

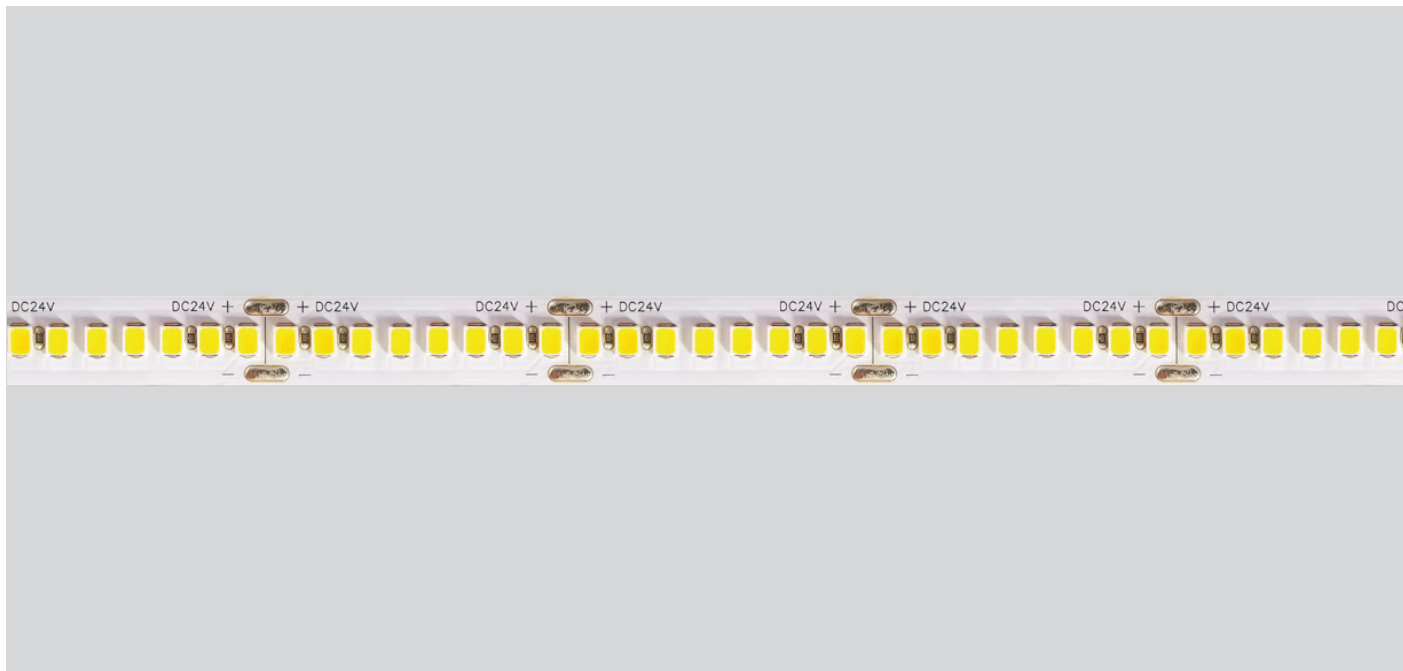
Type:_____ Qty:_____

Project:_____



HELIUM LYTE

FLARE - TRUE COLOUR



Design Features:

- Easy installing for many ways.
- Can be cutting into small units (with a “scissors” sign on the LED strip) or connecting at your will.
- Adjustable for all kinds of LED decorations.
- Super High CRI 95+.
- Safety input 24VDC.
- Certified by UL, TUV-CE, RoHS.
- 5 Year warranty Dry location use .



