



iQ LED TAPE LIGHT **iQ65 SERIES** **MULTI-COLOR WHITE: WET RATED**



Q-Tran's iQ Multi-Color + White LED combines a 3 color RGB chip with a high CRI white chip to provide a full spectrum of colors and/or a crisp white. The white chip is available in 2700K or 3000K. This product is powered by or eLED power supply with built in DMX decoder.

iQ65	- MW -	- 90	-	-	-
iQ Series	Color	Color Temp	CRI	Watts Per FT	Length

FEATURES

- LED life time - 40,000 hours
- Operating temperature: -4°F ~ +113°F
- RGB in one chip
- High CRI white chip
- Suitable for Wet locations
- Non-Ferrous Material
- 3.94" & 6.56" cut points
- Field cuttable
- DMX controlled
- 3 year Warranty

iQ65-MW-27-90-3.5

Max Run / Reel Length: 27ft* | Color Temp: 2700K | LM: 79
Voltage: 24VDC | Watts Per Ft: 3.5 | Lumens Per Ft: 64

iQ65-MW-30-90-3.5

Max Run / Reel Length: 27ft* | Color Temp: 3000K | LM: 79
Voltage: 24VDC | Watts Per Ft: 3.5 | Lumens Per Ft: 72

iQ65-MW-27-90-6.0

Max Run / Reel Length: 16ft* | Color Temp: 2700K | LM: 79
Voltage: 24VDC | Watts Per Ft: 6.0
Lumens Per Ft: Red = 34.8 Lumens Per Ft: Blue = 24.5
Lumens Per Ft: Green = 119 Lumens Per Ft: All = 81.8

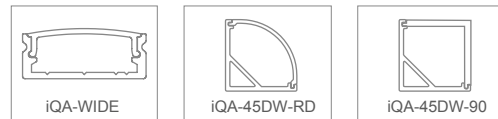
iQ65-MW-30-90-6.0

Max Run / Reel Length: 16ft* | Color Temp: 3000K | LM: 79
Voltage: 24VDC | Watts Per Ft: 6.0 | Lumens Per Ft: 92

*Maximum length for one run of iQ65 LED 3.5 & 6.0. Individual Power supply cut sheets will provide max distance/loads per power supply.

NOTE: Q-Tran offers multiple LED Chip offerings based upon size and pitch, each utilizing its own binning. Utilization of multiple outputs within the same chip family will ensure flawless color matching and similar overall diffusion.

COMPATIBLE EXTRUSIONS



NOTE: Can be used in wet locations.

COMPATIBLE POWER SUPPLIES

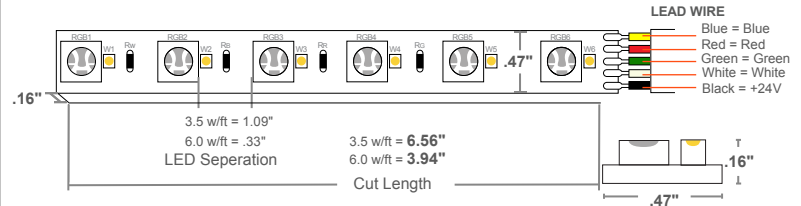
Interior Applications

- QTM-eLED+DMX

Exterior Applications

- QOM-eLED+DMX

DIMENSIONS



NOTE:

Cutting sections of LED tape allows for changes in the field.

3.5 watts per foot = cut every 6.56"

6.0 watts per foot = cut every 3.94"

Lead wire comes standard on all LEDs in 11.5" (22/5 AWG)



2016.V02

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



iQ LED PHOTOMETRIC
iQ65 6.0 W/Ft

iQ65-MW-27-90-6.0-RD

115.9°
(2 C-PLANES)

Light efficiency:

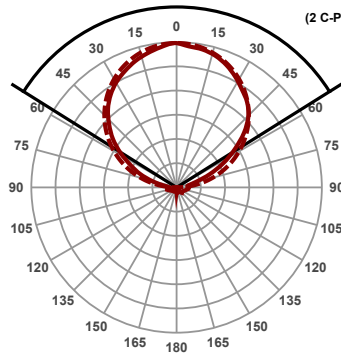
6 Lumen/Watt

Light quality:

