

# RESOURCE GUIDE - BUILDING A FIXTURE

## STRIP - DYNAMIC COLOR - RGB24/6.0



### BUILDING A FIXTURE

- 1 Fill out the ordering code on the STRIP cutsheet, choosing "MATCH" for ILLUMINATED LENGTH (IN).

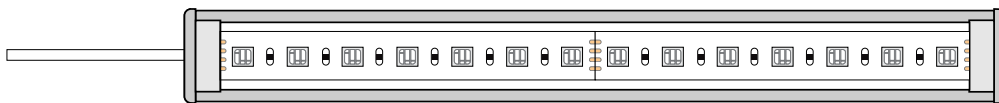
V/WATTS	RATED	CCT - LUMENS/CRI	<sup>3</sup> CONNECTOR/ WIRE IN	<sup>3</sup> CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
RGB24/6.0	DRY	RGB	BW	CLS	MATCH

The strip you just created will now be *fitted* and installed into an extrusion. The strip and extrusion will not be equal in length; the strip will stop just short of the extrusion's endcaps.



- 2 Fill out the ordering code for the EXTRUSION cutsheet and choose a non-encapsulated lens (Clear, Frosted, Polar, or Diffused).

PRODUCT	FINISH	MOUNTING	LENS	TYPE	FINISHED FIXTURE LENGTH (IN)
TORQ	ST	SST	CL	S1	12"



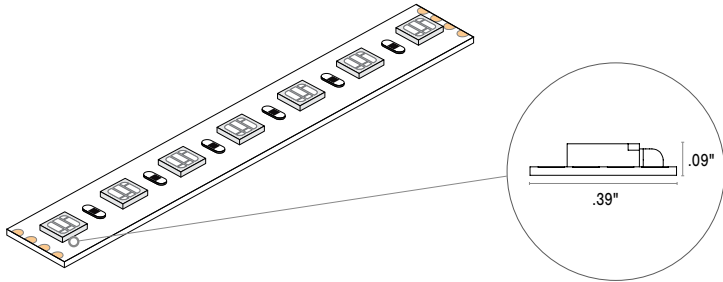
# RESOURCE GUIDE - LINEAR & EXTRUSION STRIP - DYNAMIC COLOR - RGB24/6.0



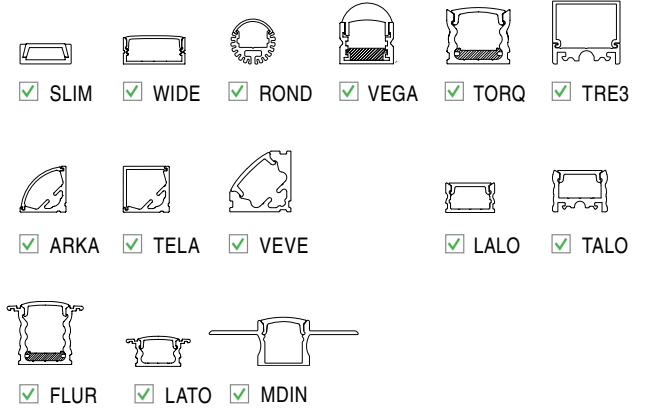
## RATED

### DRY (IP20)

- 2" Cutpoints
- Field Cuttable
- Lengths up to 192"

