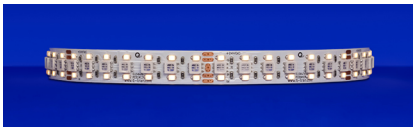
RGBW-HE24/4.0

LED Strips - RGBW High Efficacy



- High efficacy dynamic color LED linear strip
- 21 diodes per 2" cut point, 7 for RGB and 14 for static white
- Delivers more color and a more brilliant white
- Ambient operating temp: -4-125°F
- Installation temp: 50-100°F | Storage temp: -4-176°F
- Calculated L70 = 51000 hrs

1 V/WATTS	2 RATED	3 CCT	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT	6 WIRE COLOR	7 WIRE TYPE	8 ILLUMINATED LENGTH
RGBW-HE24/4.0							

Sample Part Number: **RGBW-HE24/4.0-DRY-RGBW-27-BW-CLS-WH-CL2-48"**

1 V/WATTS

RGBW-HE24/4.0

Voltage: 24VDC
Wattage: 4.0W/ft
See following pages for compatible power supplies.

2 RATED

DRY	IP20
DMP	IP54
WET	IP67

3 CCT

RGBW-27
RGBW-30
RGBW-35
RGBW-40

4 CONNECTOR/WIRE IN

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

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

6 WIRE COLOR

WH	White
BK	Black

7 WIRE TYPE

CL2	Class 2
CL2P	Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

8 ILLUMINATED LENGTH

DRY: 2"-288" in 2" increments
DMP: 2"-288" in 2" increments
WET: 2"-288" in 2" increments

Dry version also available in reel lengths of 24' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.

COMPATIBLE EXTRUSIONS

	WIDE	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN	POSH
DRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
DMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
WET	✓			✓	✓	✓	✓			✓ EXCLUDES 30°, 45°, 60° LENS		✓	✓		✓ NO LENS	

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 | QTL recommends RGBW-HE strips be mounted in an extrusion | Title 24 - JA8-2019 Strips: DRY and WET rated, 2000K and above | All RGBW-HE strips are recommended to be connected to lead wire at QTL factory | QTL does not recommend use with optical lenses

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RGBW-HE24/4.0

LED Strips - RGBW High Efficacy

3 CCT – LUMENS/CRI - DELIVERED LUMENS

DRY

[Calculated L70 = 51000 hrs]
Tested with RGBW-HE24/4.0-DRY

CCT	Lumen/ft	Luminous Efficacy	Wavelength	Circuit Wattage
Red	40	53 Lm/W	629	0.77
Green	153	123 Lm/W	516	1.2
Blue	33	31 Lm/W	465	1.1

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	89	103 Lm/W	96	98	94	100	0.86
3000K	94	108 Lm/W	97	97	93	100	0.86
3500K	104	128 Lm/W	98	98	92	100	0.82
4000K	99	122 Lm/W	97	91	91	99	0.82

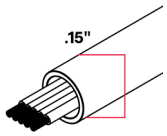
TEMPERATURE RATINGS

	Min	Max
Ambient Operating Temp - Surface	-4°F	125°F
Storage Temp	-4°F	176°F
Installation Temp	-50°F	100°F

4/5 CONNECTOR/WIRE – IN/OUT

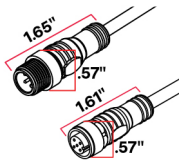
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

BW



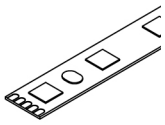
Bare Wire 24"
24 AWG

CON6/CON24



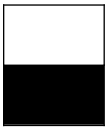
6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed

CLS



Not soldered

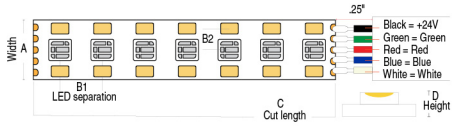
6 WIRE COLOR



White

Black

8 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B1	B2	C	D
DRY (IP20)	0.39"	0.27"	0.13"	2.00"	0.08"
DMP (IP54)	0.39"	0.27"	0.13"	2.00"	0.08"
WET (IP67)	0.47"	0.27"	0.13"	2.00"	0.18"

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RGBW-HE24/4.0

LED Strips - RGBW High Efficacy

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
	RGBW, RGBW-HE	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DALI-DT8-PS QOM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

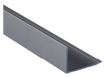
COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO



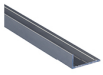
QUOVA Knife Edge

BL-GRAZER



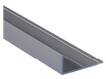
Backwards L Mounting Bracket

BL-MICRO



Backwards L Mounting Bracket

BL-LARGE



Backwards L Mounting Bracket

SD-L-LARGE



L Mounting Bracket

SD-L-MEDIUM



L Mounting Bracket

SD-L-MICRO



L Mounting Bracket

SD-J-LARGE



J Mounting Bracket

iQ-STRAP

Plastic strap, Fits all LED strips

iQ-CLIP-SS10



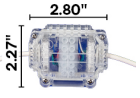
Metal clip, WET STRIP ONLY

iQ-CLIP-PL

Plastic clip, Fits WET strip

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

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Specification subject to change. Rev-08-07-26

