



FLEX STP 70 is a high performance flexible LED fixture distinguished by its extremely tight LED pitch and ability to blend in shallow channels, making it perfect for direct view applications.

ELECTRICAL

Input Voltage	24VDC
Dimming Options	<ul style="list-style-type: none"> • PURE DC™ • MLV • 0-10V • DMX • Lutron (2-WIRE, 3-WIRE, EcoSystem)
Power Consumption	7.0 Watts per foot
Wire Size	20AWG, 2 wire
Certification	ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0 Title 24 - Selected models are JA8 2016 compliant when used with 0-10V, DMX, or Lutron Premier dimming.

PHYSICAL

Field Cuttable	Every 0.90" (22.86mm)
Operating Temperature	-20° C (-40°F) to +50°C (+122°F)
Environment	IP20 - Dry Location
Maximum Run Length	13.00'
Dimensions (WxH)	0.39" (10.00mm) x 0.07" (1.78mm)

ACCESSORIES

Channels¹	Optic Arts® Channel (pg. 3-7)
Connectors	LC-I2P-M, LC-I2P-F (pg. 8)
Strain Relief	FLEX.ZIP (pg. 8)
FLEXConfig-1 Accessories	FLEXSTP.PFC.02.08, FLEXSTP.BSC.02.08, LO-18G-2C-W-72, LP-18G-2C-W-72, LO-18G-2C-W-SP, LP-18G-2C-W-SP (pg. 9)

¹: Must be used in conjunction with Optic Arts® Channel for proper heat dissipation.

LUMEN OUTPUT

1800K	350.00 lm/ft 50.00 lm/W
2350K	490.00 lm/ft 70.00 lm/W
2750K JA8 2016²	538.00 lm/ft 77.00 lm/W
2930K JA8 2016²	567.00 lm/ft 81.00 lm/W
3550K JA8 2016²	595.00 lm/ft 85.00 lm/W
4000K JA8 2016²	595.00 lm/ft 85.00 lm/W

Note: Stated lumen values have a tolerance of +/- 10%.

²: JA8 2016 when used with 0-10V, DMX, or Lutron Premier dimming.

PERFORMANCE

CRI	2350-4000K = 95+, 1800K = 90+
TM-30	See pages 17-21
Lumen Maintenance	When used in Optic Arts® CHS-S-1208 or larger channel: 50,000 Hours L70
Binning Tolerance	+/- 100K
Warranty	5 years

PART NUMBER BUILDER

SERIES	+	IP RATING	+	COLOR	+	VOLTAGE	+	WATTAGE	+	CONFIGURATION	+	LENGTH
FLEXSTP		20 = IP20 - Dry Location		18 = 1800K 23 = 2350K 27 = 2750K ² 29 = 2930K ² 35 = 3550K ² 40 = 4000K ²		24 = 24 VDC		70 = 7.0W		FLC1 = FLEX Config 1 FLC2 = FLEX Config 2 FLC3 = FLEX Config 3		XX = Custom Length

²: JA8 2016 when used with 0-10V, DMX, or Lutron Premier dimming.

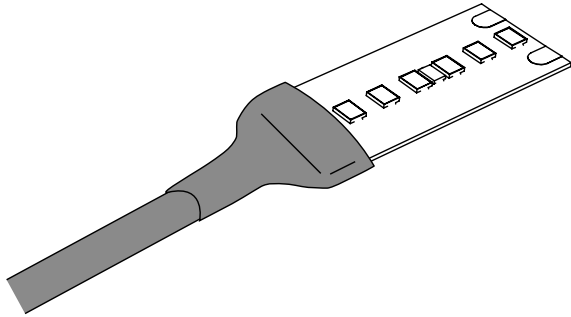
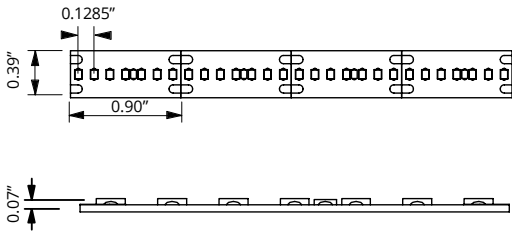


DIMENSIONS

Optic Arts® cuts all FLEX and Channel products to length per customer specifications. Each length of FLEX is fitted with a 6' wire lead (custom lengths available upon request) and packaged on a reel in an anti-static bag. Bags are labeled with fixture type, length and location (if applicable). Each piece of channel is labeled with fixture type, length and location (if applicable), and is bundled by fixture type.

- Due to the nature of the FLEX product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.
- Unless otherwise specified, channel is cut 15mm longer than FLEX.
- Some on-site assembly required. See installation guides for details.

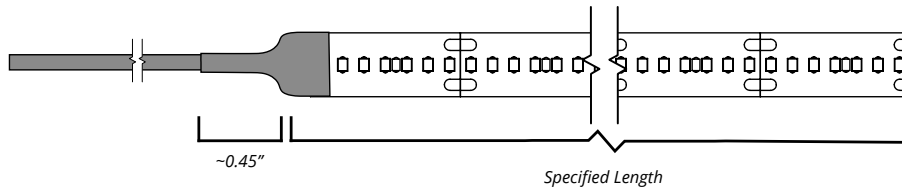
INDOOR FLEX STP 70



INDOOR DIMENSIONS

Width	0.39" (10.00mm)
Height	0.07" (1.78mm)
Cuttable Segment Length	0.90" (22.86mm)
Pitch Length	0.1285" (3.26mm)
Max Run Length	13.00' (3962.40mm)

INDOOR FLEX STP 70

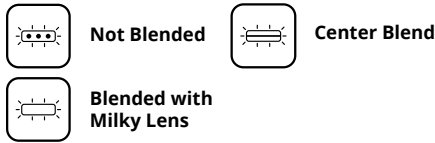


MOUNTING OPTIONS - COMPATIBLE CHANNELS

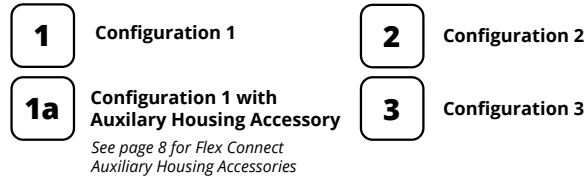
[Click to access CHANNEL ACCESSORIES CATALOGUE >](#)

KEY

DIFFUSION LEVEL:



CONFIGURATION:



CHS-R-1208

• Click on channel titles below to access complete channel cut sheets.

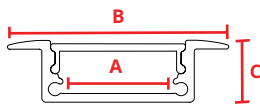
SMALL CHANNELS

SMALL CHANNEL PART NUMBER BREAKDOWN:

CHANNEL	CHANNEL SIZE	CHANNEL TYPE	FINISH		LENS TYPE	LENS DIFFUSION	MOUNTING
CH-SM = Channel Small	LS = Lite Short LT = Lite Tall	SF = Surface RE = Recessed	SS = Satin Silver MB = Matte Black Anodized ¹ BZ = Deep Bronze Anodized ¹ WH = White Powder Coat ¹ GY = Gray Powder Coat ¹	BL = Blue Powder Coat ¹ RD = Red Powder Coat ¹ YL = Yellow Powder Coat ¹ CH = Chrome ¹ CR = Custom RAL Powder Coat ¹	FL = Flat GZ = Grazer	CC = Clear ⁴ CF = Frosted ⁴ CM = Milky ⁴ <i>*Leave Blank for Grazer.</i>	NA = Direct Surface MC = Mounting Clip ³ RC = Rotating Clip ³
			<i>1: Special order finishes may increase order lead time and incur an added cost.</i>		<i>4: Only compatible with Grazer Lens Type.</i>		<i>3: Not compatible with recessed options</i>

CH-SM-LS-RE

(Previously Known As CHS-R-1208)



A: 0.68" (17.25mm)
B: 0.98" (25.00mm)
C: 0.34" (8.60mm)



MATERIAL

Anodized Aluminum.

DESCRIPTION

Small - Short - Recessed - Channel.

LENGTH

7 Ft.

LENS TYPES

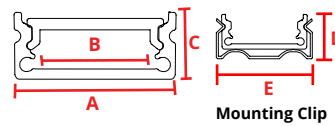
Clear CH-SM-LN-FL-CC
Frosted CH-SM-LN-FL-CF
Milky CH-SM-LN-FL-CM

ACCESSORIES

Endcap CH-SM-LS-RE-FL-EC
Endcap w/hole CH-SM-LS-RE-FL-ECH

CH-SM-LS-SF

(Previously Known As CHS-S-1208)



A: 0.68" (17.25mm) D: 0.40" (12.70mm)
B: 0.50" (12.59mm) E: 0.78" (19.90mm)
C: 0.34" (8.60mm)



MATERIAL

Anodized Aluminum

DESCRIPTION

Small - Short - Surface - Channel.

LENGTH

7 Ft.

LENS TYPES

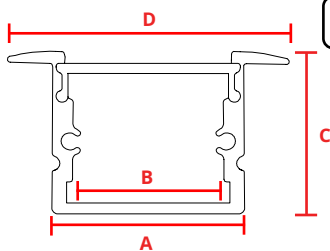
Clear CH-SM-LN-FL-CC
Frosted CH-SM-LN-FL-CF
Milky CH-SM-LN-FL-CM

ACCESSORIES

Endcap CH-SM-LS-SF-FL-EC
Endcap w/hole CH-SM-LS-SF-FL-ECH
Mounting Clip CH-SM-LE-MC
Rotating Mounting Clip CH-SM-LE-MC-R

CH-SM-LT-RE

(Previously Known As CHS-R-1715)



A: 0.68" (17.25mm)
B: 0.48" (12.30mm)
C: 0.59" (15.05mm)
D: 0.98" (25.00mm)



MATERIAL

Anodized Aluminum

DESCRIPTION

Small - Tall - Recessed - Channel.

