



# iQLED IP66 WET RATED OUTERBEND

A versatile, flexible LED power strip that is bendable in a variety of different directions. Great light source for indoor and covered outdoor applications with a rating of IP66 which is water resistant to protect against the elements. Outerbend is offered in 2 Color Temperatures; 2700K & 3000K 2.6 watts per foot.

<b>iQ66</b>	-	<b>OBD</b>	-	<b>90</b>	-	<b>2.6</b>	-	
iQ Series		Type		CRI		Watt Per ft		Length

## iQ66-27-OBD-90-2.6

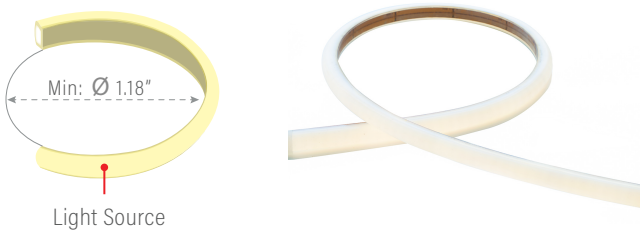
Max Run / Reel Length: 98ft\* | ColorTemp: 2700K | Voltage: 24VDC  
CRI: 90+ | LM: 79 | Watts Per Ft: 2.6 | Lumens Per Ft: 114

## iQ66-30-OBD-90-2.6

Max Run / Reel Length: 98ft\* | ColorTemp: 3000K | Voltage: 24VDC  
CRI: 90+ | LM: 79 | Watts Per Ft: 2.6 | Lumens Per Ft: 116

\*Maximum length for one run of iQ66 Outerbend 2.6. For runs greater than 49 feet, separate power feeds needed at each end. Power supply cut sheets will provide max distance/loads per power supply.

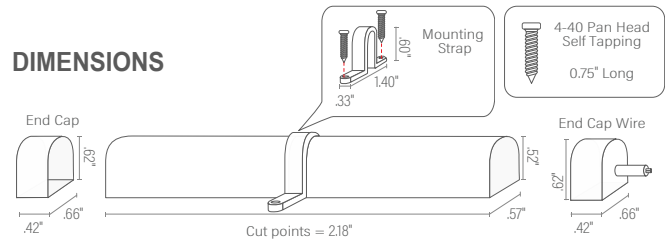
### FLEXIBILITY



### FEATURES

- LED lifetime - 30,000 hours
- Operating temperature: -40°F ~ +176°F
- V-2 flame retardance
- Silicone housing is UV-resistant
- Ingress protection rating IP66(Dot-Free)
- Outdoor/indoor decoration lighting
- Decoration lighting, Architecture lighting
- Minimum bending diameter 1.18"
- 2.18" cut points
- 5 year warranty

### DIMENSIONS



### COMPATIBLE POWER SUPPLIES

#### Interior Applications

- Q6S-DC
- Q6M-DC+CAP
- QTM-DC
- QTM-DC+CAP
- QTM-eLED
- QTM-eLED(L)
- QTM-eLED(E)
- iQ-PH

#### Exterior Applications

- QOM-eLED
- QOM-DC
- 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 2.18"



2017.V01

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



# iQ LED PHOTOMETRIC

## iQ66 2.6 W/Ft

### iQ66-27-OBD-90-2.6

Light efficiency:

