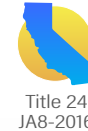




iQ LED TAPE LIGHT **2835 CHIP SERIES**

iQ20 4.4 W/ft CRI 90

DRY RATED



Q-Tran's iQ20 Tape Light is suitable for indoor, dry locations, easy to install and can be cut to specification at Q-Tran. Changes can also be made or in the field. It is currently available in 2500K, 2700K, 3000K, 3500K, and 4000K. iQ20 2835 Chip Tape Light is available in 4.4 W/ft CRI 90 & 95. It is ideal for cove lighting, cabinet lighting, office shelves, wine racks, accents, toekicks, retail displays and more.

iQ20 - - **28** - **90** - **4.4**

iQ Series Color Temp Chip CRI Watts Per FT Length

FEATURES

- LED life time - 40,000 hours
- Operating temperature: -4°F ~ +113°F
- Suitable for dry location
- Lead wire rated for Plenum and In-Wall use
- Non-Ferrous Material
- 1.97" cut points
- Field cuttable
- 3 year warranty
- CA Title 24 JA8-2016 Compliant**

iQ20-25-28-90-4.4

Max Run / Reel Length: 21ft* | ColorTemp: 2500K | Voltage: 24VDC
CRI: 90+ | LM: 79 | Watts Per Ft: 4.4 | Lumens Per Ft: 298

iQ20-27-28-90-4.4

Max Run / Reel Length: 21ft* | ColorTemp: 2700K | Voltage: 24VDC
CRI: 90+ | LM: 79 | Watts Per Ft: 4.4 | Lumens Per Ft: 317

iQ20-30-28-90-4.4

Max Run / Reel Length: 21ft* | ColorTemp: 3000K | Voltage: 24VDC
CRI: 90+ | LM: 79 | Watts Per Ft: 4.4 | Lumens Per Ft: 355

iQ20-35-28-90-4.4

Max Run / Reel Length: 21ft* | ColorTemp: 3500K | Voltage: 24VDC
CRI: 90+ | LM: 79 | Watts Per Ft: 4.4 | Lumens Per Ft: 354

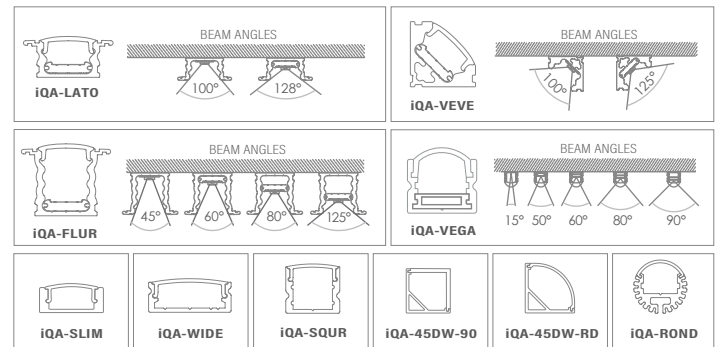
iQ20-40-28-90-4.4

Max Run / Reel Length: 21ft* | ColorTemp: 4000K | Voltage: 24VDC
CRI: 90+ | LM: 79 | Watts Per Ft: 4.4 | Lumens Per Ft: 352

*Maximum length for one run of iQ20 LED 4.4. Individual Power supply cut sheets will provide max distance/loads per power supply.

**Tested with Q-Tran iQ-PH-80 power supply

COMPATIBLE EXTRUSIONS

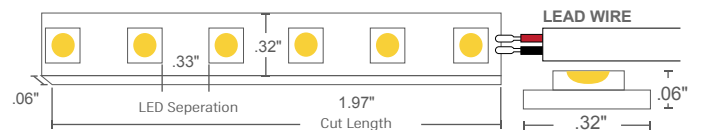


COMPATIBLE POWER SUPPLIES

Indoor

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

DIMENSIONS



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.
• Field modifications of factory installed LEDs are not covered under Q-Tran warranty.