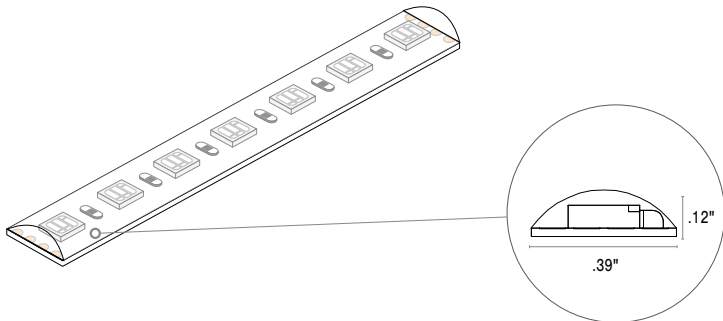


### COMPATIBLE EXTRUSIONS

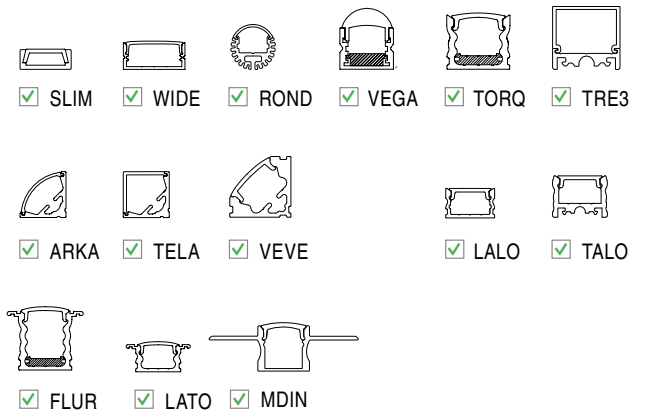


### DMP (IP54)

- Encapsulated in Polyurethane
- 2" Cutpoints
- Lengths up to 180"

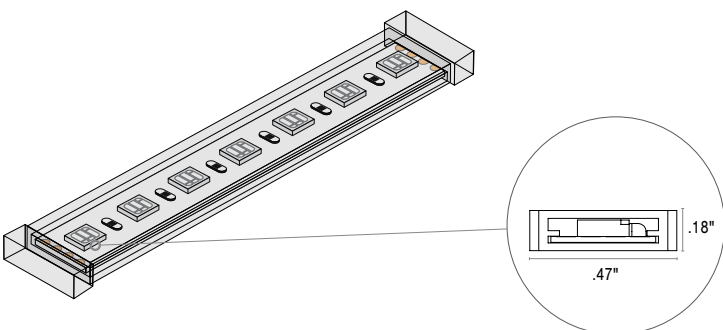


### COMPATIBLE EXTRUSIONS



### WET (IP67)

- Enclosed in silicone sleeving
- 2" Cutpoints
- Lengths up to 192"



### COMPATIBLE EXTRUSIONS



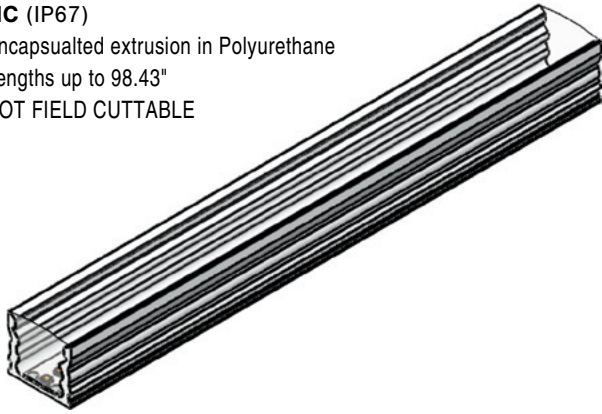
# RESOURCE GUIDE - LINEAR & EXTRUSION STRIP - DYNAMIC COLOR - RGB24/6.0



## RATED

### ENC (IP67)

- Encapsulated extrusion in Polyurethane
- Lengths up to 98.43"
- NOT FIELD CUTTABLE



### COMPATIBLE EXTRUSIONS:



# RESOURCE GUIDE - ENCAPSULATION STRIP - DYNAMIC COLOR - RGB24/6.0

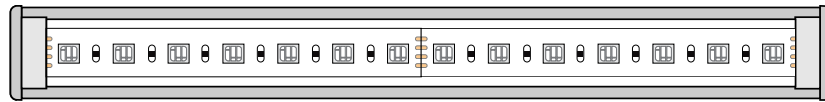


## BUILDING AN ENCAPSULATED FIXTURE

- 1 Fill out the ordering code on the STRIP cutsheet, choosing "ENC" for RATED and "MATCH" for ILLUMINATED LENGTH (IN).