RGBW-HE24/4.0

LED Strips - RGBW High Efficacy

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

DMX-US3



DMX-based controller

UX8



Easy-to-use DMX-based controller

iQ-DMX-STICK-CW4



DMX controller for changing color & dimming

iQ-DMX-STICK-DE3



DMX controller for changing color & dimming

iQ-DMX-STICK-GA2



DMX controller for changing color & dimming

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage

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RGBW-HE24/4.0

LED Strips - Lumen Multiplier

Finish

ST Satin finish **BK** Black finish **BZ** Bronze finish

Lens

CL Clear **FR** Frosted **PR** Polar **DF** Diffused



Lumen Multiplier Formula

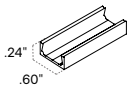
Bare LED Lumens x Extrusion Finish/Lens Value

Example:

94 lm/ft x 0.83 = 78.02 lm/ft

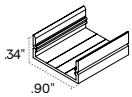
RGBW-HE24/4.0 in 3000K x WIDE Extrusion in Black with CL Lens

SLIM



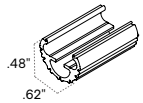
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.91	0.83	N/A
DF	0.74	0.62	N/A

WIDE



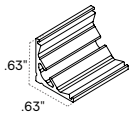
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.91	0.83	0.83
PR	0.85	0.77	0.77
DF	0.78	0.63	0.63

ROND



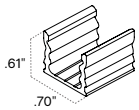
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.85	**	N/A
FR	0.80	**	N/A
DF	0.57	**	N/A

ARKA



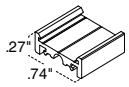
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.97	0.96	0.96
FR	0.93	0.95	0.95
PR	0.90	0.92	0.92
DF	0.82	0.69	0.69

TORQ



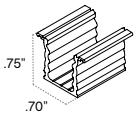
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.87	0.80	0.80
FR	0.73	0.75	0.75
PR	0.71	0.73	0.73
DF	0.61	0.39	0.39
ENC/CL	0.65	0.80	0.80
ENC/TL	0.56	0.60	0.60

TRE3



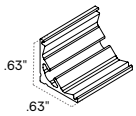
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
DF	0.81	N/A	N/A

FLUR



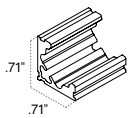
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.83	0.60	N/A
FR	0.66	0.48	N/A
PR	0.62	0.42	N/A
DF	0.53	0.30	N/A
ENC/CL	0.64	0.47	N/A
ENC/TL	0.49	0.36	N/A

TELA



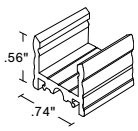
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.87	0.86	0.86
PR	0.88	0.88	0.88
DF	0.82	0.81	0.81

VEVE



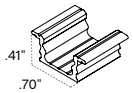
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.90	0.76	N/A
FR	0.81	0.67	N/A
PR	0.81	0.64	N/A
DF	0.72	0.50	N/A

TALO



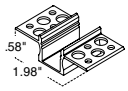
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.87	0.70	N/A
FR	0.85	0.70	N/A
PR	0.80	0.63	N/A
DF	0.71	0.50	N/A

LATO



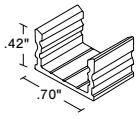
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.91	0.74	0.74
FR	0.81	0.66	0.66
PR	0.81	0.64	0.64
DF	0.71	0.50	0.50
ENC/CL	0.78	0.71	0.71
ENC/TL	0.64	0.48	0.48

MDIN-S



Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
DF	0.56	N/A	N/A

LALO



Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.86	0.70	N/A
FR	0.85	0.69	N/A
PR	0.80	0.62	N/A
DF	0.70	0.49	N/A

Diode free or near Diode free

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Specification subject to change. Rev-02-27-24