LENGTH

7 Ft.

LENS TYPES

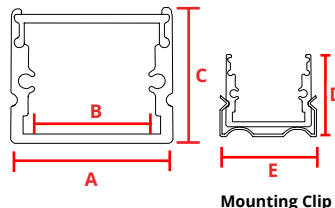
Clear CH-SM-LN-FL-CC
Frosted CH-SM-LN-FL-CF
Milky CH-SM-LN-FL-CM

ACCESSORIES

Endcap CH-SM-LT-RE-FL-EC
Endcap w/hole CH-SM-LT-RE-FL-ECH

CH-SM-LT-SF

(Previously Known As CHS-S-1715)



A: 0.68" (17.25mm) D: 0.66" (16.76mm)
B: 0.48" (12.30mm) E: 0.78" (19.90mm)
C: 0.59" (15.05mm)



MATERIAL

Anodized Aluminum

DESCRIPTION

Small - Tall - Surface - Channel.

LENGTH

7 Ft.

LENS TYPES

Clear CH-SM-LN-FL-CC
Frosted CH-SM-LN-FL-CF
Milky CH-SM-LN-FL-CM

ACCESSORIES

Endcap CH-SM-LT-SF-FL-EC
Endcap w/hole CH-SM-LT-SF-FL-ECH
Mounting Clip CH-SM-LE-MC
Rotating Mounting Clip CH-SM-LE-MC-R

MOUNTING OPTIONS - COMPATIBLE CHANNELS

- Not Blended
 Blended w/Milky Lens
 1 Configuration 1
 1a Configuration 1 with Auxiliary Housing Accessory
 2 Configuration 2
 3 Configuration 3

MEDIUM CHANNELS

MEDIUM CHANNEL PART NUMBER BREAKDOWN:

CHANNEL	CHANNEL SIZE	CHANNEL TYPE	FINISH	LENS TYPE	LENS DIFFUSION	MOUNTING
CH-MD = Channel Medium	LS = Lite TL = Tall ⁶	SF = Surface RE = Recessed ⁴	SS = Satin Silver MB = Matte Black Anodized ⁹ BZ = Deep Bronze Anodized ⁹ WH = White Powder Coat ⁹ GY = Gray Powder Coat ⁹	FL = Flat	CC = Clear CF = Frosted CM = Milky	NA = Direct Surface MC = Mounting Clip ⁷ RC = Rotating Clip ⁷ PD = Pendant ^{7, 8}
			BL = Blue Powder Coat ⁹ RD = Red Powder Coat ⁹ CH = Chrome ⁹ CR = Custom RAL Powder Coat ⁹			

4: Not available for tall channel.

5: Only available in surface channel type.

6: Not available with recessed channel type or Tall channel size.

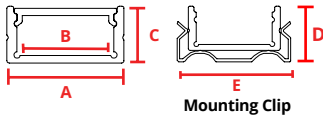
7: Not compatible with recessed options.

8: Not available with Lite option.

9: Special order finishes may increase order lead time and incur an added cost.

CH-MD-LS-SF

(Previously Known As CHW-S-2010)



Mounting Clip

- A:** 0.93" (23.50mm) **D:** 0.48" (12.19mm)
B: 0.78" (20.00mm) **E:** 1.02" (25.80mm)
C: 0.39" (10.00mm)



1

2

3

MATERIAL

Anodized Aluminum

DESCRIPTION

Medium - Lite - Surface - Channel.

LENGTH

7 Ft.

LENS TYPES

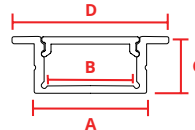
Clear	CH-MD-LN-FL-CC
Frosted	CH-MD-LN-FL-CF
Milky	CH-MD-LN-FL-CM

ACCESSORIES

Endcap	CH-MD-LS-SF-FL-EC
Endcap w/hole	CH-MD-LS-SF-FL-ECH
Mounting Clip	CH-MD-LE-MC
Rotating Mounting Clip	CH-MD-LE-MC-R

CH-MD-LS-RE

(Previously Known As CHW-R-2010)



- A:** 0.93" (23.50mm)
B: 0.78" (20.00mm)
C: 0.39" (10.00mm)
D: 1.19" (30.24mm)



1

2

MATERIAL

Anodized Aluminum

DESCRIPTION

Medium - Lite - Recessed - Channel.

LENGTH

7 Ft.

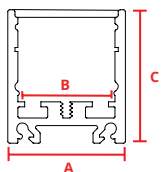
LENS TYPES

Clear	CH-MD-LN-FL-CC
Frosted	CH-MD-LN-FL-CF
Milky	CH-MD-LN-FL-CM

ACCESSORIES

Endcap	CH-MD-LS-RE-FL-EC
Endcap w/hole	CH-MD-LS-RE-FL-ECH
Mounting Clip	CH-MD-LE-MC
Rotating Mounting Clip	CH-MD-LE-MC-R

CH-MD-TL-SF



- A:** 0.90" (23.11mm)
B: 0.75" (19.05mm)
C: 1.02" (26.16mm)



1

2

3

MATERIAL

Anodized Aluminum

DESCRIPTION

Medium - Tall - Surface - Channel.

LENGTH

7 Ft.

LENS TYPES

Clear	CH-MD-LN-FL-CC
Frosted	CH-MD-LN-FL-CF
Milky	CH-MD-LN-FL-CM

ACCESSORIES

Endcap	CH-MD-TL-SF-FL-EC
Endcap w/hole	CH-MD-TL-SF-FL-ECH
Mounting Clip	CH-MC
Rotating Mounting Clip	CH-MC-R-AY
Pendant	CH-PD-KIT

MOUNTING OPTIONS - COMPATIBLE CHANNELS

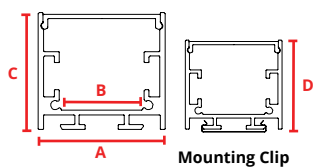
- Not Blended
 Blended w/Milky Lens
 1 Configuration 1
 1a Configuration 1 with Auxiliary Housing Accessory
 2 Configuration 2
 3 Configuration 3

LARGE CHANNELS

CHANNEL PART NUMBER BREAKDOWN:

CHS	+	R	+	1208
SERIES		APPLICATION		DIMENSIONS
CHS = Slim Channel CHW = Wide Channel		S = Surface Mount R = Recessed Mount C = Corner Mount H = Hanging Mount		XXXX = W x H (mm)

CHW-S-3535



- A:** 1.39" (35.25mm)
B: 0.96" (24.50mm)
C: 1.39" (35.25mm)
D: 1.54" (39.00mm)

*Must specify for hanging or surface mount application.



MATERIAL

Anodized Aluminum



DESCRIPTION

Wide and deep surface mounted or hanging channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens.



LENGTH

2 meter



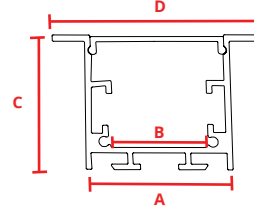
LENS TYPES

Frosted Milky CHW-35mm-CF
Milky CHW-35mm-CM

ACCESSORIES

Endcap	CHW-S-3535-EC
Endcap w/hole	CHW-S-3535-ECH
Mounting Clip	CHW-S-3535-MC
Hanging Hardware	CHW-SH-3535-MW
Bracket Straight	CHW-S-XX35-BS
Bracket 90° Flat	CHW-S-XX35-B90F
Bracket 90° Raised	CHW-S-XX35-B90R
End Cap for FLEX AC	CHW-S-3535-ECAC
Mounting Clip for FLEX AC	CHW-S-3535-MCAC
VHB Tape	VHBTAPE.AC

CHW-R-4435



- A:** 1.39" (35.25mm)
B: 0.96" (24.50mm)
C: 1.39" (35.25mm)
D: 2.00" (51.04mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Wide and deep recessed channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens. Can be securely and conveniently mounted with CHW-R-4435-SC spring clip.



LENGTH

2 meter



LENS TYPES

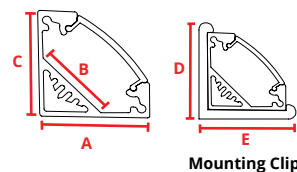
Frosted Milky CHW-35mm-CF
Milky CHW-35mm-CM

ACCESSORIES

Endcap	CHW-R-4435-EC
Endcap w/hole	CHW-R-4435-ECH
Mounting Clip	CHW-R-4435-SC
Bracket Straight	CHW-S-XX35-BS
Bracket 90° Flat	CHW-S-XX35-B90F
Bracket 90° Raised	CHW-S-XX35-B90R
End Cap for FLEX AC	CHW-R-4435-ECAC
Mounting Clip for FLEX AC	CHW-R-4435-MCAC
VHB Tape	VHBTAPE.AC

CORNER CHANNELS

CHS-C-1919



- A:** 0.73" (18.50mm) **D:** 0.82" (20.82mm)
B: 0.48" (12.20mm) **E:** 0.82" (20.82mm)
C: 0.73" (18.50mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Slim corner mount channel.



LENGTH

2 meter



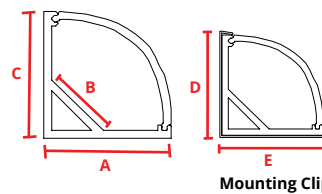
LENS TYPES

Clear CHS-12mm-CC
Frosted CHS-12mm-CF
Milky CHS-12mm-CM

ACCESSORIES

Endcap	CHS-C-1919-EC
Endcap w/hole	CHS-C-1919-ECH
Mounting Clip	CHS-C-1919-MC

CHS-C-1616



- A:** 0.63" (16.00mm) **D:** 0.70" (17.78mm)
B: 0.39" (10.00mm) **E:** 0.70" (17.78mm)
C: 0.63" (16.00mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Slim corner mount channel with rounded lens.