FLARE - TRUE COLOUR

Specs Code:

FIXTURE ID 1	LOCATION 2	LUMENS/ WATT (Per Feet) 3		LED OPTION 4	
Tape Light Flare - True Colour TL-FTC	Dry DRY	439 Lumens / 3.5Watt	L439/3.5W	2700K	27K
		549 Lumens / 4.4Watt	L549/4.4W	3000K	30K
		790 Lumens / 6.5Watt	L790/6.5W	3500K	35K
				4000K	40K
				5000K	50K
				6500K	65K
TAPE WIDTH 5	VOLTAGE 6	LENGTH 7			
08 MM WIDE 10 MM WIDE* -Only for 6.5W W08 W10*	24 VOLT 24V	LENGTH XX XX FT			

Order Guide:

1

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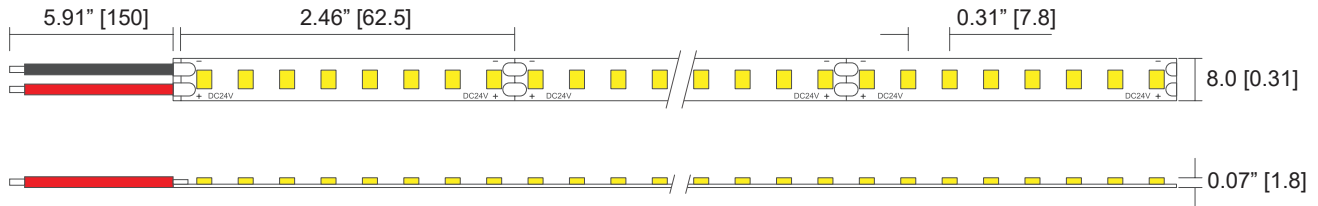
*Example : TL-FTC-DRY-L439/3.5W-27K-W8-24V-XXFT



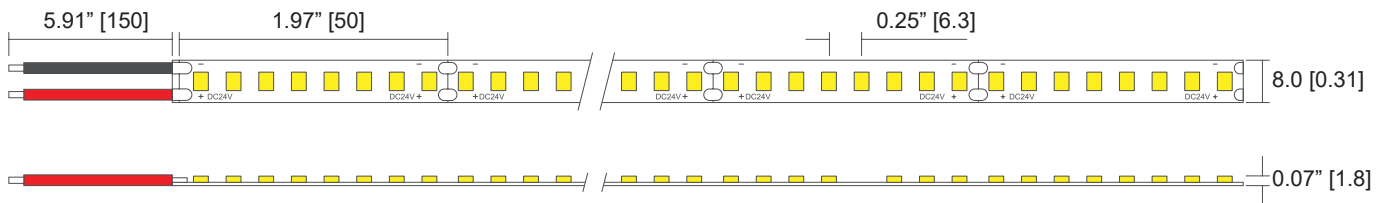
FLARE - TRUE COLOUR

Product Details:

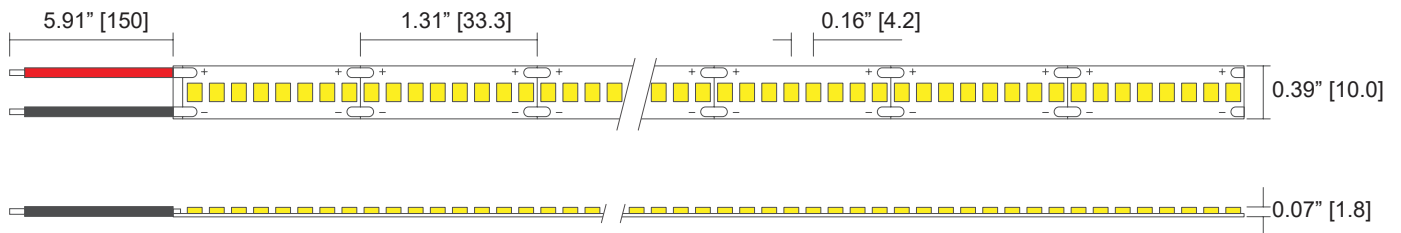
TL-FTC-3.5



TL-FTC-4.4



TL-FTC-6.5

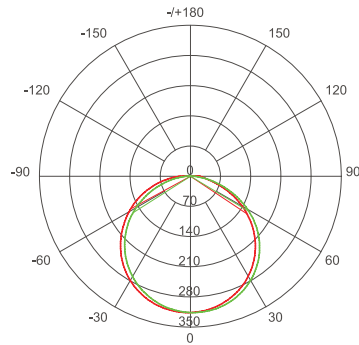


Unit: Inch[mm]