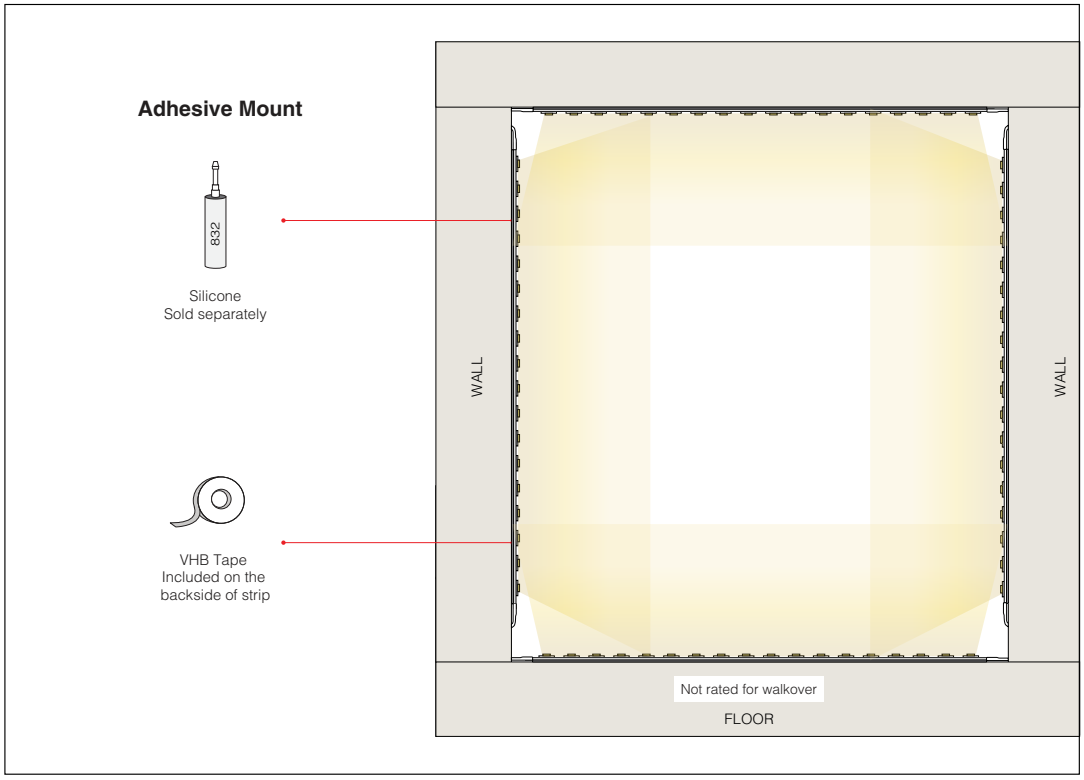
LINEAR LED STRIP RGBW, RGBW-HE

Installation Instructions

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 — Warranty only valid with QTL power supplies
- Suitable for DRY, DAMP, and WET locations
- Suitable for installation in storage area of a clothes closet when assembled as a finished extrusion up to 4W/ft at QTL facility
- Temp Rating: Refer to cut sheet
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.
- Once a wet strip or a damp strip is cut, it cannot be reconnected.

METHODS OF INSTALLATION:



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.*

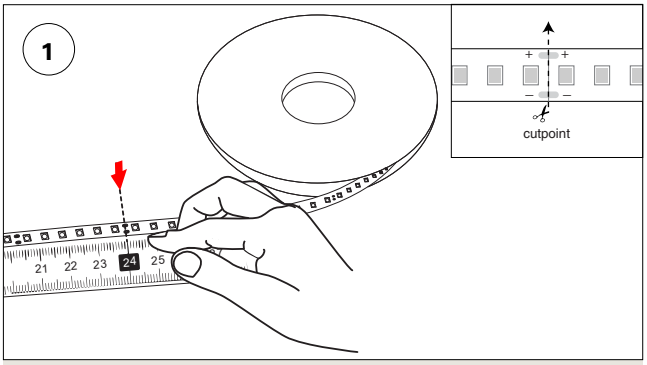
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LINEAR LED STRIP RGBW, RGBW-HE

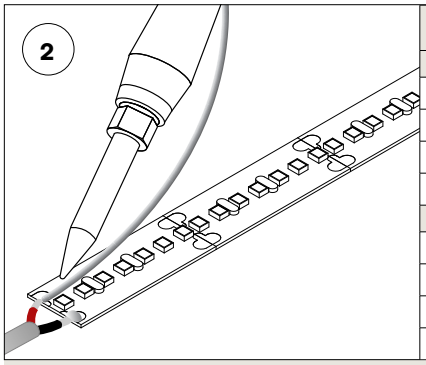
Installation Instructions

LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: **DRY IP20**

If LED wires are pre-soldered from the factory, skip to page 5.



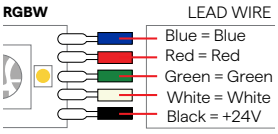
Measure and cut LED strip to desired length with scissors along the cut point.

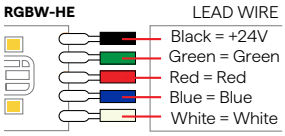


ITEMS INCLUDED
iQ-LED-24-KIT
(1) 24" Lead wire
(1) 6" Solder
(1) 1" Shrink Tube
(1) 1/2" Shrink Tube
iQ-JUMP-6-KIT
(1) 6" Lead wire
(1) 6" Solder
(2) 1" Shrink Tube
(2) 1/2" Shrink Tube

Solder lead wire onto solder pad. Confirm wires are matched up correctly before soldering. See wiring diagrams below for specific light engine details.

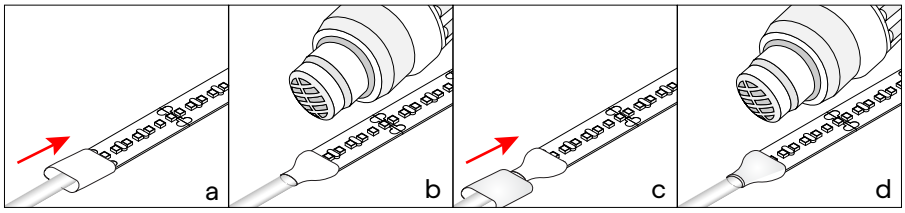
NOTE: Recommended soldering iron temperature of 650˚ – 700˚F for lead-free solder.





