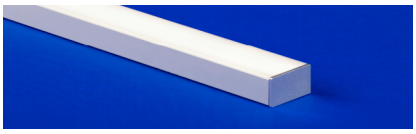
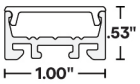
OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

410.2 & 410.16 Closet Rated up to 4.0W/ft

BUY AMERICAN ACT COMPLIANT | BUILD AMERICA, BUY AMERICA COMPLIANT





- Choose from diffused, polar or frosted lens options for varying diode visibility and beam cutoff
- Delivers smooth and consistent light to highlight architectural features and surfaces
- Ideal for surface-mounted installations
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look
- Suitable for installation in the storage area of a clothes closet when specified at 4.0 watts or less per foot per NEC regulations

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5
PRODUCT	WATTS/ FT	CCT	RATED	LENS

ADDITIONAL INFORMATION REQUIRED TO ORDER

6	7	8	9	10	11	12	13	14
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL

Sample Part Number: **OP1SW-5.0-30-DRY-DF-S1-BW-CLS-BK-CL2-CC-BK-48"-E**

1 PRODUCT

OP1SW
OP1SW-USA

Select USA option for BAA and BABA projects. Only DRY or WET ratings apply.

See following pages for compatible power supplies.

2 WATTS/FT

1.5	1.5W/ft
3.0	3.0W/ft
4.0	4.0W/ft
5.0	5.0W/ft
1.5HE	1.5W/ft HE
3.0HE	3.0W/ft HE
6.0HE	6.0W/ft HE
9.0HE	9.0W/ft HE

1.5	1.5W/ft
3.0	3.0W/ft
4.0	4.0W/ft
5.0	5.0W/ft
1.5HE	1.5W/ft HE
3.0HE	3.0W/ft HE
6.0HE	6.0W/ft HE

1.5	1.5W/ft
3.0	3.0W/ft
4.0	4.0W/ft
5.0	5.0W/ft

3 CCT

18	1800K
20	2000K
22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

18	1800K
20	2000K
22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

18	1800K
20	2000K
22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

4 RATED

DRY	IP20
DMP	IP54
WET	IP67

Can be suitable for exterior use, contact factory for more information

5 LENS

DF	Diffused
PR	Polar
FR	Frosted

6 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	End Feed
S2	Bottom Feed

PASS THROUGH (Input/Output)

P1	End Feed
P2	Bottom Feed

For continuous mounting, consider bottom feed.

7 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

8 CONNECTOR/WIRE OUT

CLS	Closed End (No feed)

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

9 WIRE COLOR

WH	White
BK	Black

10 WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

11 MOUNTING

CC	Concealed Clip
MG	Magnet

12 FINISH

ST	Satin
BK	Black
WH	White
CU	Custom

Custom finishes have longer lead times. Non-RAL 9003 whites custom.

13 LENGTH (IN)

Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".

14 EXACT/OPTIMAL

O	Optimal Illumination
E	Exact Specified Length

Exact fixtures are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.

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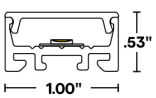
Specification subject to change. Rev-10-23-26

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance

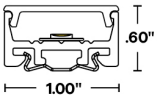
OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

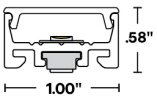
1 PRODUCT - DIMENSIONS



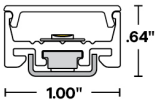
Profile



Profile with concealed clip



Profile with magnet clip



Profile with magnet mount clip and magnet mount accessory

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs, L70 = 66000 for HE]
Tested with OP1SW-**-30-DRY

	1.5 W/FT		1.5HE W/FT		3.0 W/FT		3.0HE W/FT		4.0 W/FT		5.0 W/FT		6.0HE W/FT		9.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
FR	132	98	150	98	226	98	288	98	286	98	372	98	625	98	917	98
PR	125	97	142	98	214	98	277	98	270	98	352	98	591	98	874	98
DF	110	97	126	98	188	97	245	98	238	98	309	98	524	98	776	98

TEMPERATURE RATINGS

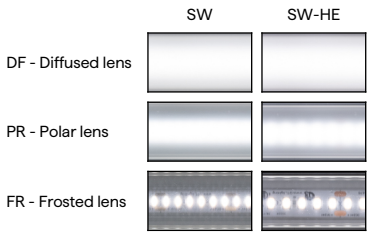
		1.5 W/FT		1.5 W/FT HE		3.0 W/FT		3.0 W/FT HE		4.0 W/FT		5.0 W/FT		6.0 W/FT HE		9.0 HE	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	145°F	-4°F	135°F	-4°F	135°F	-4°F	130°F	-4°F	125°F	-4°F	125°F	-4°F	105°F
DMP	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	145°F	-4°F	135°F	-4°F	135°F	-4°F	130°F	-4°F	125°F	-4°F	125°F	—	—
WET	Ambient Operating Temp - Surface	**	**	**	**	**	**	**	**	**	**	**	**	**	**	—	—

