.3	78.5	78.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
90.2	90.4	91.3	95.5	95.4	93.7	95.0	96.6	96.2	94.4	92.9	92.2	88.1	70.8	86.7	86.8

TM30

Hue Bin	R_f	Chroma	Hue
1	90	-5%	1%
2	90	-3%	4%
3	91	-1%	5%
4	95	0%	2%
5	95	2%	2%
6	94	3%	1%
7	95	1%	-3%
8	97	-1%	0%
9	96	-1%	1%
10	94	-1%	3%
11	93	3%	3%
12	92	4%	-1%
13	88	4%	-13%
14	71	-2%	-16%
15	87	-3%	-10%
16	87	-5%	-7%

2200K

2213 K

CRI: 93.4

CRI R9: 60.6

TM30 Rf: 92.1

TM30 Rg: 100.6

CQS: 86.1

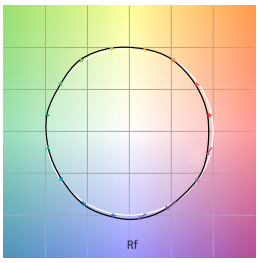
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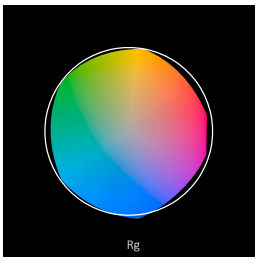
Y: 0.413

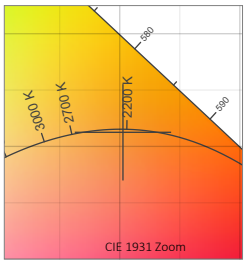
U: 0.290

V: 0.356

Δuv: -0.0009







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.1	98.2	98.8	93.9	94.5	97.3	89.9	80.2	60.6	94.9	96.3	90.8	95.4	98.9	88.9
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
82.8	88.5	86.9	86.3	88.4	88.0	85.3	85.4	90.2	89.4	88.5	87.2	86.5	82.9	82.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
90.5	91.9	89.1	94.7	95.4	94.0	94.3	98.0	96.0	93.5	91.7	91.6	90.5	78.7	92.1	86.7

TM30

Hue Bin	R_f	Chroma	Hue
1	91	-5%	0%
2	92	-4%	3%
3	89	-1%	5%
4	95	0%	2%
5	95	2%	3%
6	94	4%	1%
7	94	0%	-3%
8	98	0%	-1%
9	96	-1%	1%
10	93	-1%	4%
11	92	3%	5%
12	92	4%	1%
13	90	4%	-9%
14	79	1%	-15%
15	92	-1%	-5%
16	87	-4%	-9%

2400K

2416 K

CRI: 92.7

CRI R9: 58.5

TM30 Rf: 91.4

TM30 Rg: 100.3

CQS: 88.0

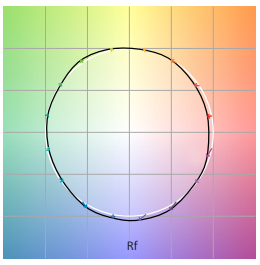
X: 0.482

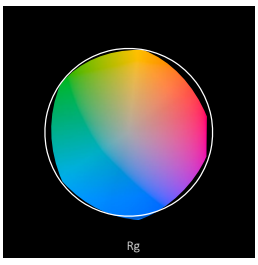
Y: 0.411

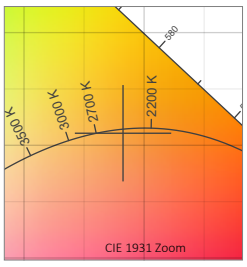
U: 0.277

V: 0.354

Δuv: -0.0012







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.1	97.3	98.7	92.5	93.1	97.1	90.0	79.7	58.5	92.9	93.9	87.0	94.4	98.9	88.4
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
85.3	92.1	87.6	86.8	89.6	89.6	86.9	87.5	93.7	91.4	90.1	88.8	88.5	84.8	84.6
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
90.5	91.1	87.5	93.6	94.9	94.1	93.7	97.0	94.9	91.6	89.7	90.1	89.3	83.9	92.2	85.7