LENGTH

2 meter



LENS TYPES

Frosted Milky CHS-C-1616-CF
Milky CHS-C-1616-CM

ACCESSORIES

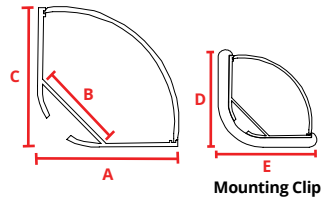
Endcap	CHS-C-1616-EC
Endcap w/hole	CHS-C-1616-ECH
Mounting Clip	CHS-C-1616-MC

MOUNTING OPTIONS - COMPATIBLE CHANNELS

- Not Blended
 Blended w/Milky Lens
 1 Configuration 1
 1a Configuration 1 with Auxiliary Housing Accessory
 2 Configuration 2
 3 Configuration 3

CORNER CHANNELS

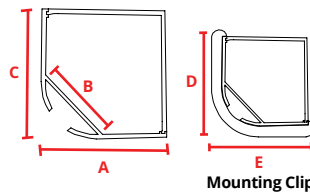
CHW-C-3030



A: 1.18" (30.00mm) **D:** 1.29" (32.77mm)
B: 0.78" (20.20mm) **E:** 1.29" (32.77mm)
C: 1.18" (30.00mm)

	MATERIAL Anodized Aluminum
1	DESCRIPTION 45 degree channel with rounded lens.
2	LENGTH 2 meter
3	LENS TYPES Clear CHW-C-3030-CC Frosted CHW-C-3030-CF Milky CHW-C-3030-CM
	ACCESSORIES Endcap CHW-C-3030-EC Endcap w/hole CHW-C-3030-ECH Mounting Clip CHW-C-3030-MC

CHW-C-3030S

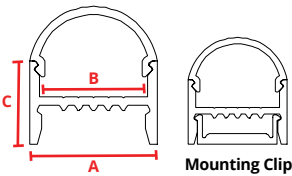


A: 1.18" (30.00mm) **D:** 1.29" (32.77mm)
B: 0.78" (20.20mm) **E:** 1.29" (32.77mm)
C: 1.18" (30.00mm)

	MATERIAL Anodized Aluminum
1	DESCRIPTION 45 degree channel with square lens.
2	LENGTH 2 meter
3	LENS TYPES Clear CHW-C-3030S-CC Frosted CHW-C-3030S-CF Milky CHW-C-3030S-CM
	ACCESSORIES Endcap CHW-C-3030S-EC Endcap w/hole CHW-C-3030S-ECH Mounting Clip CHW-C-3030S-MC

SPECIALTY CHANNELS

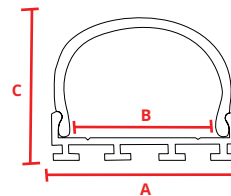
CHS-S-1922R



A: 0.77" (19.50mm)
B: 0.65" (16.50mm)
C: 0.86" (21.80mm)

	MATERIAL Anodized Aluminum
1	DESCRIPTION Slim surface mounted channel with rounded wrap around lens. Mounting clip is fully concealed within fixture base.
2	LENGTH 2 meter
3	LENS TYPES Milky CHW-S-1922R-CM
	ACCESSORIES Endcap CHS-S-1922R-EC Endcap w/hole CHS-S-1922R-ECH Mounting Clip CHS-S-1922R-MC

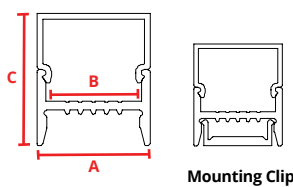
CHW-S-2623



A: 1.03" (26.20mm)
B: 0.80" (20.35mm)
C: 0.89" (22.76mm)

	MATERIAL Anodized Aluminum
1	DESCRIPTION Surface mounted channel with wrap around lens.
2	LENGTH 2 meter
	LENS TYPES Milky CHW-S-2623-CM
	ACCESSORIES Endcap CHW-S-2623-EC Endcap w/hole CHW-S-2623-ECH

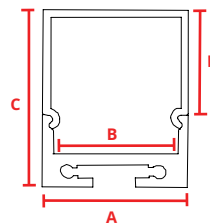
CHS-S-1922S



A: 0.77" (19.50mm)
B: 0.65" (16.50mm)
C: 0.86" (21.80mm)

	MATERIAL Anodized Aluminum
1	DESCRIPTION Slim surface mounted channel with square wrap around lens. Mounting clip is fully concealed within fixture base.
2	LENGTH 2 meter
3	LENS TYPES Milky CHW-S-1922S-CM
	ACCESSORIES Endcap CHS-S-1922S-EC Endcap w/hole CHS-S-1922S-ECH Mounting Clip CHS-S-1922S-MC

CHW-S/H-2027



A: 0.79" (20.30mm)
B: 0.66" (16.70mm)
C: 1.06" (27.00mm)
D: 0.76" (19.50mm)

	MATERIAL Anodized Aluminum
1	DESCRIPTION Small surfaced mounted or hanging channel with wrap around lens.
2	LENGTH 2 meter
	LENS TYPES Clear CHW-SH-2027-CC Frosted CHW-SH-2027-CF Milky CHW-SH-2027-CM
	ACCESSORIES Endcap CHW-SH-2027-EC End Cap w/hole CHW-SH-2027-ECH Hanging Hardware CHW-SH-MW Bracket Straight CHW-SH-BS Bracket 90° Flat CHW-SH-B90F Bracket 90° Raised CHW-SH-B90R

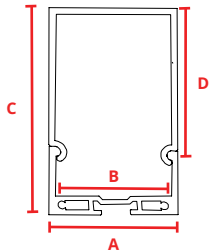
**Must specify for hanging or surface mount application.*

MOUNTING OPTIONS - COMPATIBLE CHANNELS

- Not Blended
 Blended w/Milky Lens
 1 Configuration 1
 1a Configuration 1 with Auxiliary Housing Accessory
 2 Configuration 2
 3 Configuration 3

SPECIALTY CHANNELS

CHW-S/H-3561



A: 1.38" (35.00mm) **C:** 2.43" (61.70mm)
B: 1.24" (31.40mm) **D:** 1.57" (39.90mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Large surface mounted or hanging channel with wrap around lens.



LENGTH

2 meter



LENS TYPES

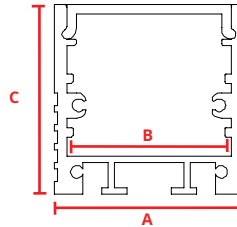
Milky CHW-SH-3561-CM

ACCESSORIES

Endcap CHW-SH-3561-EC
End Cap w/hole CHW-SH-3561-ECH
Hanging Hardware CHW-SH-MW
Bracket Straight CHW-SH-BS
Bracket 90° Flat CHW-SH-B90F
Bracket 90° Raised CHW-SH-B90R

*Must specify for hanging or surface mount application.

CHW-S/H-3030



A: 1.18" (30.00mm)
B: 1.01" (25.60mm)
C: 1.18" (30.00mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Wide and deep surface mounted or hanging channel with flat lens for even blending.



LENGTH

2 meter

LENS TYPES

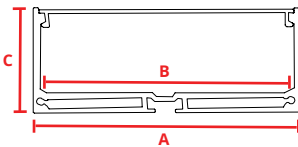
Milky CHW-SH-3030-CM

ACCESSORIES

Endcap CHW-SH-3030-EC
Endcap w/hole CHW-SH-3030-ECH
Hanging Hardware CHW-SH-MW
Bracket Straight CHW-SH-BS
Bracket 90° Flat CHW-SH-B90F
Bracket 90° Raised CHW-SH-B90R
End Cap for FLEX AC CHW-SH-3030-ECAC
Mounting Clip for FLEX AC CHW-SH-3030-MCAC
VHB Tape VHBTAPE.AC

*Must specify for hanging or surface mount application.

CHW-S/H-7532



A: 2.95" (75.00mm)
B: 2.52" (64.00mm)
C: 1.26" (32.00mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Wide surface mounted or hanging channel with flat lens.



LENGTH

2 meter



LENS TYPES

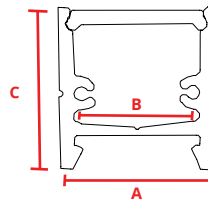
Frosted CHW-SH-7532-CF

ACCESSORIES

Endcap CHW-SH-7532-EC
Endcap w/hole CHW-SH-7532-ECH
Hanging Hardware CHW-SH-MW
Bracket Straight CHW-SH-BS
Bracket 90° Flat CHW-SH-B90F
Bracket 90° Raised CHW-SH-B90R

*Must specify for hanging or surface mount application.

CHC-S-1921



A: 0.76" (19.43mm)
B: 0.55" (14.09mm)
C: 0.84" (21.43mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Surface mount channel with flat lens. Mounts to ferrous and non-ferrous surfaces using magnets with no visible fasteners once mounted.



LENGTH

2 meter

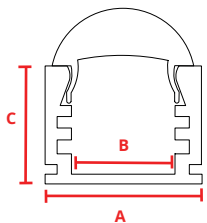
LENS TYPES

Milky CHC-S-1921-CM

ACCESSORIES

Anodized Aluminum Endcap CHC-S-1921-EC
Anodized Aluminum Endcap w/hole CHC-S-1921-ECH
Channel Mounted Magnet CHC-S-1921-MA
Wall Mounted Magnet CHC-S-1921-M
1" Mounting Plate CHC-S-1921-B1

CHSP-S-1618



A: 0.63" (16.00mm) **C:** 0.49" (11.90mm)
B: 0.40" (10.16mm)



MATERIAL

Anodized Aluminum



DESCRIPTION

Includes an aluminum insert that allows selection between (4) different beamspreads based on the position of the insert.