Cut marks of LED tape allows for changes in the field.
4.4 watts per foot = cut every 1.97"

Lead wire comes standard on all LEDs in 18" (18/2 AWG)

2017.V02

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



iQ LED PHOTOMETRIC

iQ20 4.4 W/Ft

iQ20-25-28-90-4.4

Light efficiency:

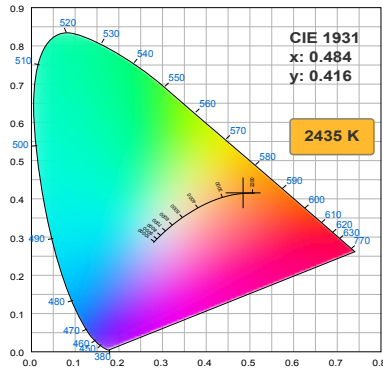
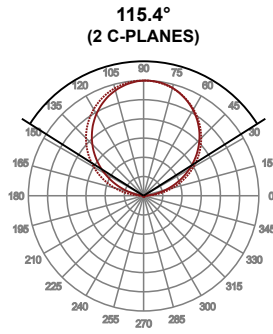
68 Lumen/Watt

CRI:

91.8

Color temperature:

2435K



Electrical Test Condition for 1 foot

Output: 298 lm/ft **Peak:** 99.2 cd **Power:** 4.4 W/ft **24V@ 0.18A**

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2435 K	91.8	60.7	89.3	101.7	87.3	0.484	0.416	0.276	0.356	0.0007

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

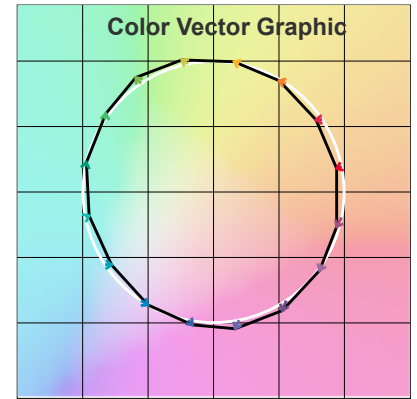
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.7	94.4	93.7	93.2	91.3	93.2	93.1	82.7	60.7	84.9	93.7	78.4	93.1	95.0	88.5

BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
115.4°	163.7°	174.7°	0.8%	0.5%

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
9.2	2.3	1	0.6	0.4	0.3	0.2	0.1	0.1	0.1



Hue Bin	Rf	Graphics Shift	
		Chroma	Hue
1	90	-4%	-1%
2	90	-4%	3%
3	84	-1%	7%
4	90	1%	5%
5	92	4%	5%
6	90	6%	1%
7	90	2%	-5%
8	93	0%	-4%
9	94	-3%	-1%
10	90	-4%	4%
11	87	0%	8%
12	86	3%	5%
13	90	6%	-5%
14	84	5%	-8%
15	91	1%	-6%
16	85	-2%	-10%

iQ20-27-28-90-4.4

Light efficiency:

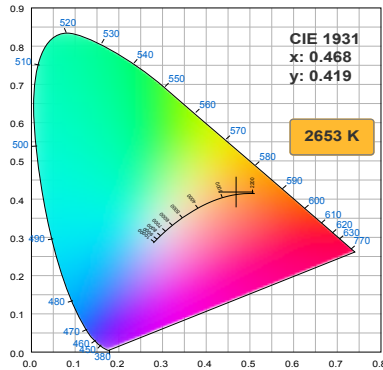
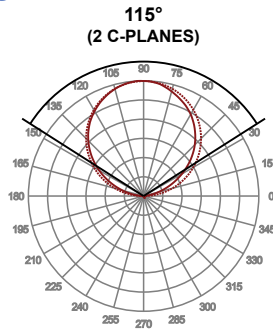
72 Lumen/Watt

CRI:

93.3

Color temperature:

2653K



Electrical Test Condition for 1 foot

Output: 317 lm/ft **Peak:** 107 cd **Power:** 4.4 W/ft **24V@ 0.18A**

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2653 K	93.3	66.8	91.6	99.2	90.9	0.468	0.419	0.264	0.355	0.0025