TM30

Hue Bin	R_f	Chroma	Hue
1	91	-5%	0%
2	91	-4%	4%
3	87	-1%	6%
4	94	0%	2%
5	95	2%	3%
6	94	4%	0%
7	94	0%	-3%
8	97	-1%	-1%
9	95	-2%	2%
10	92	-2%	5%
11	90	3%	7%
12	90	4%	1%
13	89	5%	-9%
14	84	4%	-11%
15	92	-1%	-5%
16	86	-4%	-10%

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-10-28-25

SHIELD-SW24/5.0

LED Strips with Silicone Jacket Color Data

2700K

2700 K

CRI: 93.6

CRI R9: 64.2

TM30 Rf: 90.7

TM30 Rg: 97.9

CQS: 90.6

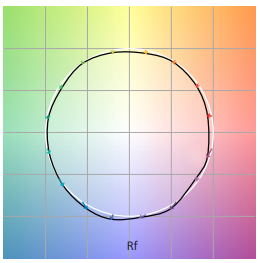
X: 0.458

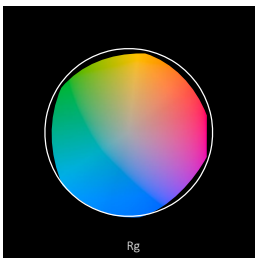
Y: 0.407

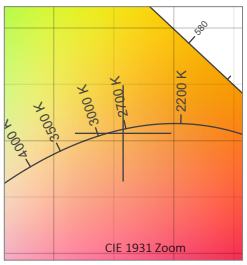
U: 0.263

V: 0.350

Δuv: -0.0013







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.6	98.8	98.1	92.8	94.3	96.8	90.7	82.5	64.2	95.7	93.8	82.5	96.1	99.6	90.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
87.9	94.1	90.0	87.2	89.0	91.4	92.1	91.7	96.2	94.8	93.2	92.0	91.6	88.0	88.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
89.8	92.4	92.4	92.3	94.4	95.8	93.6	95.2	89.7	87.1	88.4	89.9	90.4	87.6	90.7	85.2

TM30			
Hue Bin	R_f	Chroma	Hue
1	90	-5%	2%
2	92	-3%	2%
3	92	-1%	3%
4	92	-4%	-1%
5	94	-3%	1%
6	96	-1%	1%
7	94	-4%	1%
8	95	-2%	2%
9	90	-2%	6%
10	87	1%	9%
11	88	4%	8%
12	90	6%	-1%
13	90	2%	-7%
14	88	3%	-10%
15	91	-4%	-2%
16	85	-3%	-11%

3000K

3036 K

CRI: 93.2

CRI R9: 63.3

TM30 Rf: 90.1

TM30 Rg: 97.4

CQS: 90.6

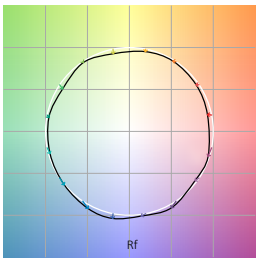
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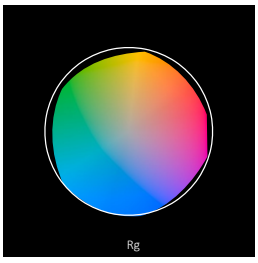
Y: 0.401

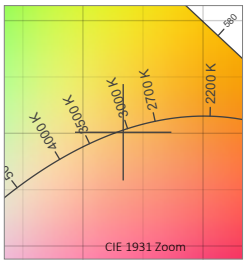
U: 0.250

V: 0.346

Δuv: -0.0008







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.8	97.9	98.6	91.8	92.9	96.0	91.5	83.0	63.3	93.3	92.3	77.5	95.2	99.2	90.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
88.2	95.3	88.7	85.7	88.2	90.5	92.3	92.7	97.5	95.0	93.3	92.6	92.3	88.1	88.4
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
89.6	92.2	92.1	92.7	91.9	96.1	89.8	94.2	89.0	83.6	86.0	89.9	91.6	87.7	87.8	85.2

TM30			
Hue Bin	R_f	Chroma	Hue
1	90	-5%	2%
2	92	-3%	2%
3	92	-1%	3%
4	93	-3%	0%
5	92	-5%	1%
6	96	-1%	0%
7	90	-6%	2%
8	94	-3%	2%
9	89	-2%	7%
10	84	0%	10%
11	86	4%	10%
12	90	6%	1%
13	92	2%	-6%
14	88	4%	-9%
15	88	-2%	-5%
16	85	-2%	-11%