LENGTH

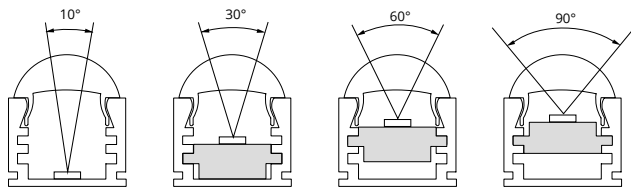
2 meter

LENS TYPES

Focusing Lens CHSP-S-1618-CFL

ACCESSORIES

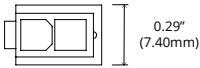
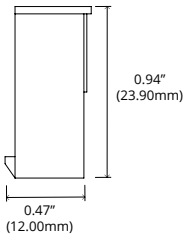
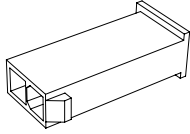
Endcap CHSP-S-1618-EC
Endcap w/hole CHSP-S-1618-ECH
Mounting Clip CHSP-S-1618-MC



ACCESSORIES

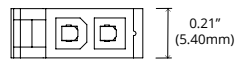
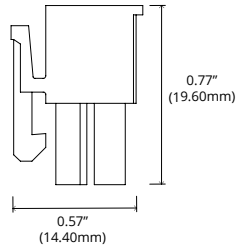
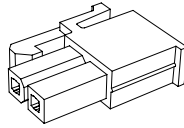
LC-I2P-M

Indoor Lead Connector
(Male)



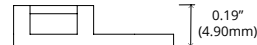
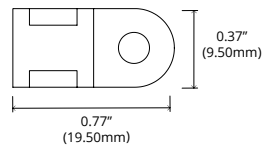
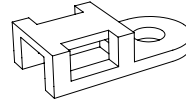
LC-I2P-F

Indoor Lead Connector
(Female)



FLEX.ZIP

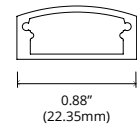
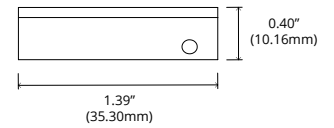
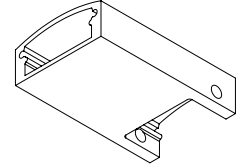
Strain Relief Clip



PFC-HO-1208-SS-KIT

1a Configuration 1 with
Auxiliary Housing Accessory

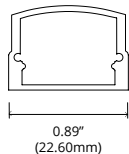
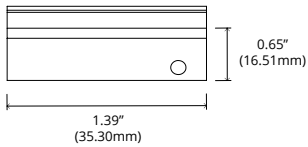
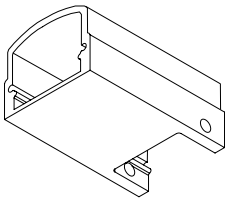
Flex Connect Auxiliary Housing
Accessory



PFC-HO-1715-SS-KIT

1a Configuration 1 with
Auxiliary Housing Accessory

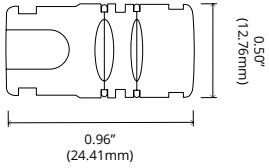
Flex Connect Auxiliary Housing
Accessory



ACCESSORIES

FLEX STP.PFC-02.10

Field installed FLEX Connect® power feed
- 2 Conductor for 10mm Strip

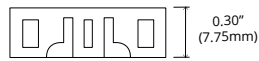
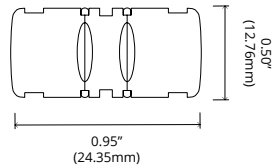


Fits in all channel **except:**

- CHS-R-1208
- CHS-R-1715
- CHS-S-1208
- CHS-S-1715
- CHS-C-1919
- CHS-C-1616
- CHC-S-1921
- CHSP-R-2970
- CHSP-S-1618
- CHSP-STEP-8142

FLEXSTP.BSC.02.10

Field installed FLEX Connect® butt splice -
2 Conductor for 10mm Strip

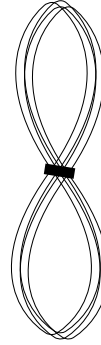


Fits in all channel **except:**

- CHS-R-1208
- CHS-R-1715
- CHS-S-1208
- CHS-S-1715
- CHS-C-1919
- CHS-C-1616
- CHC-S-1921
- CHSP-R-2970
- CHSP-S-1618
- CHSP-STEP-8142

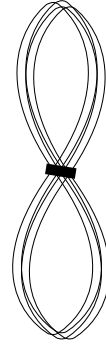
LO-18G-2C-W-72

6' wire lead for FLEX Connect®
(not in-wall rated)



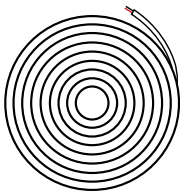
LP-18G-2C-W-72

6' Plenum rated wire lead for
FLEX Connect™



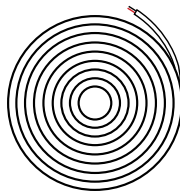
LO-18G-2C-W-SP

1000' spool of wire for
FLEX Connect® (not in-wall rated)



LP-18G-2C-W-SP

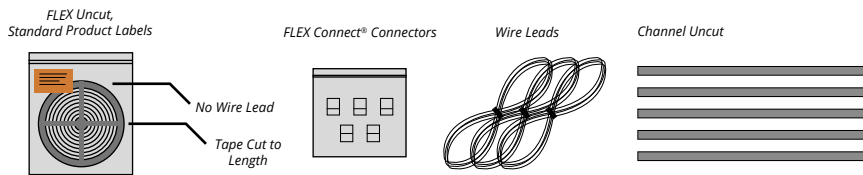
500' box of Plenum rated wire for
FLEX Connect®



CONFIGURATION TYPES

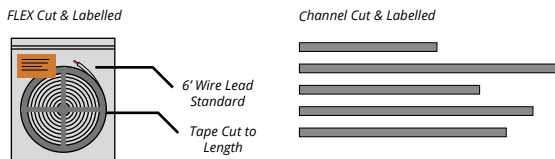
① FLEX cut to length with FLEX Connect® Power Feeds for Field Termination, Channel uncut for field cutting

- Specify **FLEXConfig-1**
- Specify FLEX type and channel type
- FLEX factory cut to length, but not terminated
- One FLEX Connect® power feed connector and 6' lead provided per FLEX run
 - Uncut rolls of lead wire can also be provided (see page 8 for part #)
- Channel shipped uncut for field cutting.
- Specify number of butt splices (not shown - see page 8)
- IP68 not available in **FLEXConfig-1**
- JA8 2016 not available in **FLEXConfig-1**
- **FLEXConfig-1** is quick ship if run lengths are provided at time of order. Take offs, if needed, will add lead time.
- The below channels are **NOT** compatible with FLEX Connect®:
 - Slim:**
 - CHS-R-1208
 - CHS-R-1715
 - CHS-S-1208
 - CHS-S-1715
 - CHS-C-1616
 - CHC-S-1921
 - Specialty:**
 - CHSP-R-2970
 - CHSP-S-1618
 - CHSP-STEP-8142



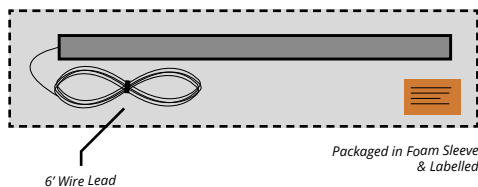
② CUT TO LENGTH WITH SOLDERED LEADS, ASSEMBLE ON-SITE^{1, 2, 3}

- Specify **FLEXConfig-2**
- Specify FLEX type and channel type
- Specify run lengths
- IP68 only available in **FLEXConfig-2**
- If no config is specified, and run lengths are provided, **FLEXConfig-2** will be used



③ Pre-Assembled Factory Finished Fixtures^{1, 2}

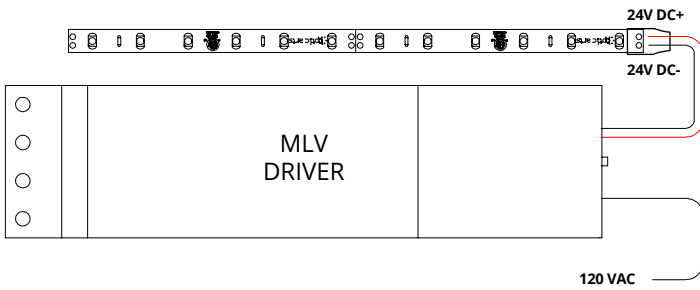
- Specify **FLEXConfig-3**
- Fully assembled fixture
- ETL stamped and listed as a fixture
- 6.50' max length
- Standard 6' power lead unless otherwise specified
- The below channels **CANNOT** be factory assembled:
 - Slim:**
 - CHS-R-1208
 - CHS-R-1715
 - Wide:**
 - CHW-R-2010
 - CHW-S-2027
 - CHW-S-7532
 - CHW-S-2623
 - CHW-S-3030
 - CHW-S-3561



NOTES:

1. Due to the nature of the FLEX STP product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.
2. Unless otherwise specified, channel is cut 15mm longer than FLEX STP.
3. Some on-site assembly required. See installation guides for details.