V/WATTS	RATED	CCT - LUMENS/CRI	<sup>3</sup> CONNECTOR/ WIRE IN	<sup>3</sup> CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
RGB24/6.0	ENC	RGB	BW	CLS	MATCH

The strip you just created will now be *fitted* and installed into an extrusion. The strip and extrusion will not be equal in length; the strip will stop just short of the extrusion's endcaps.



- 2 Fill out the ordering code for the EXTRUSION cutsheet and choose an encapsulated lens (ENC/CL or ENC/TL).

PRODUCT	FINISH	MOUNTING	LENS	TYPE	FINISHED FIXTURE LENGTH (IN)
TORQ	ST	SST	ENC/CL	S1	12"



# RESOURCE GUIDE - COLOR DATA

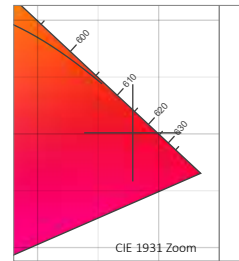
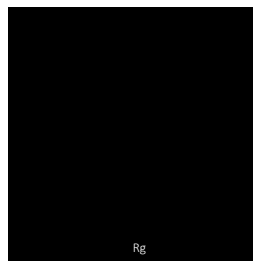
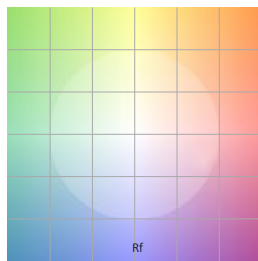
## STRIP - DYNAMIC COLOR - RGB24/6.0



### RED



**CRI: 0.0**  
**CRI R9: 0.0**  
**TM30 Rf: 0.0**  
**TM30 Rg: 0.0**  
**CQS: 0.0**  
**X: 0.679**  
**Y: 0.301**  
**U: 0.517**  
**V: 0.344**  
**Δuv: n/a**



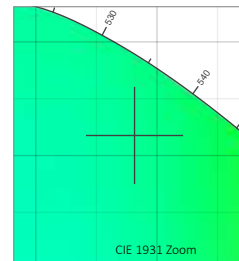
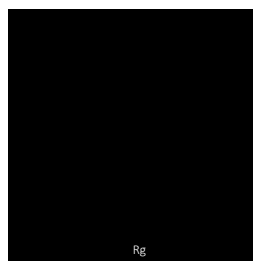
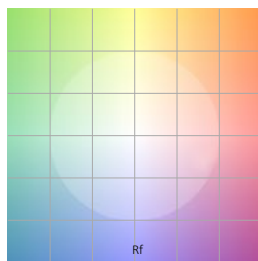
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.0	0.0	0.0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



**CRI: 0.0**  
**CRI R9: 0.0**  
**TM30 Rf: 0.0**  
**TM30 Rg: 0.0**  
**CQS: 0.0**  
**X: 0.181**  
**Y: 0.718**  
**U: 0.065**  
**V: 0.383**  
**Δuv: n/a**



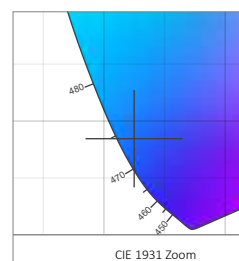
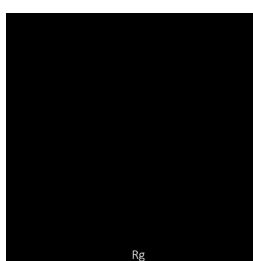
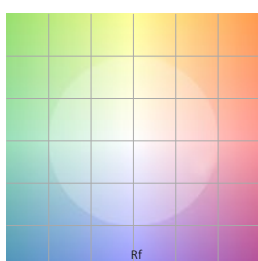
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.0	0.0	0.0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



**CRI: 0.0**  
**CRI R9: 0.0**  
**TM30 Rf: 0.0**  
**TM30 Rg: 0.0**  
**CQS: 0.0**  
**X: 0.125**  
**Y: 0.084**  
**U: 0.133**  
**V: 0.135**  
**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 <sub>f</sub>	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

