



FLEX SERIES IP67

# FLEX SQUARE

WET RATED



The FLEX series is the ideal linear LED fixture for architectural spaces where the light will be in direct view. As the name implies, these LEDs are flexible and can be easily molded into different curvatures. The enclosure and the lens allow for a perfect monochromatic light source with no hot spots. All of Q-Tran's FLEX series LEDs are made with high quality SMD LED chips, are UV and flame resistant, and are extremely energy efficient. The FLEX Square is available in white in a variety of different color temperatures; 2700K, 3000K, 3500K and 4000K. Flex Square provides an alternative to glass Neon tube for indoor, outdoor, signage & architectural applications.

<b>iQ67</b>	-	<b>FLS</b>	-	<b>80</b>	-	<b>3.3</b>	-	
iQ series		Color Temp		Flex series		CRI		Watts Per FT Length

## iQ67-27-FLS-80-3.3

Max Run / Reel Length: 30ft | Color Temp: 2700K | Voltage: 24VDC  
CRI: 80+ | Watts Per Ft: 3.3 | FLS=Flex Square

## iQ67-30-FLS-80-3.3

Max Run / Reel Length: 30ft | Color Temp: 3000K | Voltage: 24VDC  
CRI: 80+ | Watts Per Ft: 3.3 | FLS=Flex Square | Lumens per foot: 165

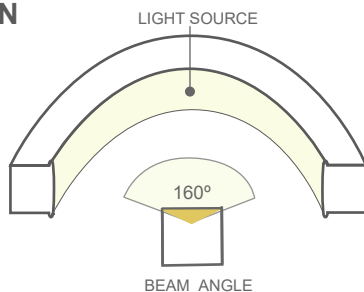
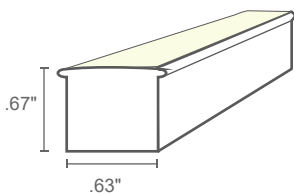
## iQ67-35-FLS-80-3.3

Max Run / Reel Length: 30ft | Color Temp: 3500K | Voltage: 24VDC  
CRI: 80+ | Watts Per Ft: 3.3 | FLS=Flex Square

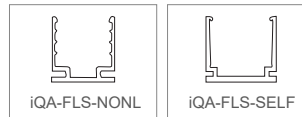
## iQ67-40-FLS-80-3.3

Max Run / Reel Length: 30ft | Color Temp: 4000K | Voltage: 24VDC  
CRI: 80+ | Watts Per Ft: 3.3 | FLS=Flex Square

### STANDARD DIMENSION



### COMPATIBLE EXTRUSIONS



### FEATURES

- High quality SMD LED chip
- Ambient temperature: -4°F ~ +113°F
- UV & Flame resistant construction
- Uniform & Even light source with no LED "hotspots"
- 11.81" min. bending diameter
- Run lengths up to 60 feet\*

\*For runs greater than 30 feet, 2 independent 100W drivers are required. One powering and wired to each end.

- Environmentally friendly & energy efficient
- UL 2108 – Low Voltage Lighting Systems
- UL 1598 – Luminaires
- 2 year warranty

**NOTE:** The warranty is only valid if compatible power supplies are used.

### COMPATIBLE POWER SUPPLIES

#### Interior Applications

- Q6M-DC+CAP
- QTM-eLED, QTM-DC+CAP
- iQ-PH

#### Exterior Applications

- QOM-eLED, QOM-DC+CAP
- Q-SET-eLED
- iQ-PH

### CUTTING INSTRUCTIONS:

This flex light can be cut on the dotted line mapped on the unit at every 2.19".

Lead wire comes in 11.5" (18/2 AWG)



2019 0606 - V01

PROJECT NAME	DATE	COMPANY	TYPE	NOTE

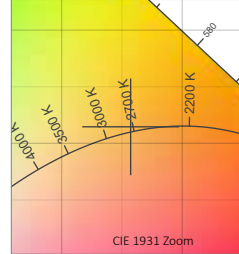
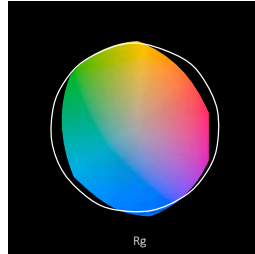
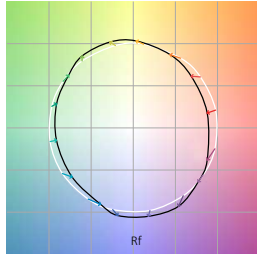