COMPATIBLE DRIVERS



MLV (MLV)

PART	DESCRIPTION
ML10S24VDC	10W 120VAC DIMMABLE DRIVER
ML20S24VDC	20W 120VAC DIMMABLE DRIVER
ML35S24VDC	35W 120VAC DIMMABLE DRIVER
ML35S24VDC-277	35W 277VAC DIMMABLE DRIVER
ML40S24VDC	40W 120VAC DIMMABLE DRIVER
ML50S24VDC	50W 120VAC DIMMABLE DRIVER
ML50S24VDC-277	50W 277VAC DIMMABLE DRIVER
ML60S24VDC	60W 120VAC DIMMABLE DRIVER
ML75S24VDC	75W 120VAC DIMMABLE DRIVER
ML75S24VDC-277	75W 277VAC DIMMABLE DRIVER
ML96S24VDC	96W 120VAC DIMMABLE DRIVER
ML96S24VDC-277	96W 120VAC DIMMABLE DRIVER
EM2-200S24DC	200W 120VAC DIMMABLE DRIVER, 2 96W CIRCUITS
EM3-300S24DC	300W 120VAC DIMMABLE DRIVER, 3 96W CIRCUITS
EM2-200S24DC-277	200W 120VAC DIMMABLE DRIVER, 2 96W CIRCUITS
EM3-300S24DC-277	288W 120VAC DIMMABLE DRIVER, 3 96W CIRCUITS

DIMENSIONS

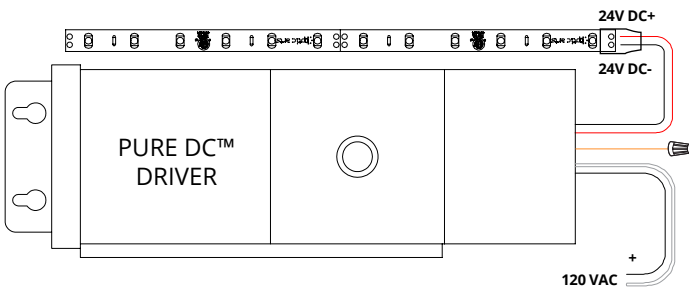
Power Rating	Dimensions (H x W x D)
10W-50W	H 2.11"; W 7.38"; D 1.60"
60W-96W	H 3.93"; W 8.13"; D 1.59"
200-300W	H 5.69"; W 10.29"; D 3.13"

DIMMING PERFORMANCE

MLV DRIVER Dims to 20% on most MLV dimmers

NOTE: Must be loaded between 75%-100% of rated load to maintain FLEX DC warranty

120 VAC WIRING



PURE DC™ MLV (PDC)

PART	DESCRIPTION
PDC.40.24	40W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER
PDC.96.24	96W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER

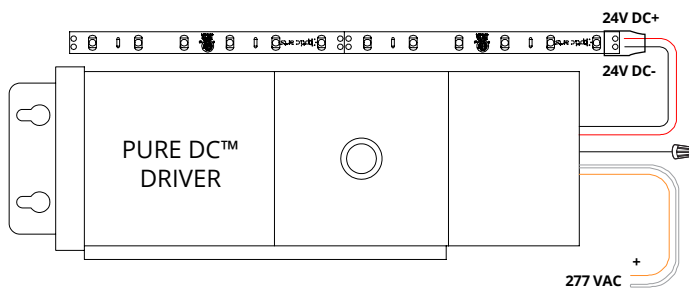
DIMENSIONS

Power Rating	Dimensions (L x W x H)
40W	L 14.25"; W 3.00"; H 2.88"
96W	L 14.75"; W 4.31"; H 4.81"

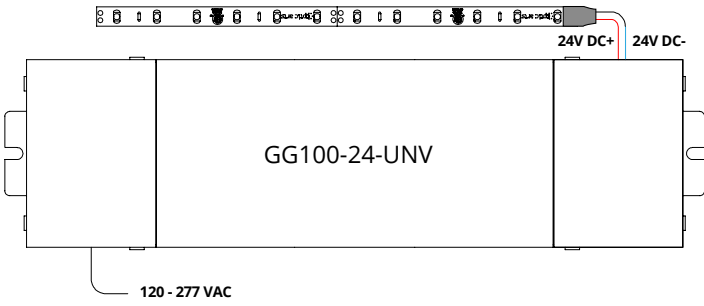
DIMMING PERFORMANCE

PURE DC™ DRIVER Dims to 0.1% on most MLV dimmers

277 VAC WIRING

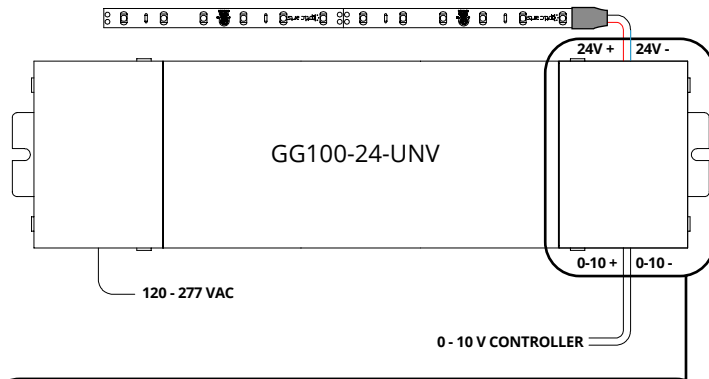


COMPATIBLE DRIVERS



ELECTRONIC DRIVER - NON-DIM (ND)

PART	DESCRIPTION
GG100E-24-UNV	96W 120-277VAC ELECTRONIC DRIVER
DIMENSIONS	
ELECTRONIC DRIVER	H 3.00"; W 11.46"; D 1.30"
DIMMING PERFORMANCE	
ELECTRONIC DRIVER	Non-Dim

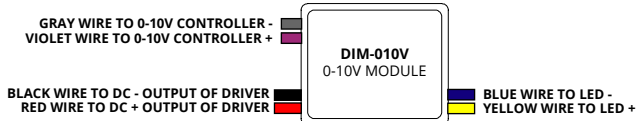


ELECTRONIC DRIVER W/0-10V MODULE (010)

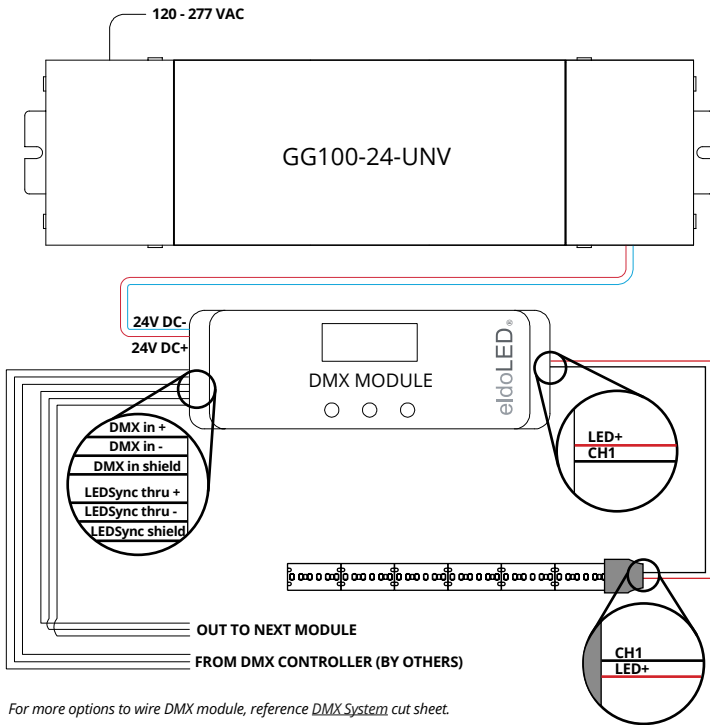
PART	DESCRIPTION
GG100E-24-UNV-010V	96W 120-277VAC ELECTRONIC DRIVER WITH 0-10V DIMMING MODULE (SINK)
DIMENSIONS	
ELECTRONIC DRIVER - 0-10V	H 3.00"; W 11.46"; D 1.30"
DIMMING PERFORMANCE	
ELECTRONIC DRIVER - 0-10V	Dims below 1% on most 0-10V dimmers

FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT

- Install DIM-010V Module in low voltage wiring compartment.
- Max number of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.



COMPATIBLE DRIVERS



For more options to wire DMX module, reference [DMX System](#) cut sheet.