Model No.	LED Qty (pcs/m)	Standard Packing Length (m)	Max Run (m)	Min. Cutting Unit (In/mm)	LED Pitch (In/mm)
TL-FTC-3.5W	128	5	6	2.46" / 62.5 mm	0.31" / 7.8 mm
TL-FTC-4.4W	160	5	4	1.97" / 50.0 mm	0.25" / 6.3 mm
TL-FTC-6.5W	240	5	3	1.31" / 33.3 mm	0.16" / 4.2 mm

FLARE - TRUE COLOUR

Photometric:



Unit: cd
 - C 0 /180,117.6°
 - C 90/270,116.5°
 AVERAGE BEAM ANGLE(50%): 117.1°

Flux Out: 723.1lm CCT=6500K

Height	Eavg, Emax	Beam Angle: 116.33°	Diameter
0.02m	207747,794021lx		6.44cm
0.04m	51937,198505lx		12.89cm
0.06m	23083,88225lx		19.33cm
0.08m	12984,49626lx		25.77cm
0.10m	8310,31761lx		32.22cm
0.12m	5771,22056lx		38.66cm
0.14m	4240,16205lx		45.10cm
0.16m	3246,12407lx		51.55cm
0.18m	2565,9803lx		57.99cm
0.20m	2077,7940lx		64.43cm

Note: above data tested with TL-FTC-3.5W at 6500K . For other data,please consult sales rep.

Lighting Chart:

Colour Temp.-2700K

LUMENS/WATT (Per Feet)	EFFICIENCY	CRI	MIN. SECTION
421 Lumens / 3.5Watt	120.28 lm/w	CRI95	2.46"(62.5 mm)
527 Lumens / 4.4Watt	119.77 lm/w	CRI95	1.97"(50 mm)
757 Lumens / 6.5Watt	116.46 lm/w	CRI95	1.31"(33.3 mm)

Colour Temp.-3000K

LUMENS/WATT (Per Feet)	EFFICIENCY	CRI	MIN. SECTION
439 Lumens / 3.5Watt	125.42 lm/w	CRI95	2.46"(62.5 mm)
549 Lumens / 4.4Watt	124.77 lm/w	CRI95	1.97"(50 mm)
790 Lumens / 6.5Watt	121.53 lm/w	CRI95	1.31"(33.3 mm)





FLARE - TRUE COLOUR

Lighting Chart:

Colour Temp.-3500K

LUMENS/WATT (Per Feet)	EFFICIENCY	CRI	MIN. SECTION
428 Lumens / 3.5Watt	122.28 lm/w	CRI95	2.46"(62.5 mm)
425 Lumens / 4.4Watt	96.59 lm/w	CRI95	1.97"(50 mm)
415 Lumens / 6.5Watt	63.84 lm/w	CRI95	1.31"(33.3 mm)

Colour Temp.-4000K

LUMENS/WATT (Per Feet)	EFFICIENCY	CRI	MIN. SECTION
444 Lumens / 3.5Watt	126.85 lm/w	CRI95	2.46"(62.5 mm)
299 Lumens / 4.4Watt	67.95 lm/w	CRI95	1.97"(50 mm)
432 Lumens / 6.5Watt	66.46 lm/w	CRI95	1.31"(33.3 mm)

Colour Temp.-5000K

LUMENS/WATT (Per Feet)	EFFICIENCY	CRI	MIN. SECTION
428 Lumens / 3.5Watt	122.28 lm/w	CRI95	2.46"(62.5 mm)
425 Lumens / 4.4Watt	96.59 lm/w	CRI95	1.97"(50 mm)
415 Lumens / 6.5Watt	63.84 lm/w	CRI95	1.31"(33.3 mm)