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

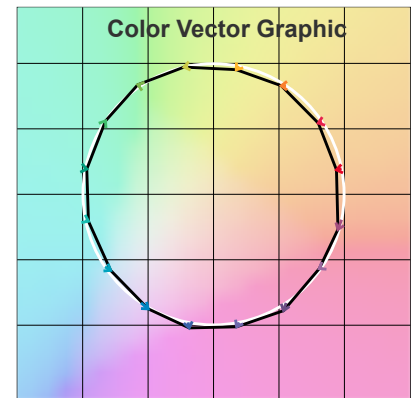
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.1	94.9	93.7	95.3	92.6	93.7	95.5	86.4	66.8	86.1	95.9	76.8	94.1	95.2	90.1

BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
115°	163.4°	174.6°	0.8%	0.5%

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
9.9	2.5	1.1	0.6	0.4	0.3	0.2	0	0.1	0.1



Hue Bin	Rf	Graphics Shift	
		Chroma	Hue
1	91	-4%	0%
2	93	-3%	1%
3	91	-2%	4%
4	93	-3%	2%
5	94	0%	4%
6	95	2%	2%
7	95	0%	-1%
8	98	-1%	0%
9	94	-2%	2%
10	89	-2%	6%
11	87	1%	9%
12	89	4%	2%
13	93	3%	-3%
14	89	4%	-6%
15	93	-1%	-3%
16	86	-1%	-10%



iQ LED PHOTOMETRIC

iQ20 4.4 W/Ft

iQ20-30-28-90-4.4

Light efficiency:

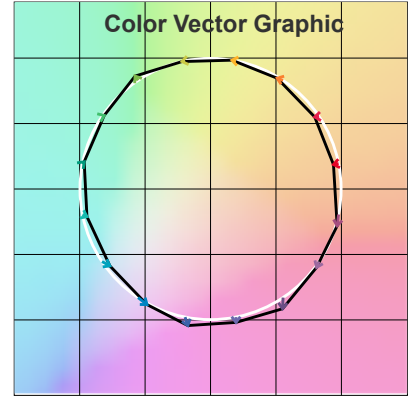
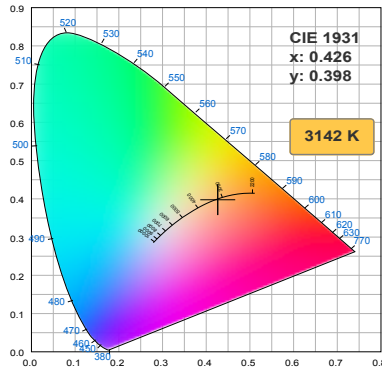
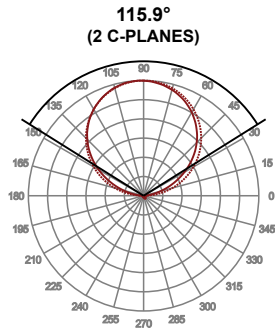
81 Lumen/Watt

CRI:

92.8

Color temperature:

3142K



Electrical Test Condition for 1 foot

Output: 355 lm/ft **Peak:** 117 cd **Power:** 4.4 W/ft **24V@ 0.18A**

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3142 K	92.8	68.5	89.6	101.1	90.1	0.426	0.398	0.246	0.345	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
94.0	95.0	93.6	93.6	92.5	92.4	94.5	87.2	68.5	86.1	93.1	73.5	94.3	95.5	91.6

BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
115.9°	163.7°	214.9°	0.8%	0.5%

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
10.8	2.7	1.2	0.7	0.4	0.3	0.2		0.1	0.1

Hue Bin	R _f	Graphics Shift	
		Chroma	Hue
1	91	-4%	0%
2	92	-3%	2%
3	87	-1%	6%
4	91	0%	4%
5	91	0%	3%
6	93	4%	0%
7	93	-1%	-2%
8	96	-1%	-2%
9	93	-3%	3%
10	84	-3%	8%
11	82	1%	11%
12	87	6%	4%
13	92	4%	-1%
14	88	7%	-6%
15	90	1%	-6%
16	84	1%	-11%

iQ20-35-28-90-4.4

Light efficiency:

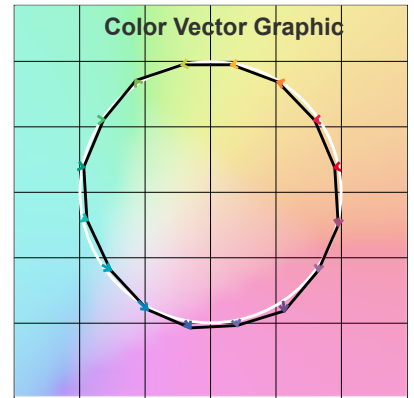
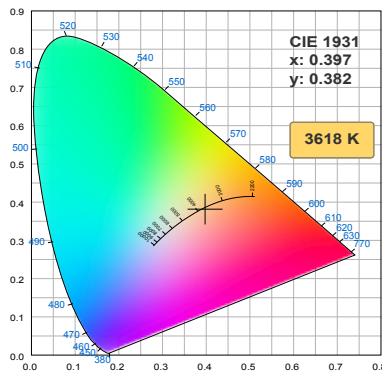
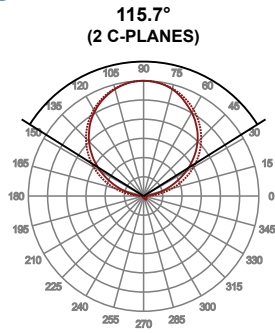
81 Lumen/Watt

CRI:

93.7

Color temperature:

3618K



Electrical Test Condition for 1 foot

Output: 354 lm/ft **Peak:** 116 cd **Power:** 4.4 W/ft **24V@ 0.18A**

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3618 K	93.7	75.4	89.7	100.8	91.3	0.397	0.382	0.234	0.338	0.0020

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
95.2	95.5	92.9	94.3	93.6	92.0	95.6	90.6	75.4	86.9	93.4	71.8	95.4	95.2	94.1

BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
115.7°	163.9°	214.2°	0.8%	0.5%

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
10.8	2.7	1.2	0.7	0.4	0.3	0.2		0.1	0.1

Hue Bin	R _f	Graphics Shift	
		Chroma	Hue
1	92	-3%	0%
2	93	-3%	2%
3	88	-1%	5%
4	91	-1%	4%
5	91	0%	3%
6	94	3%	0%
7	95	-1%	-1%
8	95	-1%	0%
9	92	-3%	3%
10	84	-3%	9%
11	81	2%	12%
12	85	5%	6%
13	93	4%	0%
14	88	7%	-4%
15	90	2%	-5%
16	87	1%	-7%



iQ LED PHOTOMETRIC

iQ20 4.4 W/Ft

iQ20-40-28-90-4.4

Light efficiency:

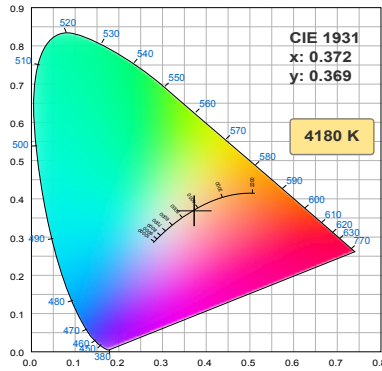
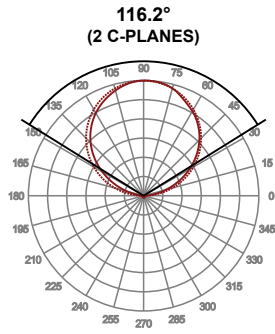
80 Lumen/Watt

CRI:

94.4

Color temperature:

4180K



Electrical Test Condition for 1 foot

Output: 352 lm/ft **Peak:** 116 cd **Power:** 4.4 W/ft **24V@ 0.18A**

COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4180 K	94.4	78.8	89.2	99.2	91.6	0.372	0.369	0.223	0.331	0.0011