ELECTRONIC DRIVER W/DMX MODULE (DMX)

PART	DESCRIPTION
GG100E-24-UNV-DMX	96W 120-277VAC ELECTRONIC DRIVER WITH eidoLED DMX DIMMING MODULE

DIMENSIONS

96W	H 3.00"; W 11.46"; D 1.30"
DMX MODULE	H 1.97"; W 6.02"; D 0.91"

*Must be installed in UL box (by others)

DIMMING PERFORMANCE

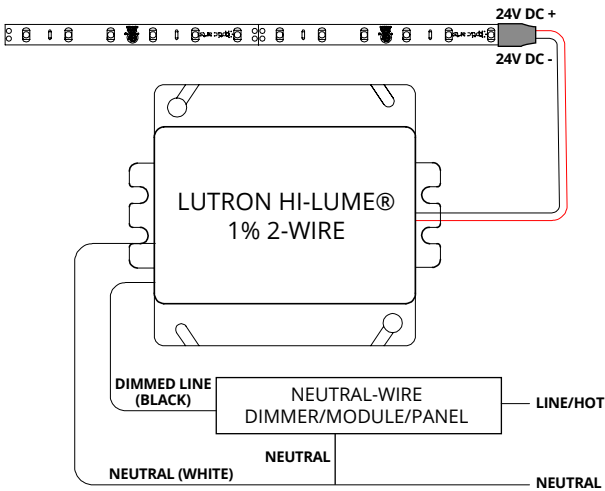
ELECTRONIC DRIVER - DMX MODULE Dims to 0.1% on most DMX systems

FLEX STP 70

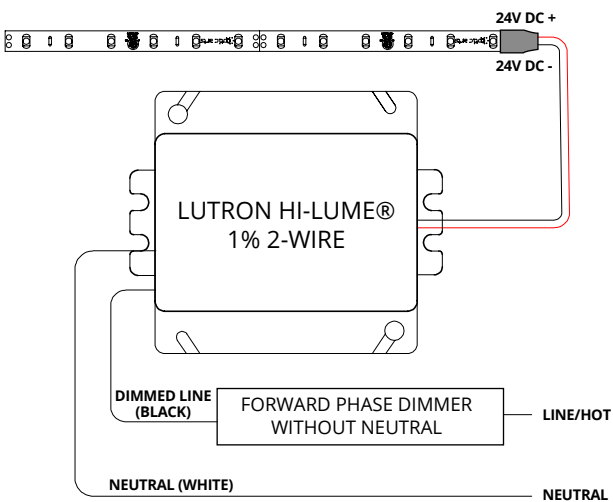
Specification Sheet

COMPATIBLE DRIVERS

DIMMER WITH NEUTRAL



DIMMER WITHOUT NEUTRAL



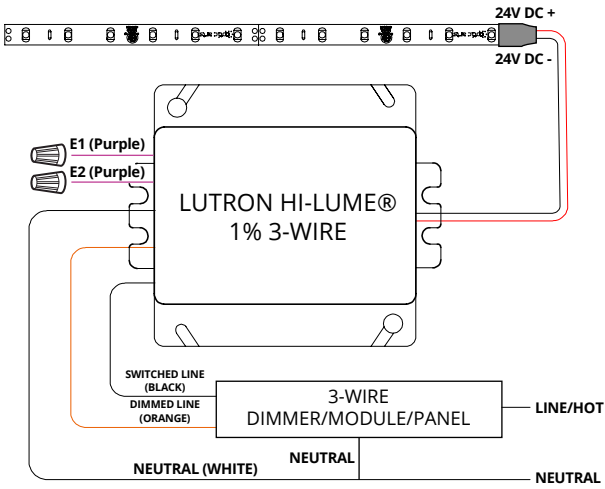
LUTRON HI-LUME® 1% 2-WIRE :
2-WIRE CONTROL FORWARD PHASE



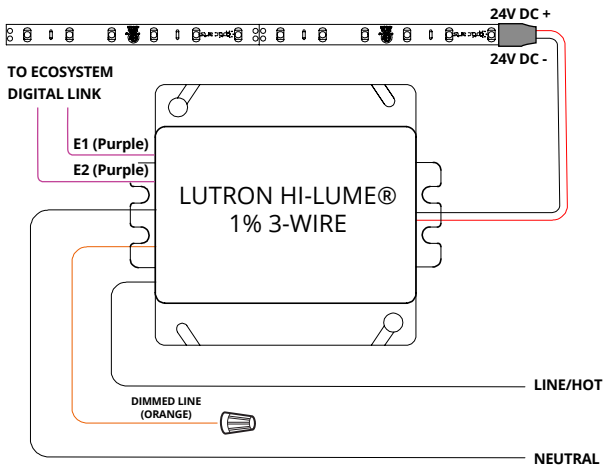
PART	DESCRIPTION
LTEA4U1UKL-CV240	5-40W, 120VAC, 2-WIRE FORWARD PHASE DRIVER
DIMENSIONS	
LUTRON HI-LUME® 1% 2-WIRE	H 4.00"; W 4.89"; D 2.62"
DIMMING PERFORMANCE	
LUTRON HI-LUME® 1% 2-WIRE	Dims to 1% with compatible Lutron controls

COMPATIBLE DRIVERS

3-WIRE



ECOSYSTEM



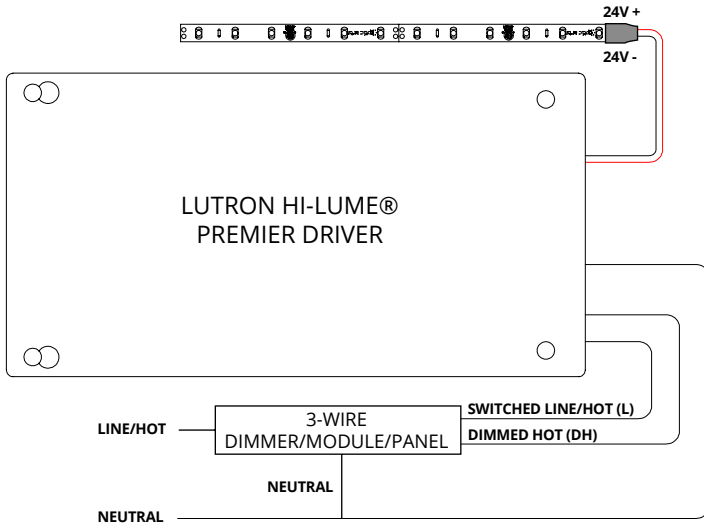
LUTRON HI-LUME® 1%: 3-WIRE/ECOSYSTEM



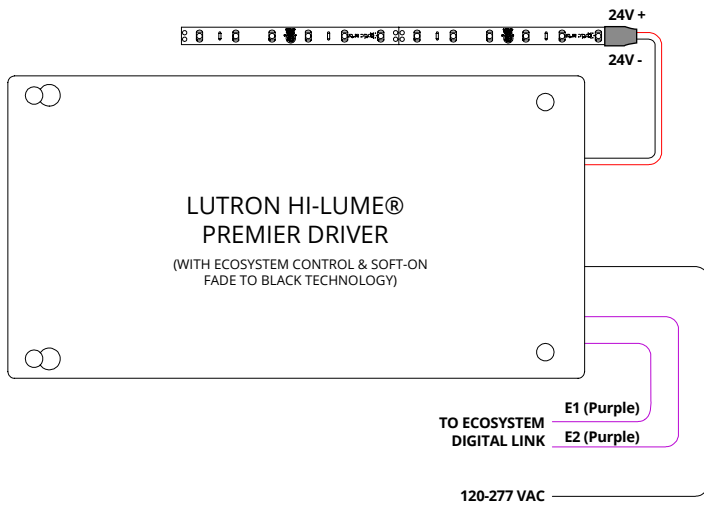
PART	DESCRIPTION
L3DA4U1UKL-CV240	5-40W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER
DIMENSIONS	
LUTRON HI-LUME® 1% 3-WIRE/ ECOSYSTEM	H 4.00"; W 4.89"; D 2.62"
DIMMING PERFORMANCE	
LUTRON HI-LUME® 1% 3-WIRE/ECOSYSTEM	Dims to 1% with compatible Lutron controls

COMPATIBLE DRIVERS

3-WIRE



ECOSYSTEM



LUTRON HI-LUME® PREMIER: 3-WIRE/ECOSYSTEM



PART	DESCRIPTION
L3D0-96W24V-U	2-96W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER

DIMENSIONS	
LUTRON HI-LUME® PREMIER	H 5.5"; W 10.5"; D 2.0"