Colour Temp.-6500K

LUMENS/WATT (Per Feet)	EFFICIENCY	CRI	MIN. SECTION
428 Lumens / 3.5Watt	122.28 lm/w	CRI95	2.46"(62.5 mm)
425 Lumens / 4.4Watt	96.59 lm/w	CRI95	1.97"(50 mm)
415 Lumens / 6.5Watt	63.84 lm/w	CRI95	1.31"(33.3 mm)

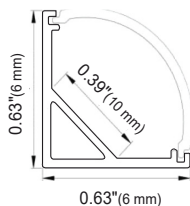
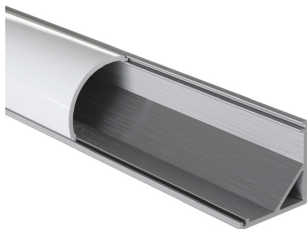


FLARE - TRUE COLOUR

Technical Details:

Material	Flexible pcb sheet
Size	Width - 0.31" (8mm) / 0.39" (10mm) X Any Length
Min. Section	3.5W - 2.46"(62.5 mm) / 4.4W - 1.97"(50 mm) // 6.5W - 1.31"(33.3 mm)
Lumens	Upto 790lm/w - per feet.
Wattage	3.5W / 4.4W / 6.5W- per feet.
Efficacy	Upto 25 Lm/W
Max Run Length	Upto 6 Mtr.
CRI	95+
CCT	2700K - 6500K
LED	SMD2835
Beam Angle	117°
Voltage	24V DC
Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Certification	ETL LISTED / DRY RATED

Channel Details:



00214602 - SURFACE 45°CHANNEL WITH ACCESSORIES

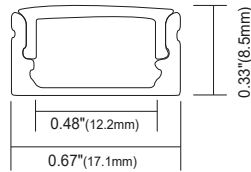
MODEL	LENGTH	DIFFUSER
00214602	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted





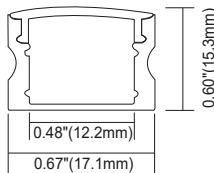
FLARE - TRUE COLOUR

Channel Details:



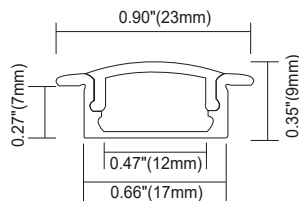
00031195 -SLIM SURFACE CHANNEL WITH ACCESSORIES

MODEL	LENGTH	DIFFUSER
00031195	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



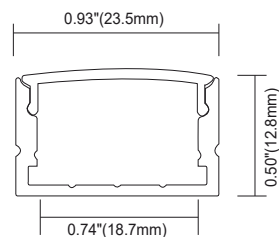
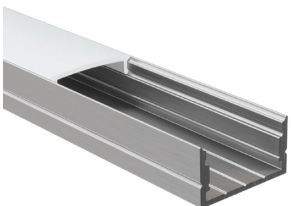
100061-38 -SURFACE CHANNEL WITH ACCESSORIES

MODEL	LENGTH	DIFFUSER
100061-38	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



HL-CH04 -SURFACE CHANNEL WITH FLANGE AND ACCESSORIES

MODEL	LENGTH	DIFFUSER
HL-CH04	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



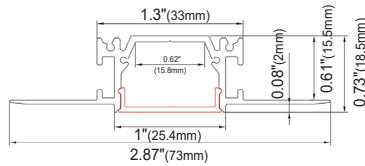
00031207 - WIDE SURFACE CHANNEL WITH ACCESSORIES

MODEL	LENGTH	DIFFUSER
00031207	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



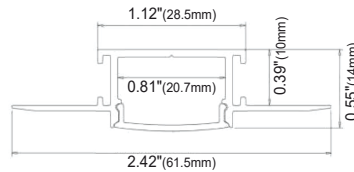
FLARE - TRUE COLOUR

Channel Details:



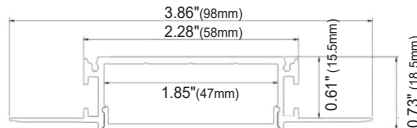
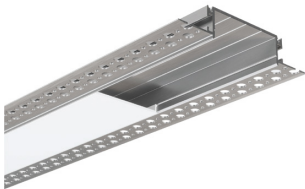
00031324 -RECESSED CHANNEL 5/8" WITH ACCESSORIES

MODEL	LENGTH	DIFFUSER
00031324	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



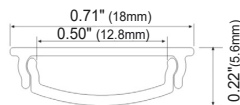
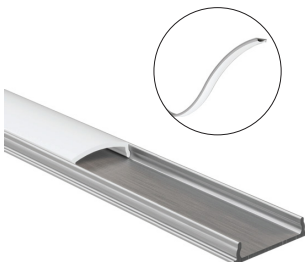
00053342 -RECESSED CHANNEL 1/2" WITH ACCESSORIES

MODEL	LENGTH	DIFFUSER
00053342	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



00031780 -RECESSED CHANNEL WIDE WITH ACCESSORIES

MODEL	LENGTH	DIFFUSER
00031780	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



00009624 -SURFACE BENDABLE CHANNEL WITH ACCESSORIES

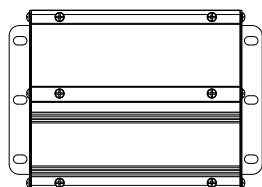
MODEL	LENGTH	DIFFUSER
00009624	24 IN - 24 Inch 48 IN - 48 Inch 96 IN - 96 Inch	C - Clear D - Diffused F - Frosted



FLARE - TRUE COLOUR

Driver Details:

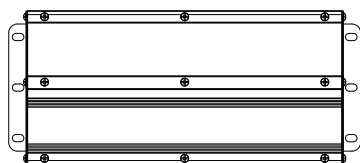
HL30AT-1W24V-BW



150 x 106 x 41.5mm

MODEL	WATTAGE	CONTROL	OUTPUT	CLASS
HL	30 - 30 Watt	AT-1W CV driver with Triac & 0-10V dimming capabilities - 1 Channel	24V - 24 Volt	BW

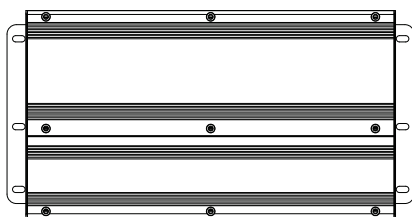
HL60AT-1W24V-BW



244 x 70 x 41.5mm

MODEL	WATTAGE	CONTROL	OUTPUT	CLASS
HL	60 - 60 Watt 96 - 96 Watt	AT-1W - CV driver with Triac & 0-10V dimming capabilities - 1 Channel	24V - 24 Volt	BW

HL192AT-2W24V-BW



260 x 132 x 52mm

MODEL	WATTAGE	CONTROL	OUTPUT	CLASS
HL	192 - 192 Watt 180 - 180 Watt 288 - 288 Watt	AT-2W - CV driver with Triac & 0-10V dimming capabilities - 2 Channel AT-3W - CV driver with Triac & 0-10V dimming capabilities - 3 Channel	24V - 24 Volt	BW

- See next page for Bluetooth Casambi drivers.