3

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



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

a: Place 1st sleeve (1/2" Shrink Tube) on lead wire.

b: Shrink the tube with heat gun.

c: Place 2nd sleeve (1" Shrink Tube) on lead wire.

d: Shrink the tube with heat gun.

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.*

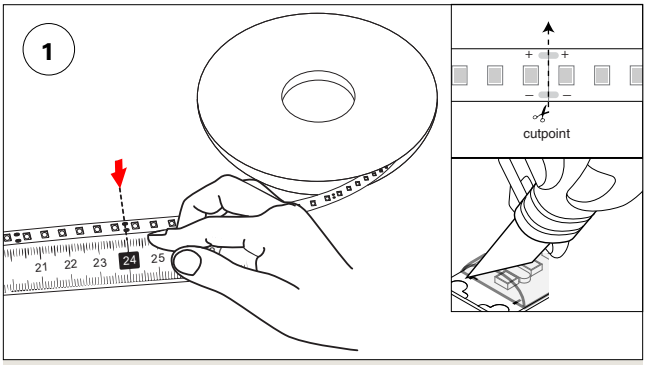
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LINEAR LED STRIP RGBW, RGBW-HE

Installation Instructions

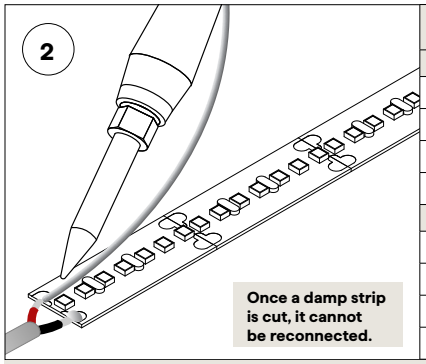
LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: **DMP IP54**

If LED wires are pre-soldered from the factory, skip to page 5.



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

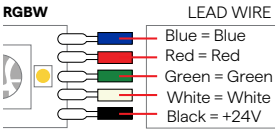
- Carefully peel polyurethane back to expose the solder pads.

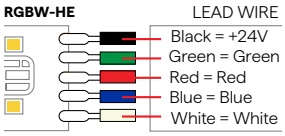


ITEMS INCLUDED
iQ-LED-24-KIT
(1) 24" Lead wire
(1) 6" Solder
(1) 1" Shrink Tube
(1) 1/2" Shrink Tube
iQ-JUMP-6-KIT
(1) 6" Lead wire
(1) 6" Solder
(2) 1" Shrink Tube
(2) 1/2" Shrink Tube

Solder lead wire onto solder pad. Confirm wires are matched up correctly before soldering. See wiring diagrams below for specific light engine details.

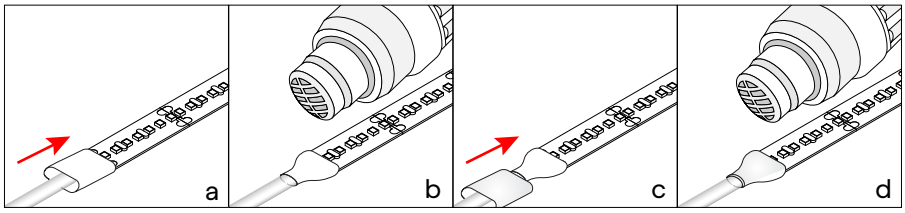
NOTE: Recommended soldering iron temperature of 650˚ – 700˚F for lead-free solder.





3

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



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

a: Place 1st sleeve (1/2" Shrink Tube) on lead wire.

b: Shrink the tube with heat gun.

c: Place 2nd sleeve (1" Shrink Tube) on lead wire.

d: Shrink the tube with heat gun.

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.*

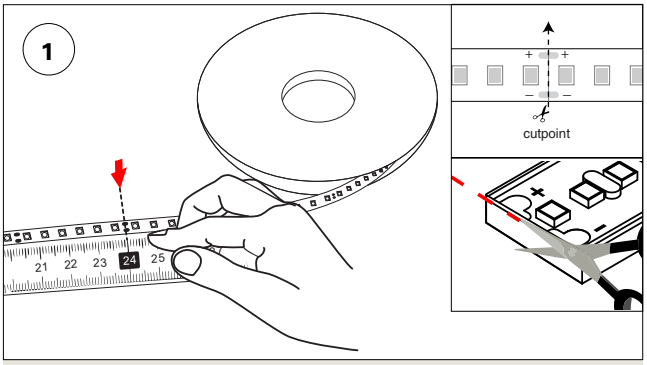
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LINEAR LED STRIP RGBW, RGBW-HE

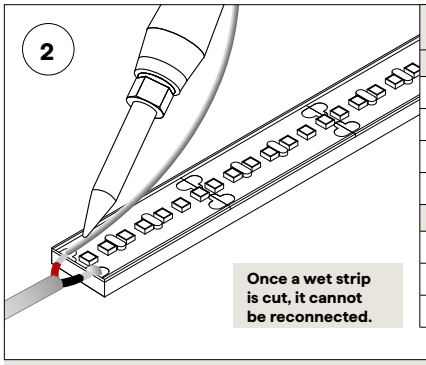
Installation Instructions

LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: **WET IP67**

If LED wires are pre-soldered from the factory, skip to page 5.