# RESOURCE GUIDE - COLOR DATA

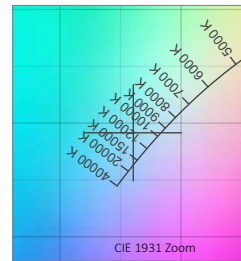
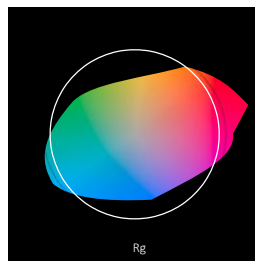
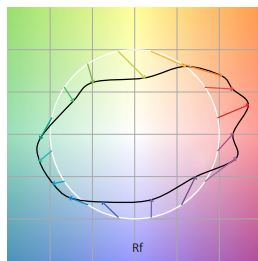
## STRIP - DYNAMIC COLOR - RGB24/6.0



ALL

12282 K

**CRI:** 43.9  
**CRI R9:** -218.5  
**TM30 Rf:** 49.3  
**TM30 Rg:** 90.8  
**CQS:** 48.7  
**X:** 0.261  
**Y:** 0.291  
**U:** 0.174  
**V:** 0.293  
 **$\Delta uv$ :** 0.0112



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
33.2	52.5	69.8	52.1	53.8	51.3	47.3	-9.1	-218.5	-5.1	61.1	55.9	33.7	81.1	6.7	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
47.3	50.8	53.8	57.7	86.5	81.1	72.7	69.4	58.6	30.8	19.5	15.1	35.0	72.6	52.1	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
31.9	40.1	23.7	36.1	28.9	62.8	74.4	60.5	70.4	73.0	49.0	60.7	57.4	41.0	47.6	48.7

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	32	39%	8%
2	40	26%	-20%
3	24	14%	-47%
4	36	-10%	-43%
5	29	-37%	-25%
6	63	-21%	7%
7	74	-18%	8%
8	61	9%	27%
9	70	17%	9%
10	73	13%	-5%
11	49	5%	-22%
12	61	-14%	-22%
13	57	-20%	4%
14	41	-18%	32%
15	48	15%	43%
16	49	14%	23%

**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

# RESOURCE GUIDE - CONNECTORS/WIRE

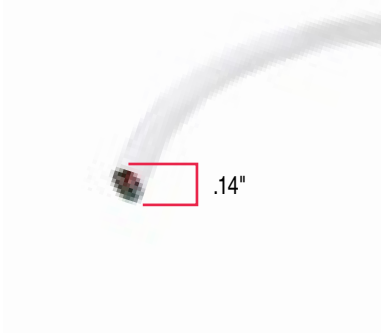
## STRIP - DYNAMIC COLOR - RGB24/6.0



### CONNECTORS/WIRE

#### BARE WIRE

- Belden Wire
- Outdoor rated
- 24" Standard length



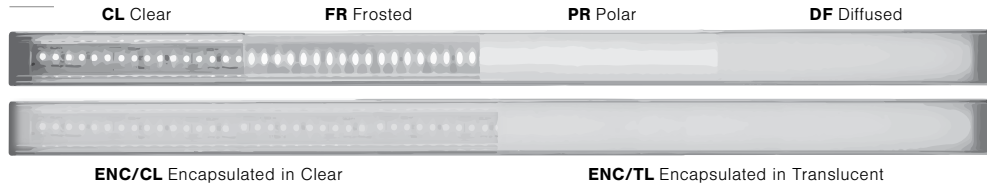
# RESOURCE GUIDE - LUMEN MULTIPLIER STRIP IN EXTRUSION



## FINISH

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

## LENS



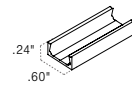
## LUMEN MULTIPLIER FORMULA

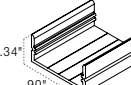
Bare LED Lumens x Extrusion Finish/Lens Value

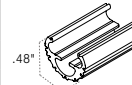
Example:

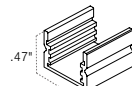
$$100 \text{ lm/ft} \times 0.68 = 68 \text{ lm/ft}$$

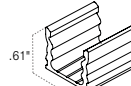
RGB24/6.0 in RED x TORQ Extrusion in Black with FR Lens