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

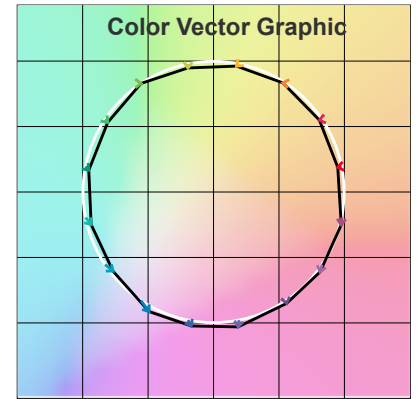
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.7	96.4	94.0	94.6	93.6	92.3	96.6	91.9	78.8	88.8	93.8	67.8	96.3	96.1	94.6

BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116.2°	164.2°	175.2°	0.8%	0.5%

Beam Intensities in Footcandles (from 1-20m)

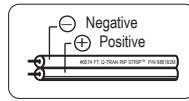
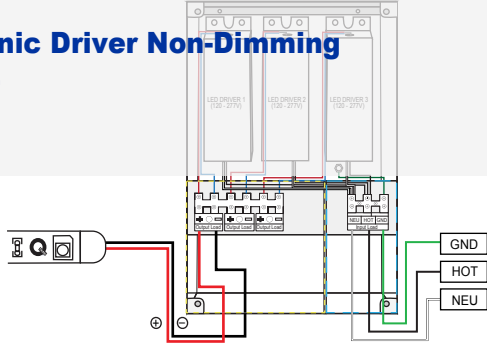
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
10.8	2.7	1.2	0.7	0.4	0.3	0.2		0.1	0.1



Hue Bin	R _f	Graphics Shift	
		Chroma	Hue
1	91	-3%	0%
2	94	-2%	1%
3	91	-1%	3%
4	91	-2%	2%
5	90	-3%	1%
6	95	0%	0%
7	94	-3%	1%
8	92	-3%	3%
9	88	-3%	8%
10	82	-2%	10%
11	80	4%	12%
12	89	4%	4%
13	92	5%	-2%
14	94	2%	-1%
15	87	2%	-7%
16	86	1%	-7%

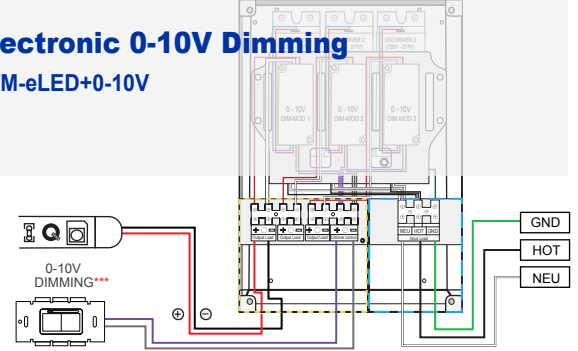
iQLED IP20 DRY RATED COMPATIBLE POWER SUPPLIES

Electronic Driver Non-Dimming QTM-eLED

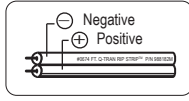
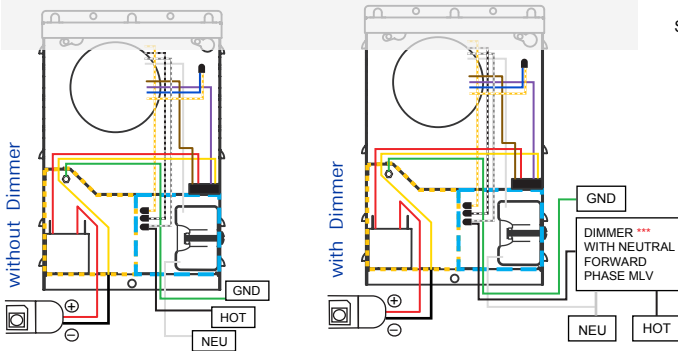