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OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

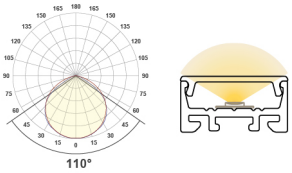
5 DIODE VISIBILITY



PHOTOMETRIC PERFORMANCE

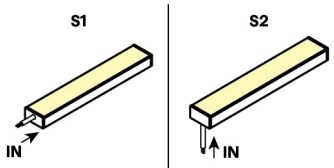
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

5W/ft Frosted Lens

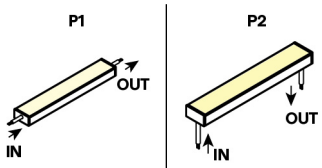


6 WIRE INPUT/OUTPUT

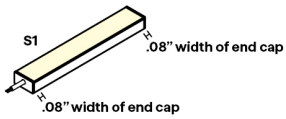
SINGLE (Input only)



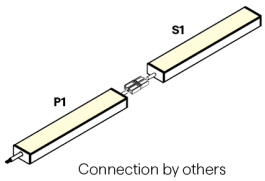
PASS THROUGH (Input/Output)



CONFIGURATION OPTIONS

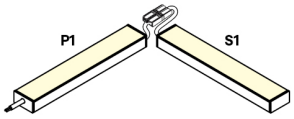


Single End Feed



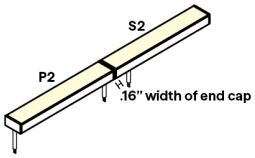
Connection by others

Non-Continuous End Feed



Connection by others

Non-Continuous Corner Feed



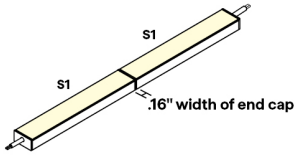
Continuous Bottom Feed

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Specification subject to change. Rev-10-23-26

OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

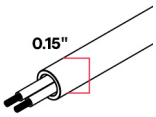


Single End Feed

7/8 CONNECTOR/WIRE – IN/OUT

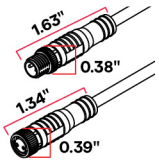
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

BW



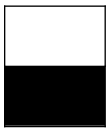
Bare Wire 36"
22 AWG

CON6/CON24



6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

9 WIRE COLOR

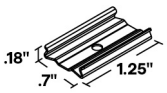


White

Black

11 MOUNTING

CC
(CC-01)



Concealed Clip

2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'

To order separately use CC-01 (sold in pairs)

Each clips comes with a #4 x 5/8" Flat Head screw.

MG

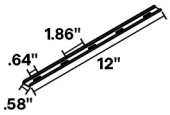


Magnet Clip

One MG provided per foot

To order separately use MG-02

MMA-02



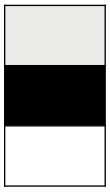
Magnet Mount
Accessory for MG-02

Sold separately, to order use MMA-02

Each bracket comes with 2 #6 x 5/8" Flat Head SS

Required when mounting to a non-magnetic surface

12 FINISH



Satin

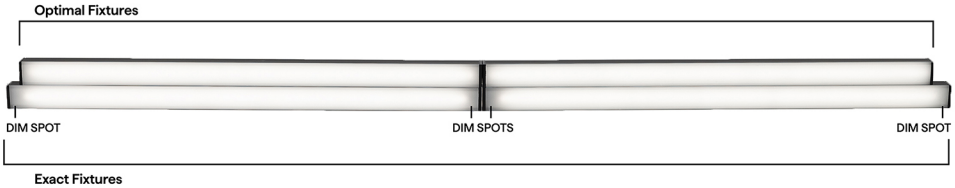
Black

White

Custom finishes have longer lead times. Non-RAL 9003 whites custom.

14 EXACT/OPTIMAL FIXTURE LENGTH

Exact fixtures are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



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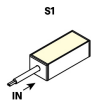
OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

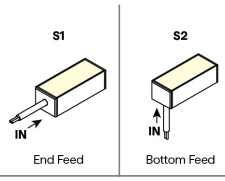
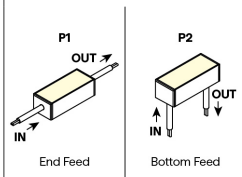
SW DRY DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture 
12"	0.5"
13"	0.5"
14"	0.5"
15"	0.5"
16"	0.5"
17"	0.5"
18"	0.5"
19"	0.5"
20"	0.5"
21"	0.5"
22"	0.5"
23"	0.5"
24"	0.5"
36"	0.5"
48"	0.5"
60"	0.5"
72"	0.5"
84"	0.5"
96"	0.5"