CRI: 0

Color temperature:

0 K



Electrical Test Condition for 1 foot

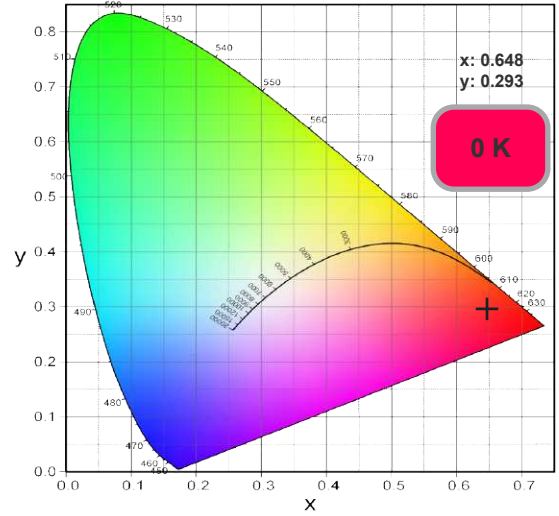
Output: 34.8 lm/ft **Peak:** 10.9 cd **Power:** 6.0 W/ft **24V @ 0.25A**

BEAM DETAILS

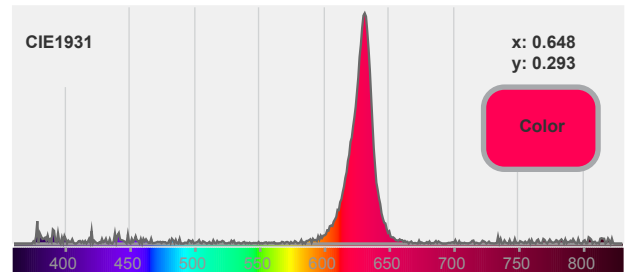
Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
115.9°	163.8°	345.2°	72.3%	48.6%

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
0 K	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.5	0.3	0.0000



Spectra



iQ65-MW-27-90-6.0-GR

119.9°
(2 C-PLANES)

Light efficiency:

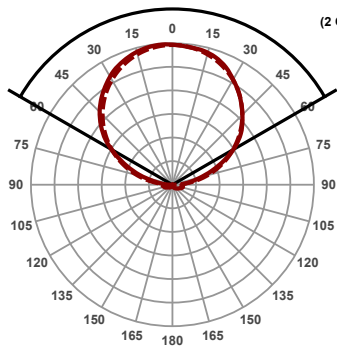
20 Lumen/Watt

Light quality:

CRI: 0

Color temperature:

0 K



Electrical Test Condition for 1 foot

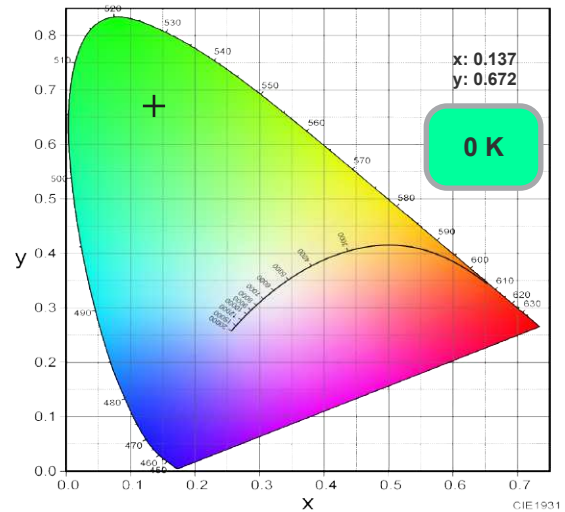
Output: 119 lm/ft **Peak:** 36.3 cd **Power:** 6.0 W/ft **24V @ 0.25A**

BEAM DETAILS

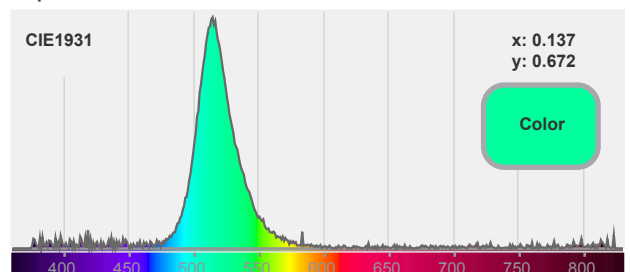
Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
119.9°	167.6°	234.9°	72.3%	48.2%