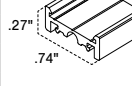
SLIM	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.90	0.82	Not Available
	DF	0.70	0.59	Available

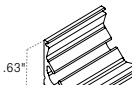
WIDE	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.86	0.78	0.78
	PR	0.80	0.72	0.72
	DF	0.73	0.59	0.59

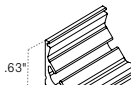
ROND	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.84	**	Not Available
	FR	0.81	**	Not Available
	DF	0.57	**	Available

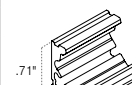
VEGA	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.89	Not Available	Not Available
	DF	0.70	0.59	Available

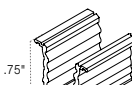
TORQ	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.74	0.68	0.68
	FR	0.66	0.68	0.68
	PR	0.62	0.64	0.64
	DF	0.50	0.32	0.32

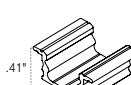
TRE3	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	DF	0.78	Not Available	Not Available
	CL	0.84	**	Not Available

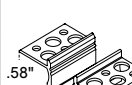
ARKA	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.96	0.95	0.95
	FR	0.91	0.93	0.93
	PR	0.88	0.90	0.90
	DF	0.79	0.66	0.66


TELA	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.86	0.85	0.85
	PR	0.86	0.86	0.86
	DF	0.79	0.78	0.78
	FR	0.66	0.68	0.68

VEVE	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.83	0.70	Not Available
	FR	0.76	0.63	Not Available
	PR	0.74	0.58	Not Available
	DF	0.63	0.44	Not Available

FLUR	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.71	0.51	Not Available
	FR	0.59	0.43	Not Available
	PR	0.55	0.37	Not Available
	DF	0.44	0.25	Available

LATO	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	CL	0.85	0.69	0.69
	FR	0.77	0.63	0.63
	PR	0.76	0.60	0.60
	DF	0.64	0.45	0.45

MDIN	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
	DF	0.57	Not Available	Not Available
	CL	0.84	**	Not Available

 Diode free or near Diode free

**NOTES:** • Data subject to change, all data has +/- 5% tolerance



# ACCESSORIES

## STRIP RGB24/6.0



### MOUNTING

<b>iQ-STRAP-10*</b> QTY	<b>iQ-CLIP-SS10</b> QTY	<b>iQ-CLIP-SS12</b> QTY	<b>iQ-CLIP-PL</b> QTY	<b>iQ-VHB-STD</b> QTY	<b>iQ-VHB-CON</b> QTY
Sold: In packs of 10	Sold: Individually	Sold: Individually	Sold: Individually	Sold: In feet	Sold: In feet
Rubber Strap Fits DRY, DMP, WET	Metal Clip Fits DMP, WET	Metal Clip Fits DMP	Rubber Clip Fits DMP, WET	Adhere LED to smooth surface including extrusion	Adhere LED to concrete surface

\*1 strap included with every 1 ft. of bare LED

### KITS & WIRE

- iQ-LEAD-18-KIT** Includes (1) 18" Dry lead wire, (1) 1" heat shrink tubing, (1) 1/2" heat shrink tubing, (1) 6" solder
- iQ-JUMP-6-KIT** Includes (1) 6" Dry lead wire, (2) 1" heat shrink tubing, (2) 1/2" heat shrink tubing, (1) 6" solder
- iQ-LEAD-67-KIT** Includes (1) 18" lead wire, (1) 6" solder, (1) lead wire end cap, (1) end cap
- iQ-JUMP-67-KIT** Includes (1) 16" lead wire, (1) 6" solder, (2) lead wire end cap

<b>iQ-LEAD-18-KIT</b>	QTY	Sold individually
<b>iQ-JUMP-6-KIT</b>	QTY	Sold individually
<b>iQ-LEAD-67-KIT</b>	QTY	Sold individually
<b>iQ-JUMP-67-KIT</b>	QTY	Sold individually

PROJECT NAME	DATE	COMPANY	TYPE	NOTE