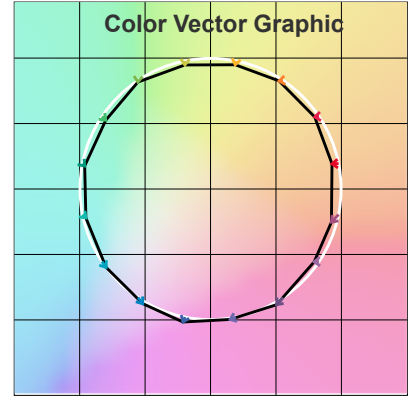
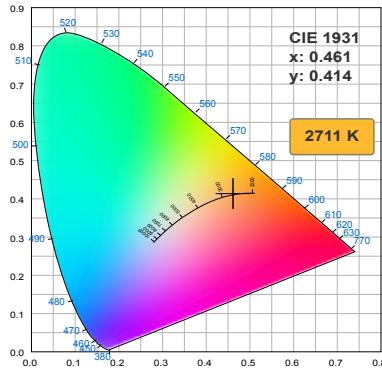
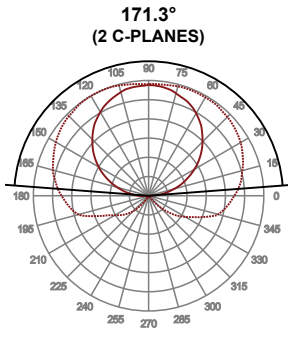
44 Lumen/Watt

CRI:

93.1

Color temperature:

2711K



Electrical Test Condition for 1 foot

**Output:** 114 lm/ft **Peak:** 20.6 cd **Power:** 2.6 W/ft **24V@ 0.11A**

#### COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2711 K	93.1	61.2	91.1	96.9	91.2	0.461	0.414	0.262	0.352	0.0010

CRI R Values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.9	97.1	99.3	92.3	92.7	97.1	91.8	81.9	61.2	92.6	93.3	84.6	94.0	99.4	88.5

#### BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
171.3°	226.2°	238.5°	47.7%	29.9%

Beam Intensities in Footcandles (from 1-20m)

3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
1.8	0.5	0.2	0.1	0.1	0.1	0	0	0	0

Hue Bin	R <sub>f</sub>	Graphics Shift	
		Chroma	Hue
1	89	-5%	1%
2	92	-3%	2%
3	92	-2%	3%
4	93	-3%	0%
5	95	-3%	1%
6	96	-1%	1%
7	93	-4%	1%
8	95	-2%	2%
9	91	-2%	4%
10	89	0%	7%
11	90	2%	7%
12	91	4%	-1%
13	91	1%	-6%
14	88	2%	-9%
15	91	-3%	-3%
16	86	-4%	-9%

### iQ66-30-OBD-90-2.6

Light efficiency:

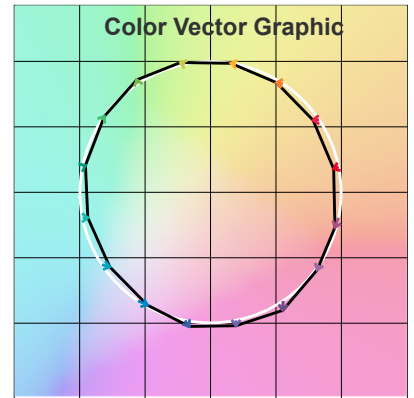
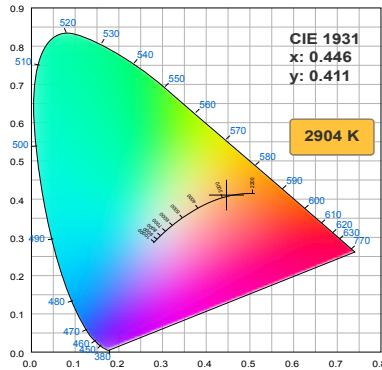
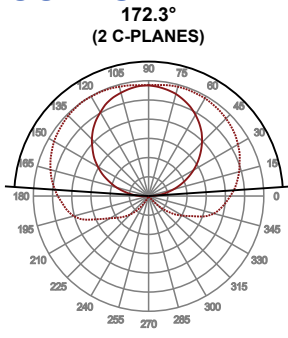
45 Lumen/Watt

CRI:

91.2

Color temperature:

2904K



Electrical Test Condition for 1 foot

**Output:** 116 lm/ft **Peak:** 20.8 cd **Power:** 2.6 W/ft **24V@ 0.11A**

#### COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2904 K	91.2	65.5	90.2	100.0	89.9	0.446	0.411	0.254	0.350	0.0014