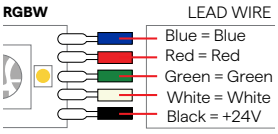
Measure and cut LED strip to desired length with scissors along the cut point.

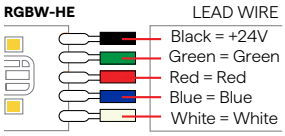


ITEMS INCLUDED
iQ-LED-67-KIT
(1) 24" Lead wire
(1) 6" Solder
(1) Lead wire cap
(1) End Cap
iQ-JUMP-67-KIT
(1) 6" Lead wire
(1) 6" Solder
(2) Lead wire Caps

Solder lead wire onto solder pad. Confirm wires are matched up correctly before soldering. See wiring diagrams below for specific light engine details.

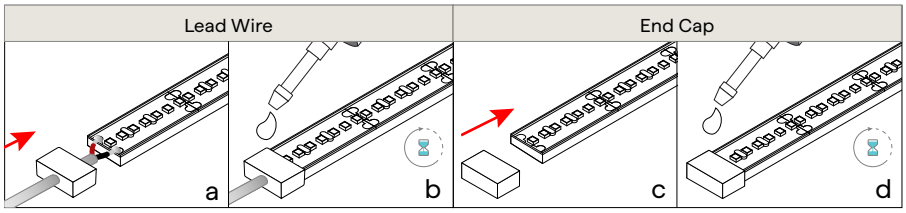
NOTE: Recommended soldering iron temperature of 650˚ – 700˚F for lead-free solder.





3

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



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

a: Place lead wire cap over wire

b: Add silicone inside connector and glue around the edge to secure gap; allow time for glue to dry.

c: Place end cap over the end of LED

d: Add silicone inside connector and glue around the edge to secure gap; allow time for glue to dry.

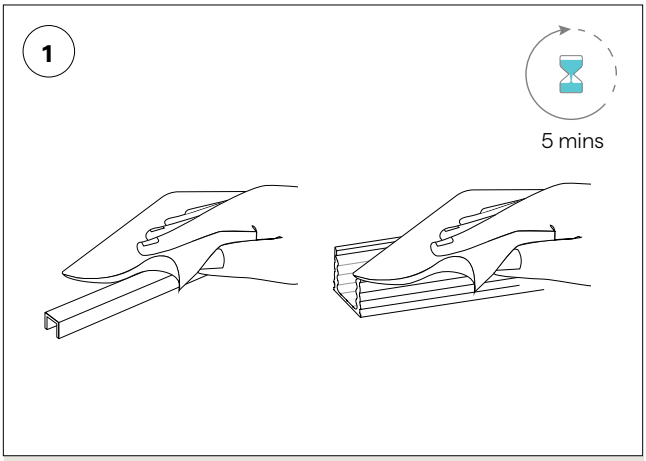
NOTES:

- *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.*

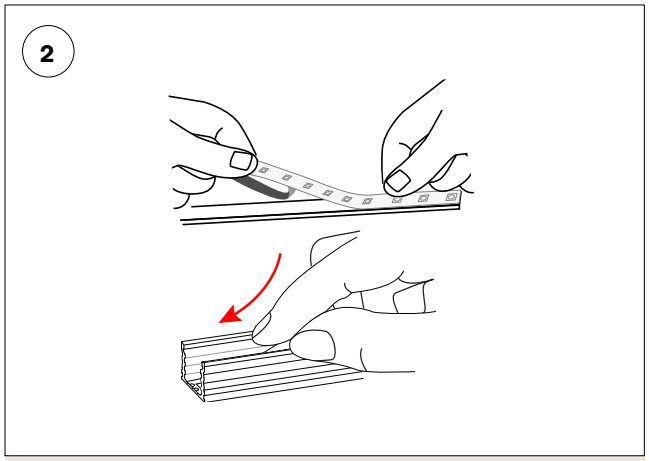
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LED INSERTION FOR IN-FIELD ASSEMBLY INSTALLATION