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
0 K	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.1	0.4	0.0000



Spectra





iQ LED PHOTOMETRIC iQ65 6.0 W/Ft

iQ65-MW-27-90-6.0-BL

116.3°
(2 C-PLANES)

Light efficiency:

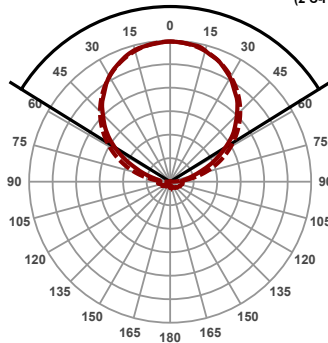
4 Lumen/Watt

Light quality:

CRI: 0

Color temperature:

0 K



Electrical Test Condition for 1 foot

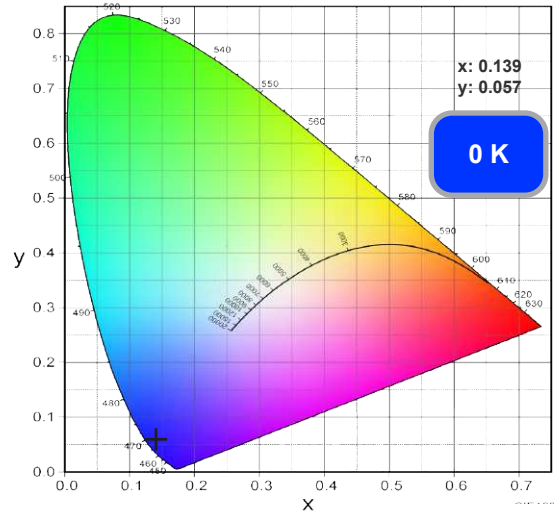
Output: 24.5 lm/ft **Peak:** 7.52 cd **Power:** 6.0 W/ft **24V @ 0.25A**

BEAM DETAILS

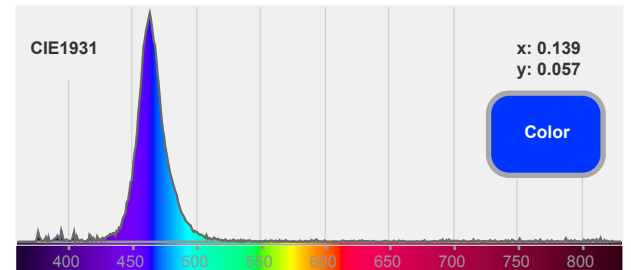
Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
116.3°	165.9°	360.0°	71.2%	48.0%

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
0 K	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.0000



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iQ65-MW-27-90-6.0-ALL

112.9°
(2 C-PLANES)

Light efficiency:

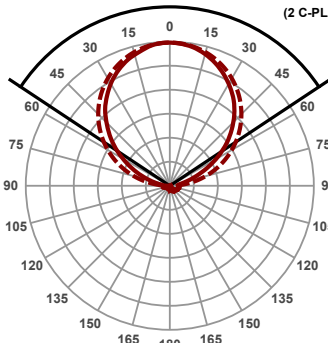
14 Lumen/Watt

Light quality:

CRI: 94.7

Color temperature:

2718 K



Electrical Test Condition for 1 foot

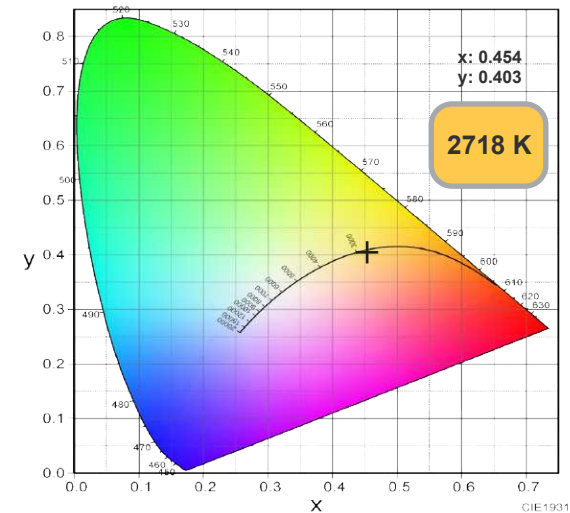
Output: 81.8 lm/ft **Peak:** 26.6 cd **Power:** 6.0 W/ft **24V @ 0.25A**