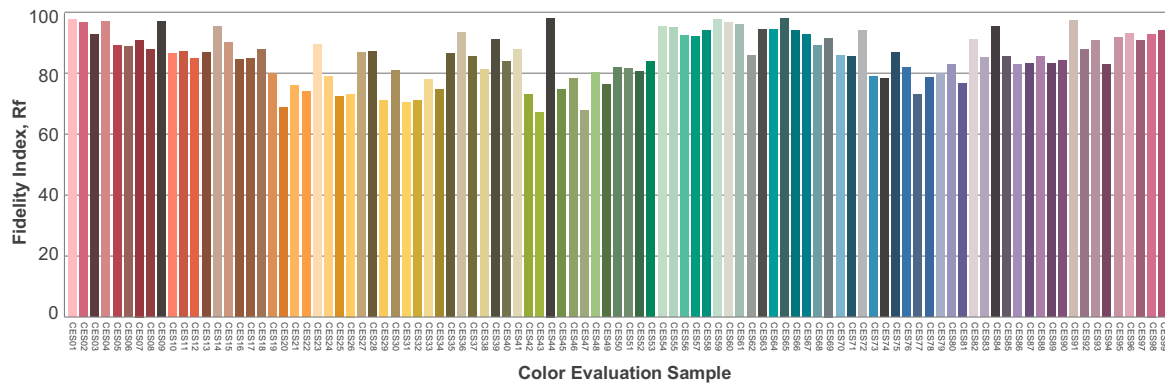
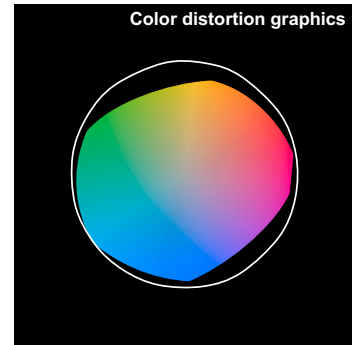
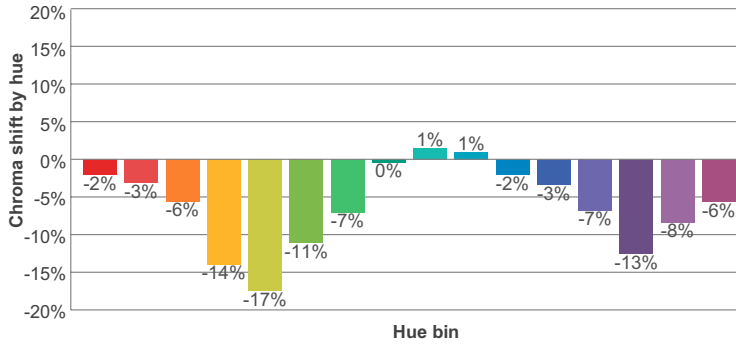
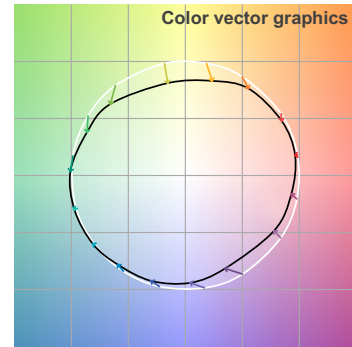
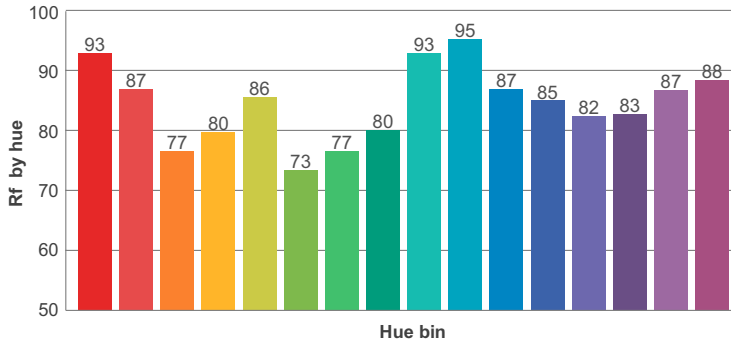
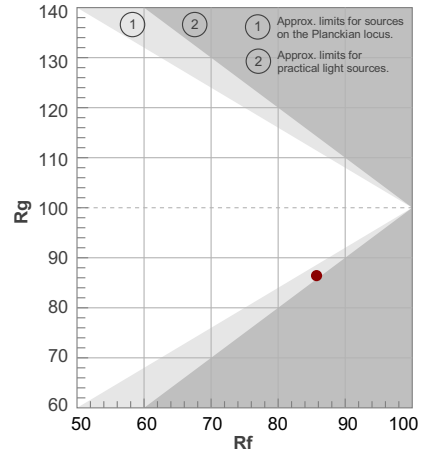
DIMMING PERFORMANCE	
LUTRON HI-LUME® PREMIER	Dims to 0.1% with compatible Lutron controls
<i>NOTE: Lutron soft-on, fade to black technology available with Ecosystem Digital Control only.</i>	

TM-30 - 1800K

Rf 85.7
Fidelity index Rf

Rg 86.4
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	0%
2	87	-3%	-5%
3	77	-6%	-10%
4	80	-14%	-8%
5	86	-17%	1%
6	73	-11%	13%
7	77	-7%	12%
8	80	0%	14%
9	93	1%	3%
10	95	1%	-2%
11	87	-2%	-7%
12	85	-3%	-8%
13	82	-7%	-11%
14	83	-13%	-10%
15	87	-8%	2%
16	88	-6%	3%

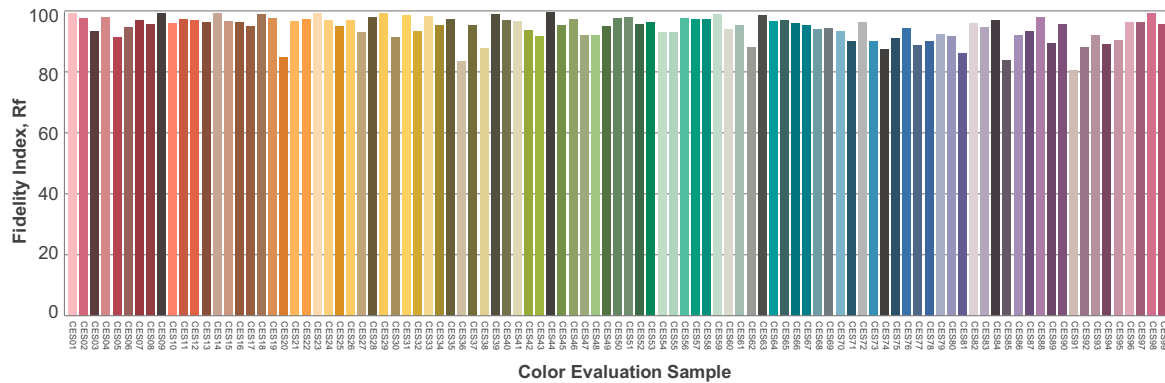
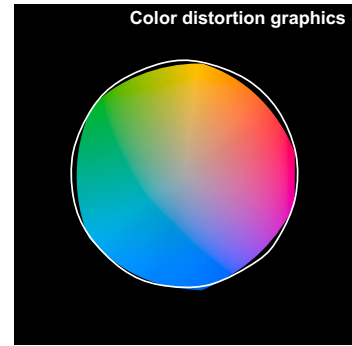
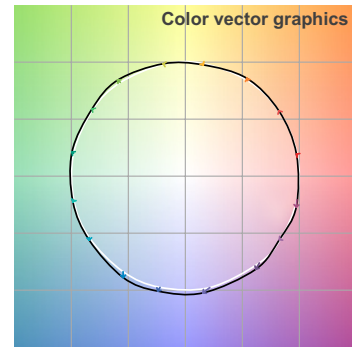
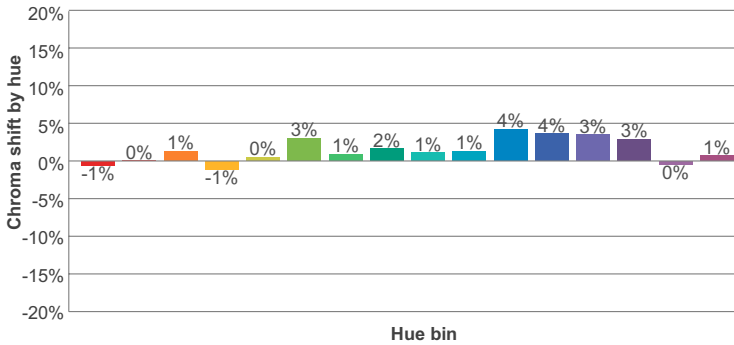
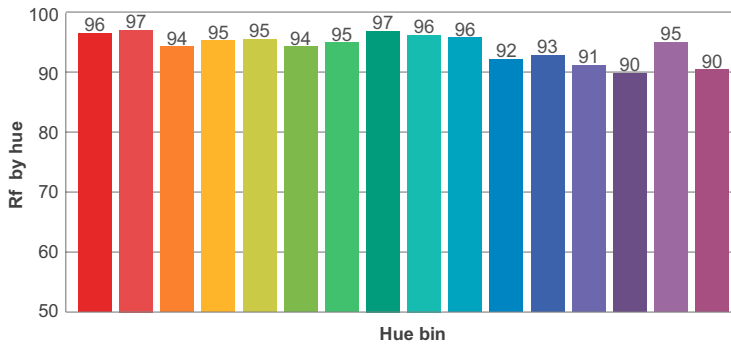
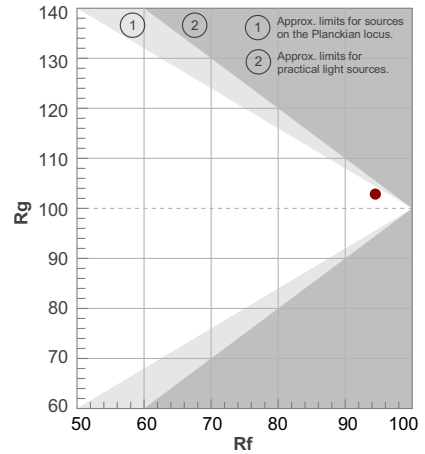


TM-30 - 2350K

Rf 94.5
Fidelity index Rf

Rg 102.9
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	1%
2	97	0%	1%
3	94	1%	2%
4	95	-1%	-1%
5	95	0%	1%
6	94	3%	1%
7	95	1%	0%
8	97	2%	-1%
9	96	1%	2%
10	96	1%	2%
11	92	4%	3%
12	93	4%	-1%
13	91	3%	-7%
14	90	3%	-6%
15	95	0%	-2%
16	90	1%	-7%