# FLEX SERIES IP67 COLOR DATA

## 2700K

2772 K

**CRI:** 81.2  
**CRI R9:** 15.9  
**TM30 Rf:** 81.5  
**TM30 Rg:** 96.9  
**CQS:** 80.7  
**X:** 0.457  
**Y:** 0.415  
**U:** 0.259  
**V:** 0.352  
 **$\Delta uv$ :** 0.0017



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
78.9	87.5	95.1	78.9	77.4	82.8	85.8	63.0	15.9	70.9	75.6	61.6	80.2	96.8	73.3	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
78.5	95.5	79.2	76.1	79.2	78.6	79.3	84.4	95.6	86.9	84.1	82.5	82.1	72.7	74.6	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.6	78.6	72.0	83.3	89.5	89.5	82.2	88.2	85.2	79.6	75.0	81.0	87.7	80.5	81.4	76.7

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	79	-10%	-1%
2	79	-9%	7%
3	72	-3%	13%
4	83	2%	9%
5	89	5%	6%
6	89	5%	-3%
7	82	-1%	-10%
8	88	-5%	-4%
9	85	-8%	0%
10	80	-7%	10%
11	75	-3%	16%
12	81	6%	7%
13	88	6%	-3%
14	81	7%	-12%
15	81	0%	-10%
16	77	-6%	-15%

**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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# COMPATIBLE EXTRUSIONS

## iQA-FLS-NONL: Non-Self-locking aluminum profile

<b>Length</b>	: 1.5, 19.75, 39.5, 79 in
<b>Dimension</b>	: 0.75 x 0.72 x 0.74 in
<b>Material</b>	: Anodized Aluminum
<b>Fits</b>	: Flex Square
<b>Screws</b>	: 0.72 x 0.27 in

## iQA-FLS-SELF: Self-locking aluminum profile (Used with clip)

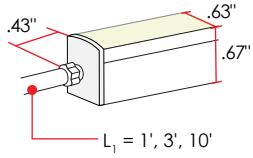
<b>Length</b>	: 1.5, 19.75, 39.5, 79 in
<b>Dimension</b>	: 0.81 x 0.79 x 0.79 in
<b>Material</b>	: Anodized Aluminum
<b>Fits</b>	: Flex Square
<b>Screws</b>	: 0.72 x 0.27 in



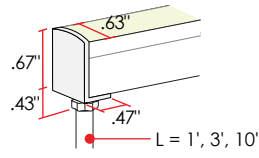
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# TYPES OF CONNECTOR

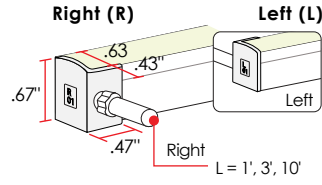
## INJECTION-MOLDED CONNECTOR



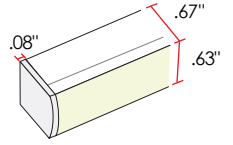
**FLS - IMFC -**   
FRONT L = 1', 3', 10'



**FLS - IMBC -**   
BACK L = 1', 3', 10'

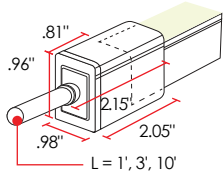


**FLS - IMSC -**  -   
SIDE L or R L = 1', 3', 10'

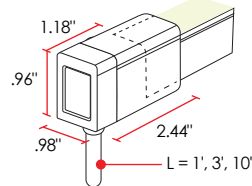


**FLS - IMEC**  
END CAP

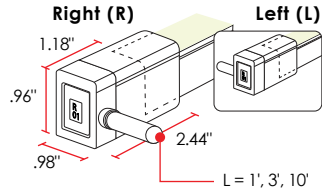
## SNAP CONNECTOR



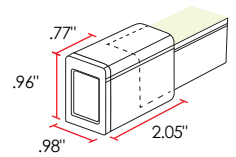
**FLS - SNFC -**   
FRONT L = 1', 3', 10'



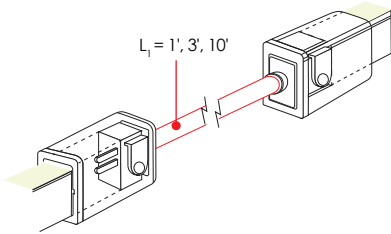
**FLS - SNBC -**   
BACK L = 1', 3', 10'



**FLS - SNSC -**  -   
SIDE L or R L = 1', 3', 10'



**FLS - SNEC**  
END CAP



**FLS - SNJC -**   
JUMPER L = 1', 3', 10'