CRI R Values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90.9	93.1	93.9	91.6	89.7	90.1	94.6	85.7	65.5	83.1	90.7	75.2	91.0	95.9	88.7

#### BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
172.3°	227°	238.8°	47.5%	29.7%

Beam Intensities in Footcandles (from 1-20m)

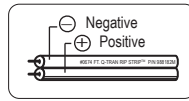
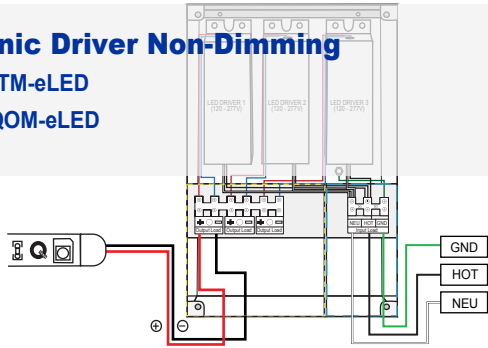
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
1.9	0.5	0.2	0.1	0.1	0.1	0	0	0	0

Hue Bin	R <sub>f</sub>	Graphics Shift	
		Chroma	Hue
1	91	-4%	-1%
2	91	-4%	3%
3	86	-2%	6%
4	91	0%	5%
5	94	2%	4%
6	94	3%	-1%
7	92	0%	-4%
8	95	-2%	-2%
9	93	-4%	1%
10	88	-4%	6%
11	85	-1%	10%
12	87	4%	5%
13	93	4%	-1%
14	89	6%	-5%
15	91	1%	-5%
16	86	-1%	-10%

# iQLED IP66 WET RATED COMPATIBLE POWER SUPPLIES

## Electronic Driver Non-Dimming

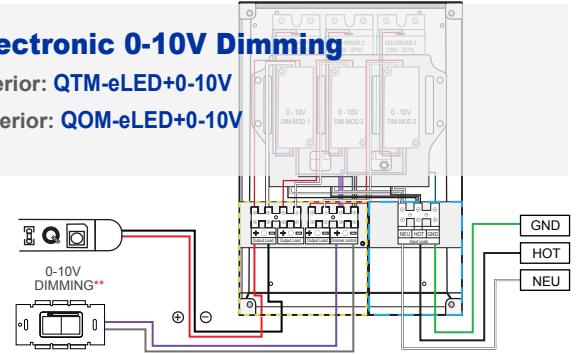
Interior: QTM-eLED  
Exterior: QOM-eLED



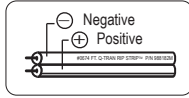
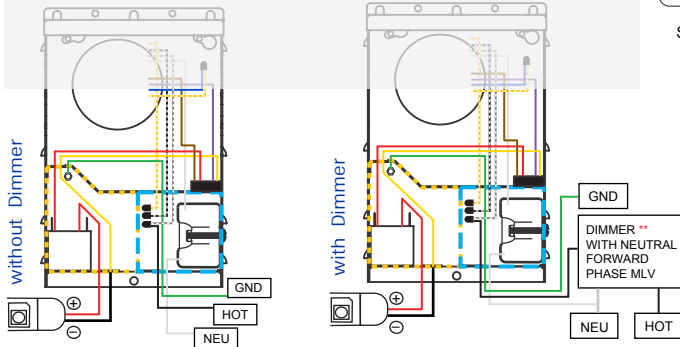
SECONDARY .....  
PRIMARY ----