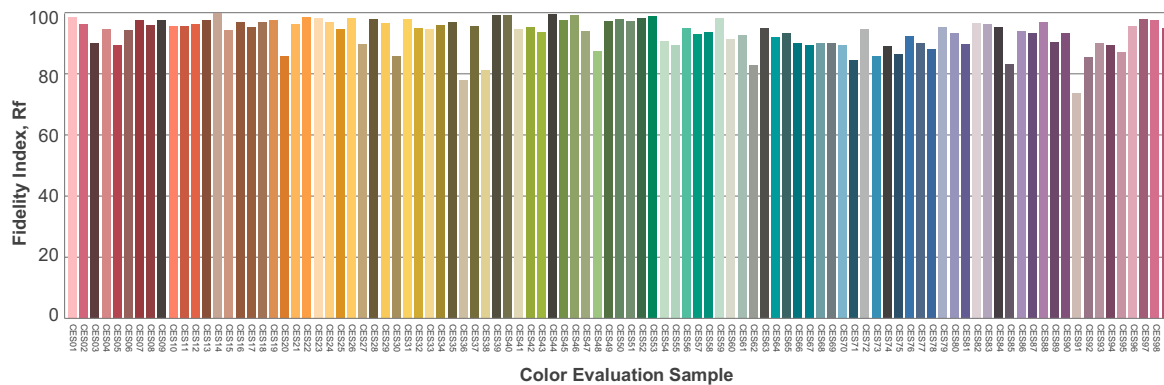
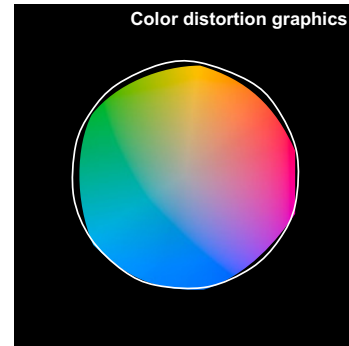
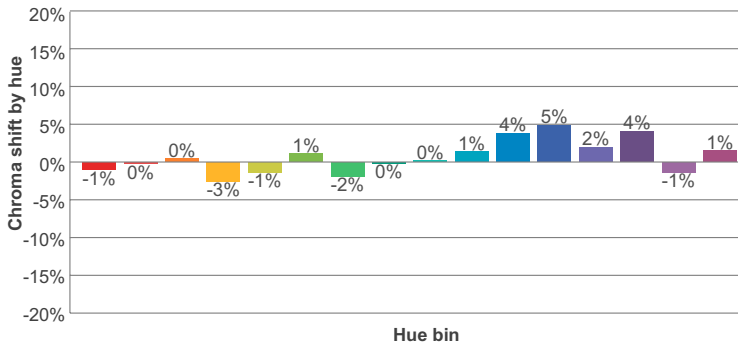
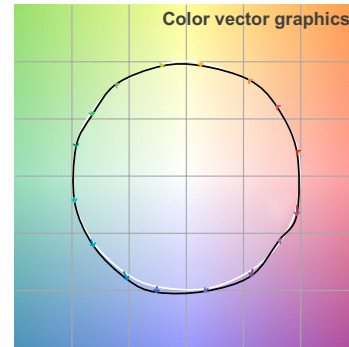
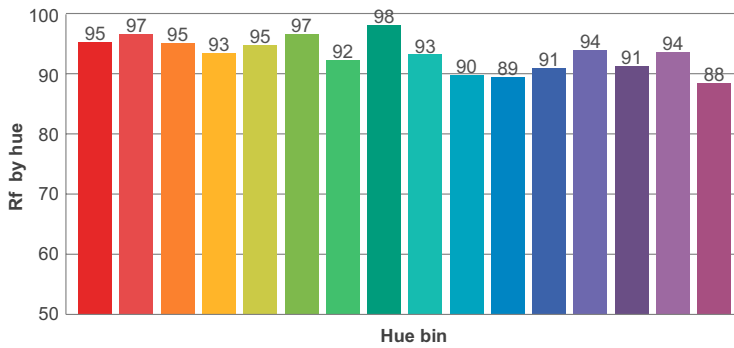
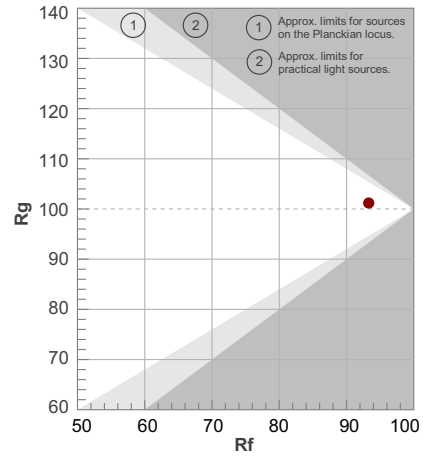


TM-30 - 2750K

Rf 93.3
Fidelity index Rf

Rg 101.2
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	1%
2	97	0%	1%
3	95	0%	2%
4	93	-3%	-1%
5	95	-1%	1%
6	97	1%	0%
7	92	-2%	2%
8	98	0%	1%
9	93	0%	4%
10	90	1%	6%
11	89	4%	6%
12	91	5%	0%
13	94	2%	-3%
14	91	4%	-5%
15	94	-1%	-1%
16	88	1%	-8%

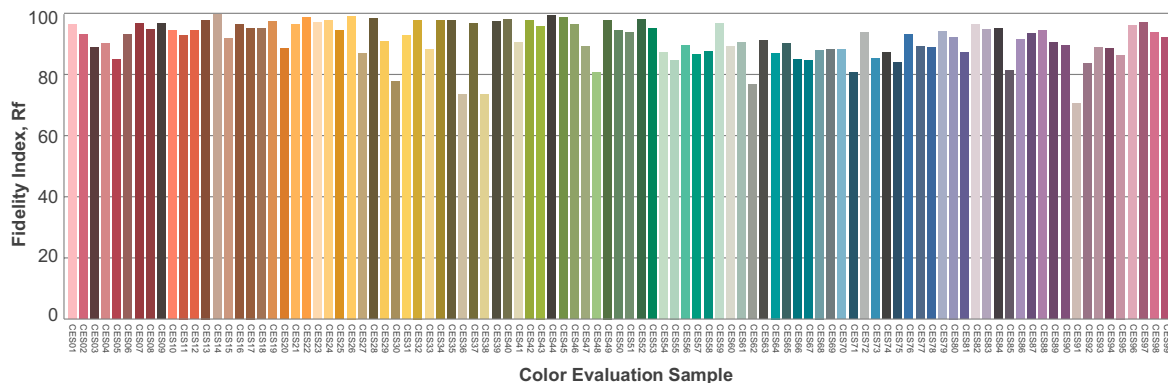
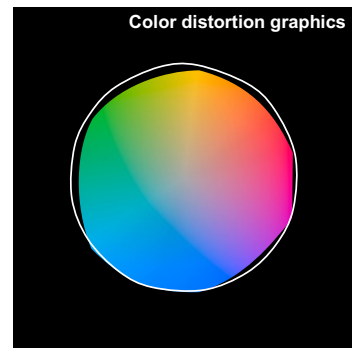
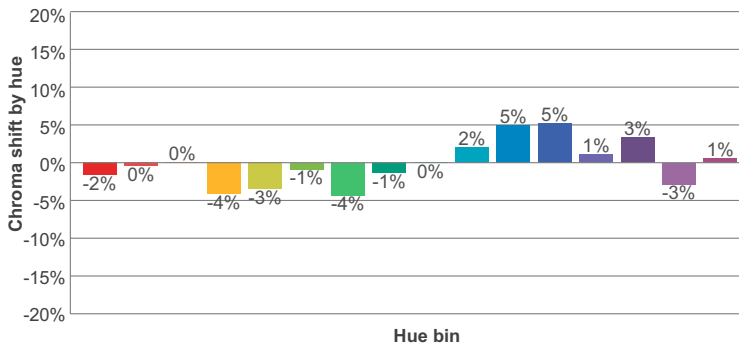
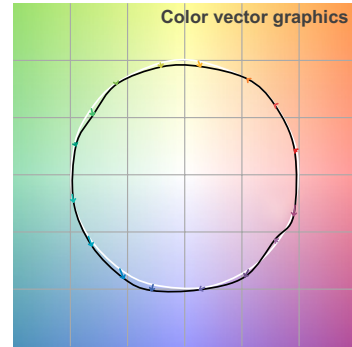
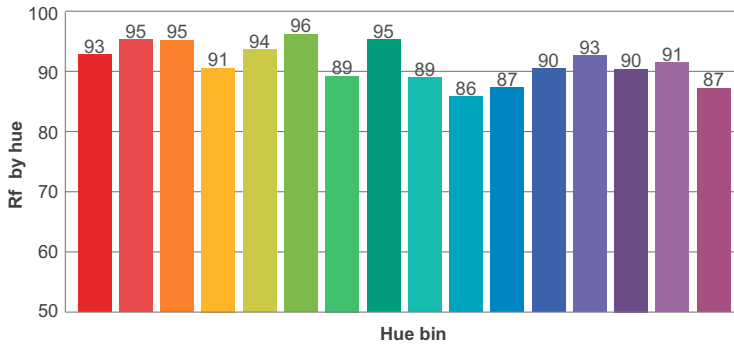
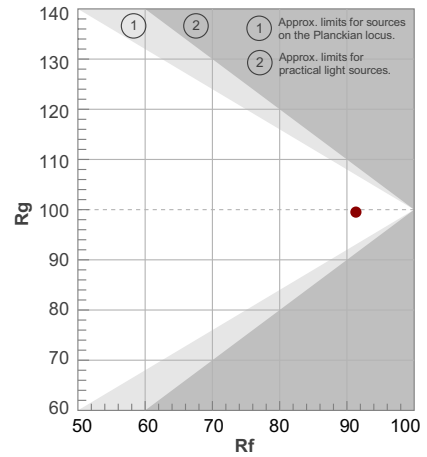


TM-30 - 2930K

Rf 91.3
Fidelity index Rf

Rg 99.5
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	2%
2	95	0%	1%
3	95	0%	1%
4	91	-4%	-3%
5	94	-3%	0%
6	96	-1%	0%
7	89	-4%	2%
8	95	-1%	4%
9	89	0%	6%
10	86	2%	8%
11	87	5%	7%
12	90	5%	0%
13	93	1%	-5%
14	90	3%	-6%
15	91	-3%	0%
16	87	1%	-9%



TM-30 - 3550K

Rf 91.9
Fidelity index Rf

Rg 101.0
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	1%
2	97	0%	0%
3	95	0%	1%
4	93	-2%	0%
5	91	-4%	0%
6	96	0%	1%
7	94	-3%	2%
8	95	-1%	2%
9	91	-1%	5%
10	86	0%	9%
11	85	4%	9%
12	89	4%	3%
13	96	2%	-1%
14	92	6%	-2%
15	91	2%	-2%
16	89	2%	-5%