SECONDARY - - - - -
PRIMARY - - - - -

Electronic 0-10V Dimming QTM-eLED+0-10V

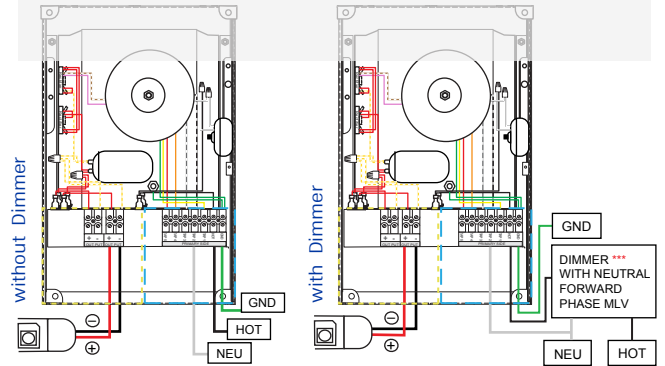


Magnetic: Q6S-DC or QTM-DC



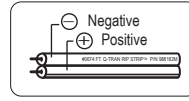
SECONDARY - - - - -
PRIMARY - - - - -

Magnetic: Q6M-DC+CAP or QTM-DC+CAP

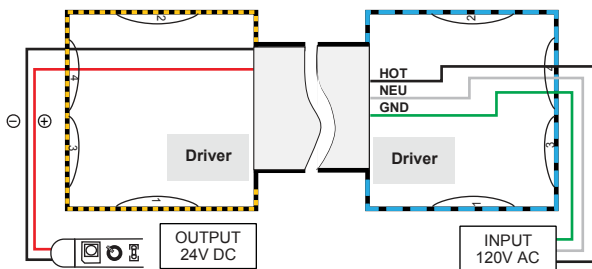


Phase Controlled Dimming

Compatible with external dimmer or switch
iQ-PH

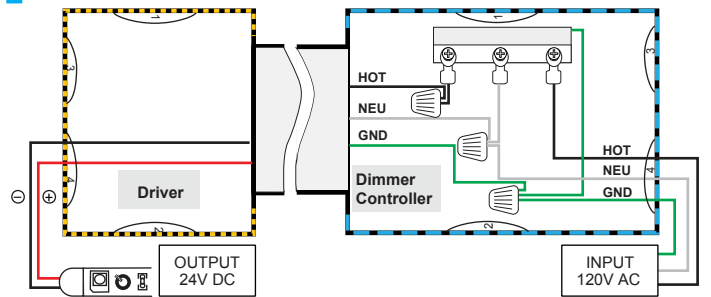


SECONDARY - - - - -
PRIMARY - - - - -

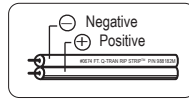
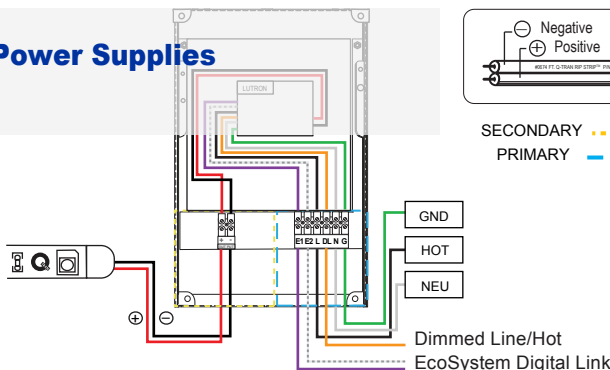


Phase Controlled Dimming

With built in dimmer
iQ-PH+QD1

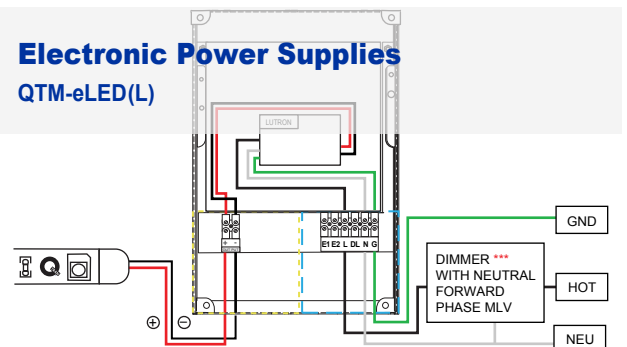


Electronic Power Supplies QTM-eLED(E)



SECONDARY - - - - -
PRIMARY - - - - -

Electronic Power Supplies QTM-eLED(L)



***Customer provided