## Electronic 0-10V Dimming

Interior: QTM-eLED+0-10V  
Exterior: QOM-eLED+0-10V

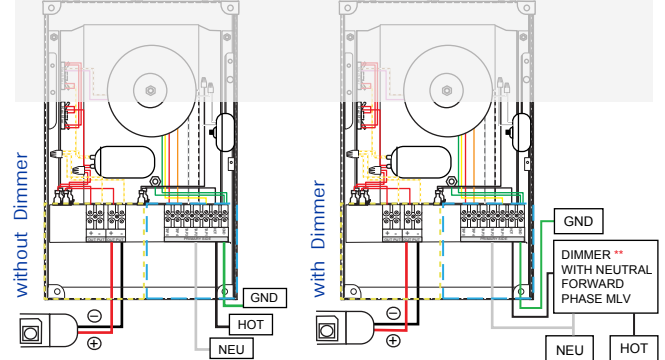


## Magnetic Interior: Q6S-DC or QTM-DC (DC) Exterior: QOM-DC



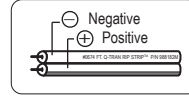
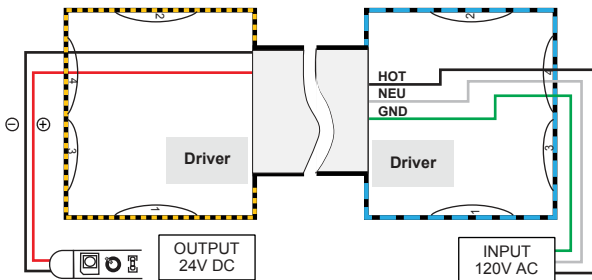
SECONDARY .....  
PRIMARY ----

## Magnetic Interior: Q6M-DC+CAP or QTM-DC+CAP (DC+CAP) Exterior: QOM-DC+CAP



## Phase Controlled Dimming

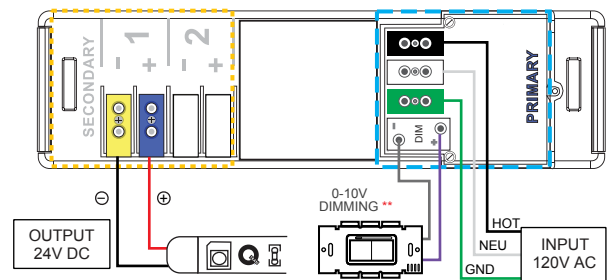
Interior and Exterior: iQ-PH



SECONDARY .....  
PRIMARY ----

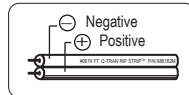
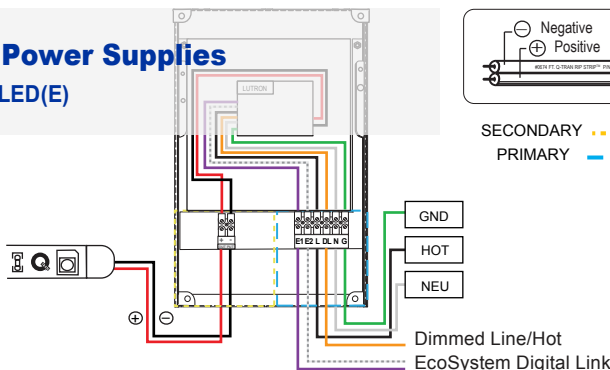
## Electronic with 0-10V Dimming options

Exterior: Q-SET-eLED+0-10V



## Electronic Power Supplies

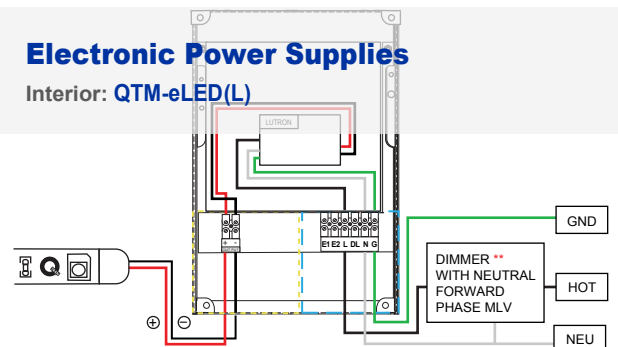
Interior: QTM-eLED(E)



SECONDARY .....  
PRIMARY ----

## Electronic Power Supplies

Interior: QTM-eLED(L)



\*\*Customer provided