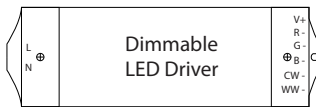


FLARE - TRUE COLOUR

Driver Details:

KVB-XX060-XC-P

CASAMBI

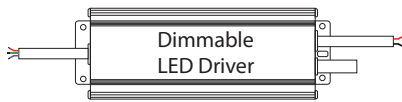


192.5 x 62 x 24mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	12V - 12 Volt 24V - 24 Volt 48V - 48 Volt	060 - 60 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	P*

KVB-XX096-XC-A

CASAMBI



196 x 69.8 x 42mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	24V - 24 Volt 48V - 48 Volt	096 - 96 Watt 100 - 100 Watt 120 - 120 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	A*

KVB-XX150-XC-A

CASAMBI

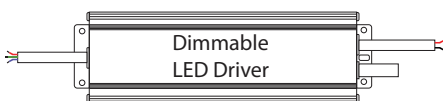


279 x 78 x 25.1mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	12V - 12 Volt 24V - 24 Volt 36V - 36 Volt 48V - 48 Volt	150 - 150 Watt 200 - 200 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	A*

KVB-XX300-XC-A

CASAMBI



290.5 x 78 x 25.1mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	24V - 24 Volt 36V - 36 Volt 48V - 48 Volt	300 - 300 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	A*

* Recommended Installation - Drivers can be stored into maintenance hole of the enclosure for easy access.

CLASS - P* UL standard for safety & performance of LED drivers (includes protection features)

CLASS - A* EMI compliance for commercial/industrial use (higher emission allowed)



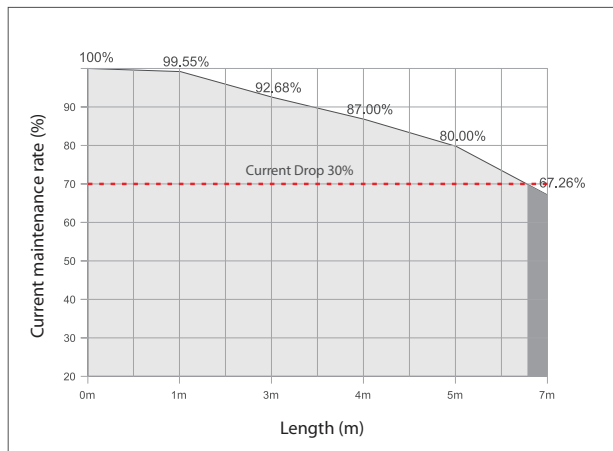
FLARE - TRUE COLOUR

Recommended Power Supply Upon Working Length:

TL-FTC-3.5W

Operating Length (m)	1	3	4	5	7
Operation Voltage (DC V)	24.0	24.0	24.0	24.0	24.0
Total current (A)	0.46	1.30	1.65	1.95	2.40
Total Power (W)	11.23	31.27	39.74	46.82	57.72
Head voltage (DC V)	23.95	23.88	23.84	23.82	23.78
Tail voltage (DC V)	23.91	23.65	23.48	23.28	22.85
Head current (mA)	28.61	27.97	27.60	27.26	27.29
Tail current (mA)	28.48	25.92	24.00	21.81	18.35
Head-to-tail voltage drop rate(%)	0.17	0.96	1.51	2.27	3.91
Head-to-tail current drop rate(%)	0.45	7.32	13.03	20.00	32.74
Single/Double feed	Single feed	Single feed	Single feed	Single feed	Double feed

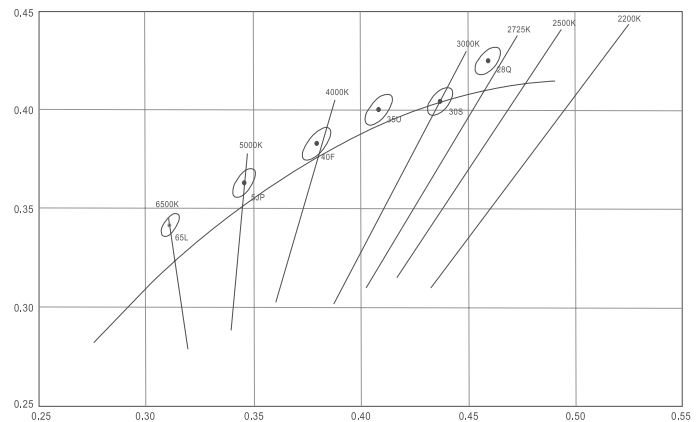
Current Maintenance Rate & Power Supply Mode