BEAM DETAILS

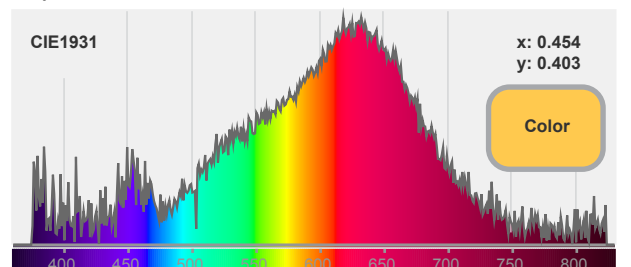
Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
112.9°	162.3°	360.0°	73.2%	49.8%

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2718 K	94.7	73.0	90.6	103.0	84.3	0.5	0.4	0.3	0.3	0.0025



Spectra





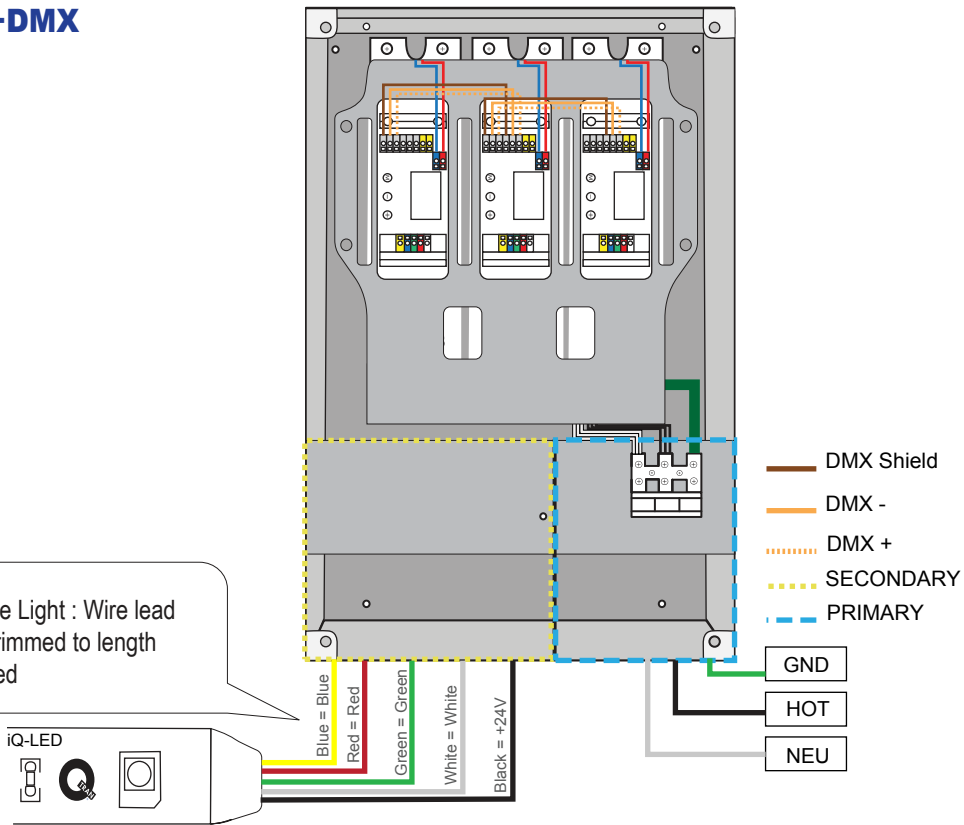
iQ LED TAPE LIGHT IP65

POWER SUPPLY

QTM-eLED+DMX

: for interior

LED Tape Light : Wire lead can be trimmed to length as needed



QOM-eLED+DMX

: for exterior

LED Tape Light : Wire lead can be trimmed to length as needed