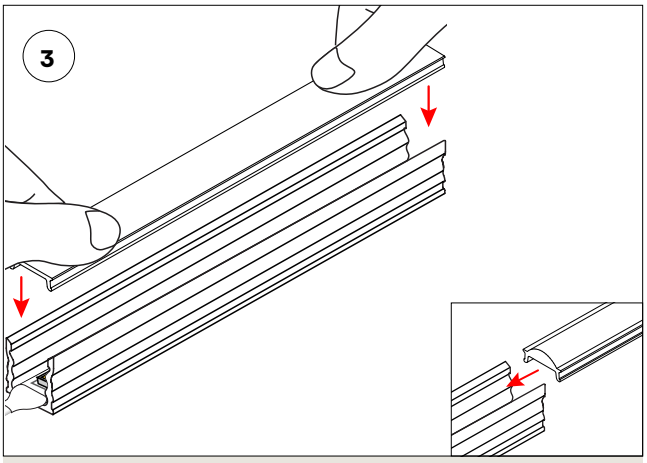
STRIP IN EXTRUSION



Using a 50/50 alcohol mix thoroughly clean the surface of the extrusion and the multi-tray surface. Allow time to dry (about 5 minutes).

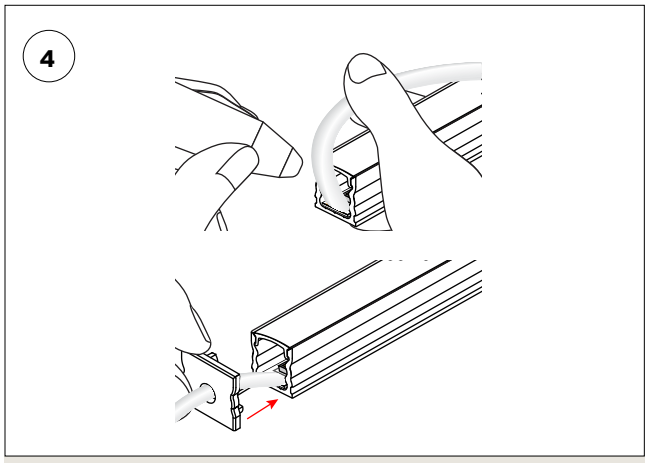


Gently place LED in extrusion/tray. Apply firm pressure to the bonding surface. This will reduce the chances of dust and debris from contaminating adhesive. The smallest amount of exposed adhesive is the best case.



Flat Lenses: Apply uniform pressure until the extrusion and lens snap securely together.

Optical Lenses: Starting from one end of the extrusion, slide the lens into the grooved lip of the extrusion until secured in place.



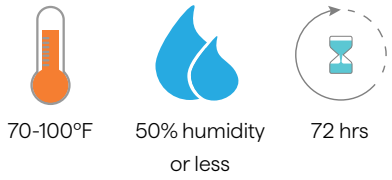
Add glue inside the end cap and glue around edges to secure end cap in place. Do not allow glue to come in contact with LED.

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SURFACE MOUNTING METHOD

SURFACE PREPARATION

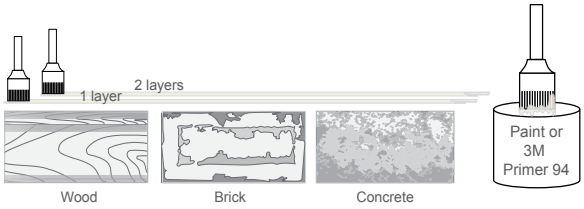
1



Temperature and environmental concerns:

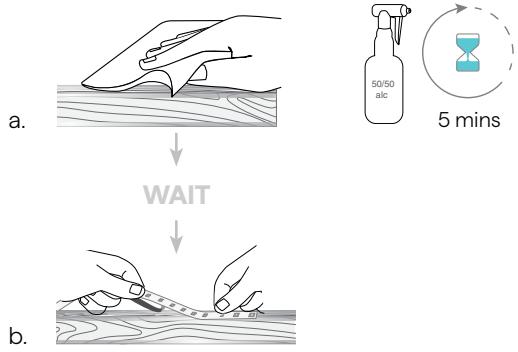
- Ideal application environment is 70-100°F in 50% humidity or less.
- Minimum application temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum bond strength.

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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RGBW-HE24/4.0

Linear LED Strips Color Data

RED

0 K

CRI: 0.0

CRI R9: 0.0

TM30 Rf: 0.0

TM30 Rg: 0.0

CQS: 0.0

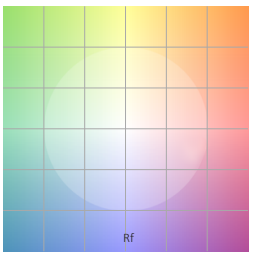
X: 0.642

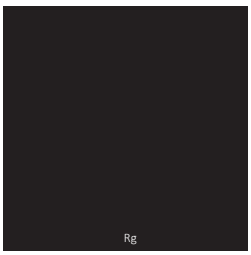
Y: 0.298

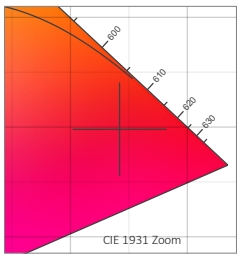
U: 0.485

V: 0.338

Δuv: n/a







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TM30			
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%