Single feed Double feed

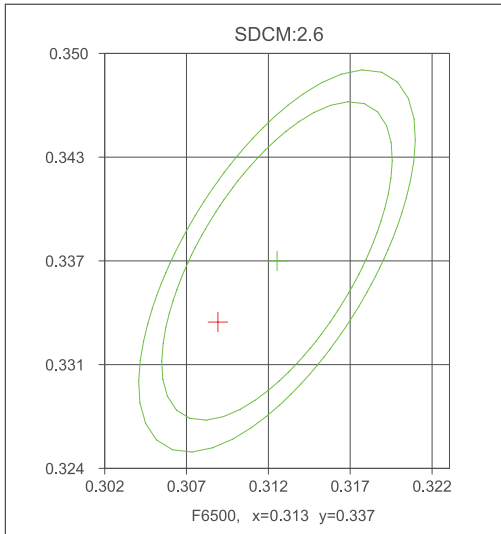
Note:
If the current drop rate exceeds 30%, recharging(double feed) is required.
For more info, please consult sales rep.

Chromaticity Diagram



FLARE - TRUE COLOUR

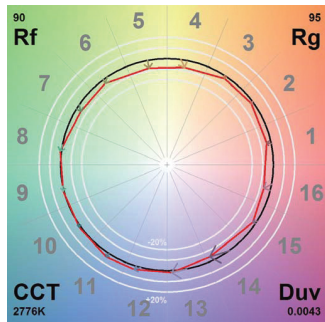
SDCM:



Note: above data tested with TL-FTC-3.5W at 6500K . For other data, please consult sales rep.

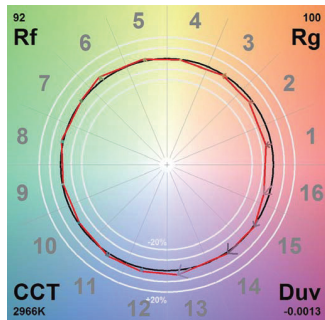
TM-30-15

TL-FTC-3.5W at 2700K



HueBin	Rf	Graphicshift(%)	
		Chroma	Hue
1	90.0	-4%	1%
2	95.0	-2%	-1%
3	92.0	-2%	-2%
4	89.0	-7%	-5%
5	91.0	-7%	-0%
6	90.0	-4%	5%
7	90.0	-5%	4%
8	91.0	1%	6%
9	93.0	1%	4%
10	95.0	1%	3%
11	94.0	4%	0%
12	89.0	3%	-6%
13	87.0	0%	-14%
14	70.0	-5%	-19%
15	90.0	-3%	-3%
16	86.0	-7%	-5%

TL-FTC-3.5W at 3000K

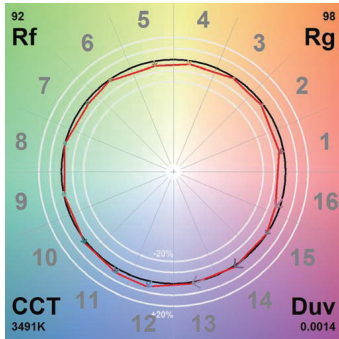


HueBin	Rf	Graphicshift(%)	
		Chroma	Hue
1	90.0	-5%	0%
2	93.0	-3%	3%
3	91.0	-1%	5%
4	95.0	0%	1%
5	95.0	2%	3%
6	93.0	4%	2%
7	94.0	1%	-3%
8	96.0	2%	-1%
9	97.0	-1%	0%
10	96.0	-1%	1%
11	94.0	3%	3%
12	92.0	3%	0%
13	85.0	4%	-13%
14	81.0	2%	-13%
15	91.0	0%	-7%
16	84.0	-6%	-9%