3500K

3574 K

CRI: 93.7

CRI R9: 71.4

TM30 Rf: 90.9

TM30 Rg: 99.1

CQS: 92.0

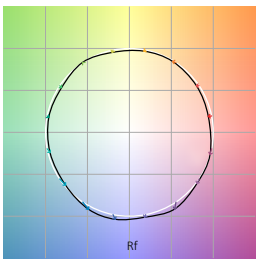
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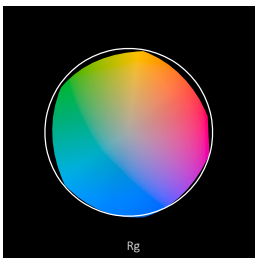
Y: 0.387

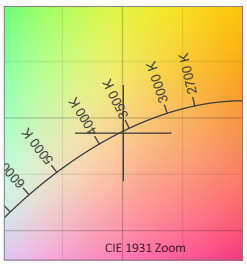
U: 0.234

V: 0.339

Δuv: -0.0008







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.4	96.3	95.7	93.6	93.0	93.2	94.9	88.2	71.4	89.3	93.2	72.6	95.0	97.0	92.4
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.6	98.7	86.2	85.3	90.1	92.6	93.1	94.8	98.0	94.4	93.5	94.0	94.6	91.5	92.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
91.5	93.4	91.1	92.6	92.5	96.1	94.2	94.9	91.4	85.0	84.2	89.0	94.3	89.3	89.7	87.8

TM30			
Hue Bin	R_f	Chroma	Hue
1	91	-4%	0%
2	93	-3%	2%
3	91	-1%	4%
4	93	-2%	2%
5	92	-3%	2%
6	96	0%	0%
7	94	-3%	1%
8	95	-2%	1%
9	91	-3%	5%
10	85	-2%	10%
11	84	3%	10%
12	89	5%	4%
13	94	3%	-2%
14	89	6%	-6%
15	90	1%	-6%
16	88	-1%	-7%

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-10-28-25

SHIELD-SW24/5.0

LED Strips with Silicone Jacket Color Data

4000K

4133 K

CRI: 92.9

CRI R9: 67.1

TM30 Rf: 88.0

TM30 Rg: 95.6

CQS: 90.6

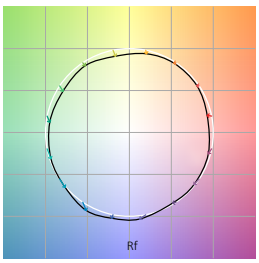
X: 0.374

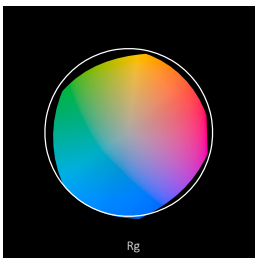
Y: 0.371

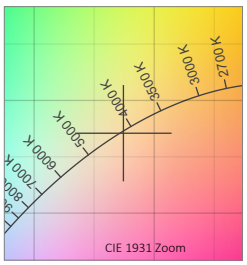
U: 0.223

V: 0.332

Δuv: -0.0009







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.6	99.4	97.4	89.8	92.3	94.7	90.7	84.6	67.1	96.4	91.0	68.7	97.0	99.6	91.5
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
86.5	95.7	88.9	83.6	85.7	87.7	93.0	94.9	98.9	97.7	95.1	94.4	94.0	90.0	89.4
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
88.0	92.3	93.3	90.6	89.1	92.9	88.6	87.2	83.4	81.5	84.4	91.1	88.2	91.3	83.9	84.3

TM30			
Hue Bin	R_f	Chroma	Hue
1	88	-5%	2%
2	92	-2%	2%
3	93	-2%	2%
4	91	-4%	-2%
5	89	-8%	-1%
6	93	-5%	0%
7	89	-7%	3%
8	87	-5%	7%
9	83	-2%	12%
10	81	0%	12%
11	84	6%	9%
12	91	4%	-1%
13	88	4%	-8%
14	91	-1%	-4%
15	84	-1%	-9%
16	84	-3%	-7%

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-10-28-25