GREEN

0 K

CRI: 0.0

CRI R9: 0.0

TM30 Rf: 0.0

TM30 Rg: 0.0

CQS: 0.0

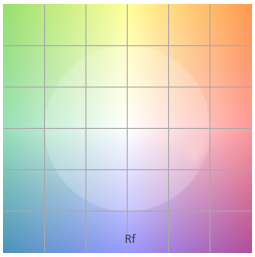
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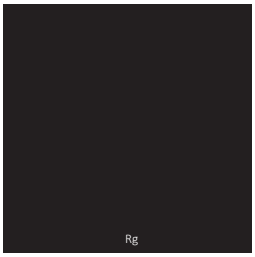
Y: 0.713

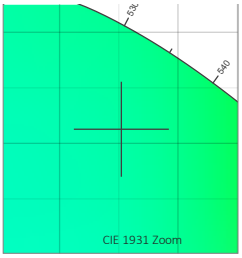
U: 0.054

V: 0.380

Δuv: n/a







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TM30			
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%

BLUE

0 K

CRI: 0.0

CRI R9: 0.0

TM30 Rf: 0.0

TM30 Rg: 0.0

CQS: 0.0

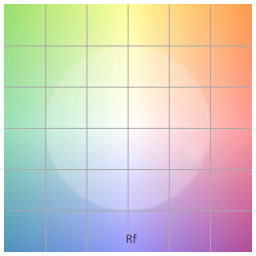
X: 0.136

Y: 0.060

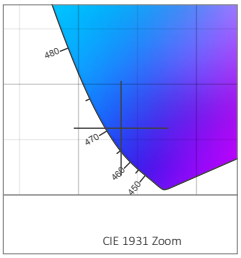
U: 0.158

V: 0.105

Δuv: n/a







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TM30			
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%

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-03-11-24

RGBW-HE24/4.0

Linear LED Strips Color Data

2700K

2714 K

CRI: 96.4

CRI R9: 98.2

TM30 Rf: 93.6

TM30 Rg: 99.6

CQS: 94.8

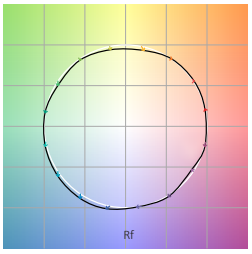
X: 0.456

Y: 0.405

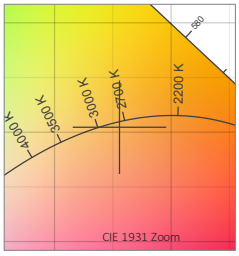
U: 0.263

V: 0.350

Δuv: -0.0019







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.7	96.4	99.3	97.0	95.4	93.1	96.6	97.8	98.2	94.3	94.8	85.5	95.3	98.4	96.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
90.8	94.5	95.8	94.8	94.4	94.7	97.5	97.1	97.3	96.9	96.9	96.7	97.3	93.9	93.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.9	96.8	95.9	91.5	94.7	96.4	91.9	95.8	91.5	91.8	92.9	91.6	92.4	93.6	92.6	92.4

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	2%
2	97	1%	-1%
3	96	0%	-1%
4	91	-4%	-4%
5	95	-4%	0%
6	96	-1%	2%
7	92	-3%	5%
8	96	0%	3%
9	92	1%	5%
10	92	3%	5%
11	93	5%	3%
12	92	4%	-4%
13	92	0%	-6%
14	94	1%	-4%
15	93	-3%	1%
16	92	0%	-5%

3000K

3040 K

CRI: 96.6

CRI R9: 96.6

TM30 Rf: 92.8

TM30 Rg: 99.5

CQS: 94.8

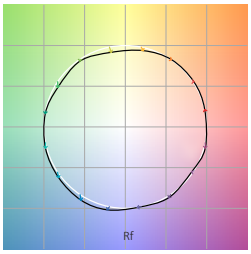
X: 0.431

Y: 0.397

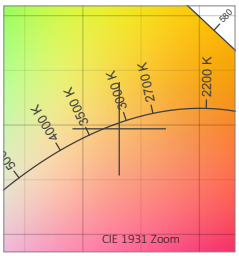
U: 0.250

V: 0.345

Δuv: -0.0022







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.8	96.6	99.4	97.5	95.8	94.0	96.4	97.2	96.6	94.7	96.4	82.6	95.5	98.6	95.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
90.5	95.4	94.5	93.2	93.4	94.6	97.9	97.6	98.1	97.8	98.0	97.7	98.0	94.9	93.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.4	96.4	95.8	91.7	92.2	96.2	89.1	95.4	90.7	89.0	90.9	92.3	93.4	93.4	91.4	91.5