FLARE - TRUE COLOUR

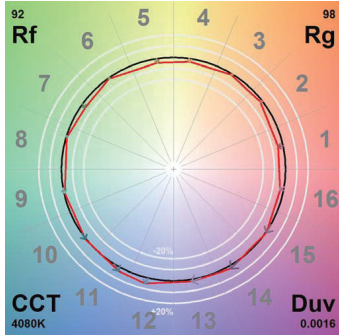
TM-30-15:

TL-FTC-3.5W at 3500K



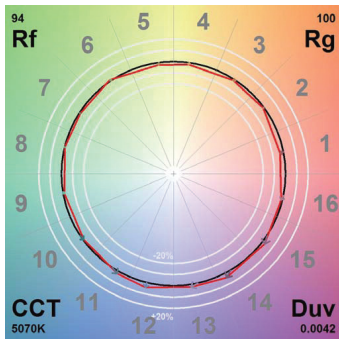
HueBin	Graphicshift(%)		
	Rf	Chroma	Hue
1	91.0	-4%	1%
2	95.0	-2%	1%
3	95.0	-1%	1%
4	95.0	-3%	-2%
5	94.0	-4%	0%
6	95.0	-1%	3%
7	96.0	-2%	1%
8	97.0	0%	2%
9	94.0	0%	4%
10	92.0	1%	5%
11	92.0	3%	4%
12	90.0	5%	-3%
13	86.0	1%	-11%
14	86.0	1%	-10%
15	88.0	0%	-5%
16	86.0	-5%	-8%

TL-FTC-3.5W at 4000K



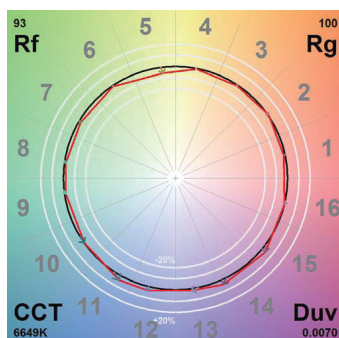
HueBin	Graphicshift(%)		
	Rf	Chroma	Hue
1	91.0	-5%	0%
2	95.0	-2%	1%
3	95.0	-1%	2%
4	95.0	-3%	-1%
5	94.0	-4%	0%
6	97.0	-1%	1%
7	93.0	-4%	1%
8	97.0	0%	2%
9	93.0	-1%	5%
10	90.0	0%	6%
11	91.0	3%	7%
12	89.0	5%	-1%
13	88.0	2%	-9%
14	87.0	2%	-10%
15	86.0	1%	-8%
16	90.0	-3%	-4%

TL-FTC-3.5W at 5000K



HueBin	Graphicshift(%)		
	Rf	Chroma	Hue
1	94.0	-3%	0%
2	98.0	-1%	0%
3	94.0	-1%	2%
4	96.0	-2%	0%
5	94.0	-2%	1%
6	97.0	1%	1%
7	96.0	-1%	0%
8	97.0	0%	0%
9	96.0	-1%	2%
10	92.0	-1%	4%
11	91.0	2%	7%
12	91.0	4%	0%
13	90.0	2%	-6%
14	90.0	3%	-7%
15	89.0	2%	-7%
16	91.0	-1%	-4%

TL-FTC-3.5W at 6500K



HueBin	Graphicshift(%)		
	Rf	Chroma	Hue
1	94.0	-1%	0%
2	95.0	1%	-2%
3	95.0	-1%	-1%
4	98.0	-1%	-1%
5	91.0	-5%	-1%
6	97.0	-1%	1%
7	96.0	-2%	1%
8	94.0	-1%	2%
9	95.0	-1%	3%
10	90.0	0%	7%
11	89.0	4%	7%
12	91.0	3%	0%
13	90.0	1%	-7%
14	91.0	3%	-5%
15	88.0	3%	-6%
16	93.0	0%	-3%