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

3500K

3562 K

CRI: 97.5

CRI R9: 97.6

TM30 Rf: 92.4

TM30 Rg: 99.9

CQS: 95.2

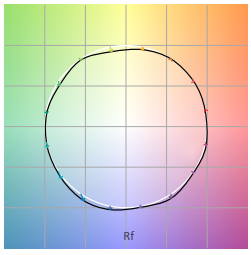
X: 0.400

Y: 0.383

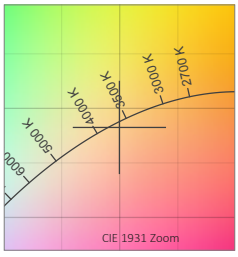
U: 0.235

V: 0.338

Δuv: -0.0024







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.4	98.4	97.6	98.7	97.3	96.0	97.3	97.5	97.6	99.0	98.4	76.6	97.6	97.8	96.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.8	98.3	91.0	90.0	93.1	96.5	97.3	98.2	98.4	98.5	98.2	99.1	99.4	97.2	95.9
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.5	96.7	96.1	93.0	91.5	96.9	92.6	94.4	90.7	86.8	87.6	92.1	95.3	92.6	90.9	90.6

TM30			
Hue Bin	R_f	Chroma	Hue
1	94	0%	1%
2	97	0%	0%
3	96	0%	0%
4	93	-3%	-2%
5	91	-6%	-1%
6	97	-1%	1%
7	93	-4%	4%
8	94	-1%	3%
9	91	0%	6%
10	87	2%	9%
11	88	5%	7%
12	92	4%	1%
13	95	1%	-3%
14	93	4%	-3%
15	91	1%	-2%
16	91	1%	-4%

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-03-11-24

RGBW-HE24/4.0

Linear LED Strips Color Data

4000K

4128 K

CRI: 96.9

CRI R9: 90.8

TM30 Rf: 91.3

TM30 Rg: 99.3

CQS: 94.2

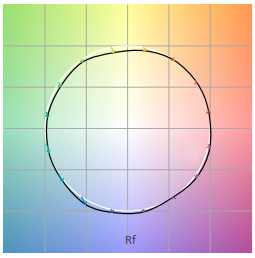
X: 0.374

Y: 0.370

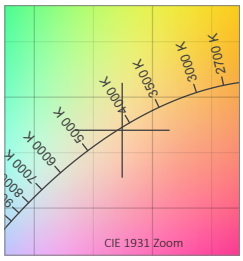
U: 0.224

V: 0.332

Δuv: -0.0013







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	99.0	96.9	97.1	96.4	95.9	96.8	95.4	90.8	99.2	98.5	70.9	97.9	97.6	94.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
91.2	98.3	89.7	87.6	90.9	93.9	98.1	98.7	97.8	98.7	98.4	99.7	99.7	97.9	95.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
93.5	96.2	95.8	91.7	90.0	95.2	92.1	90.8	87.1	85.7	86.0	93.8	94.2	94.4	89.8	89.8

TM30			
Hue Bin	R_f	Chroma	Hue
1	94	0%	1%
2	96	0%	-1%
3	96	0%	-1%
4	92	-4%	-2%
5	90	-7%	-1%
6	95	-3%	1%
7	92	-4%	3%
8	91	-2%	5%
9	87	-1%	10%
10	86	1%	9%
11	86	5%	9%
12	94	3%	2%
13	94	3%	-1%
14	94	0%	0%
15	90	2%	-3%
16	90	2%	-4%

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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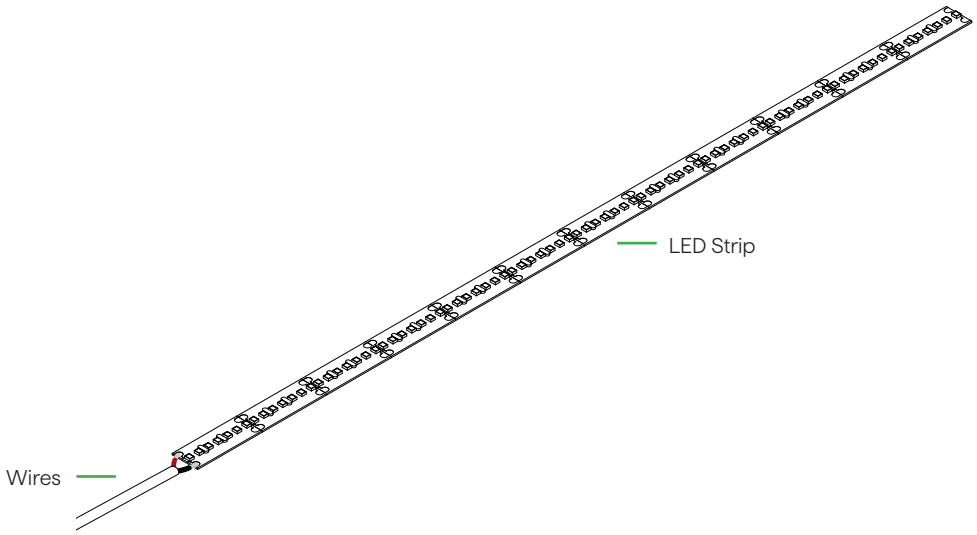
Specification subject to change. Rev-03-11-24

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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