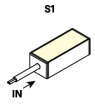
OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 	P1 & P2 
12"	11.41"	11.66"
13"	12.41"	12.66"
14"	13.41"	13.66"
15"	14.41"	14.66"
16"	15.41"	15.66"
17"	16.41"	16.66"
18"	17.41"	17.66"
19"	18.41"	18.66"
20"	19.41"	19.66"
21"	20.41"	20.66"
22"	21.41"	21.66"
23"	22.41"	22.66"
24"	23.41"	23.66"
36"	35.41"	35.66"
48"	47.41"	47.66"
60"	59.41"	59.66"
72"	71.41"	71.66"
84"	83.41"	83.66"
96"	95.41"	95.66"

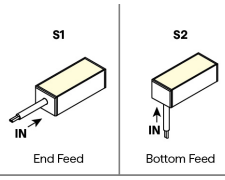
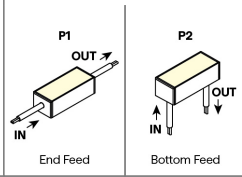
SW WET LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture 
12"	0.5"
13"	0.5"
14"	0.5"
15"	0.5"
16"	0.5"
17"	0.5"
18"	0.5"
19"	0.5"
20"	0.5"
21"	0.5"
22"	0.5"
23"	0.5"
24"	0.5"
36"	0.5"
48"	0.5"
60"	0.5"
72"	0.5"
84"	0.5"
96"	0.5"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 	P1 & P2 
12"	11.56"	11.71"
13"	12.56"	12.71"
14"	13.56"	13.71"
15"	14.56"	14.71"
16"	15.56"	15.71"
17"	16.56"	16.71"
18"	17.56"	17.71"
19"	18.56"	18.71"
20"	19.56"	19.71"
21"	20.56"	20.71"
22"	21.56"	21.71"
23"	22.56"	22.71"
24"	23.56"	23.71"
36"	35.56"	35.71"
48"	47.56"	47.71"
60"	59.56"	59.71"
72"	71.56"	71.71"
84"	83.56"	83.71"
96"	95.56"	95.71"

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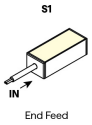
OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

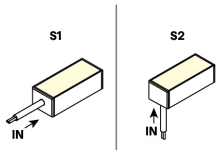
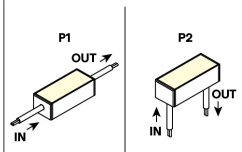
SW-HE DRY DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture 
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 	P1 & P2 
12"	10.41"	10.66"
13"	12.41"	12.66"
14"	12.41"	12.66"
15"	14.41"	14.66"
16"	14.41"	14.66"
17"	16.41"	16.66"
18"	16.41"	16.66"
19"	18.41"	18.66"
20"	18.41"	18.66"
21"	20.41"	20.66"
22"	20.41"	20.66"
23"	22.41"	22.66"
24"	22.41"	22.66"
36"	34.41"	34.66"
48"	46.41"	46.66"
60"	58.41"	58.66"
72"	70.41"	70.66"
84"	82.41"	82.66"
96"	94.41"	94.66"

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	QOM-DC+CAP QOM-PH	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT6-PS QZ-DMX QZ-PRO-PH/0-10V	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT6-PS QZ-DMX QZ-PRO-PH/0-10V
1%	Q-DIM QTM-eLED(E) QZ-DALI-DT6	Q-DIM QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED	

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OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PRO-PH/0-10V	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PRO-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PRO-PH/0-10V	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PRO-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN		
ECO System	QTM-eLED(E)	QTM-eLED(E)		
DMX	QZ-DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle		

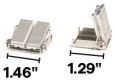
COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M



Adjustable mounting bracket - Medium

HINGE - HMB-L



Adjustable mounting bracket - Large

HINGE - HMB-XL



Adjustable mounting bracket - XLarge

Q-PIVOT



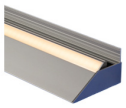
Small mounting accessory

Q-ANGLE



Adjustable mounting accessory

QUOVA-STANDARD



QUOVA Knife Edge

NJ-LARGE



J Mounting Bracket

NU-LARGE



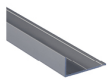
U Mounting Bracket

SD-J-LARGE



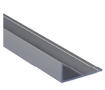
J Mounting Bracket

BL-LARGE



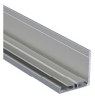
Backwards L Mounting Bracket

BL-LARGE



Backwards L Mounting Bracket

NL-LARGE



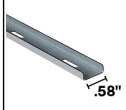
L Mounting Bracket

SD-L-LARGE



L Mounting Bracket

MMA-02



Magnet Mount Accessory of MG-02

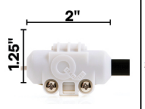
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OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

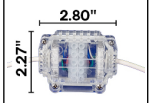
COMPATIBLE WIRING ACCESSORIES

Q-mini-J



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

Q-mini-J5



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

CON120-EXT



10ft Con cable extender
DRY/DMP/WET

CON FOUR-FER



Splits lead from one to four LED Con connectors
DRY/DMP/WET

CON M - BARREL F



Male con to barrel cable adaptor
DRY/DMP

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage

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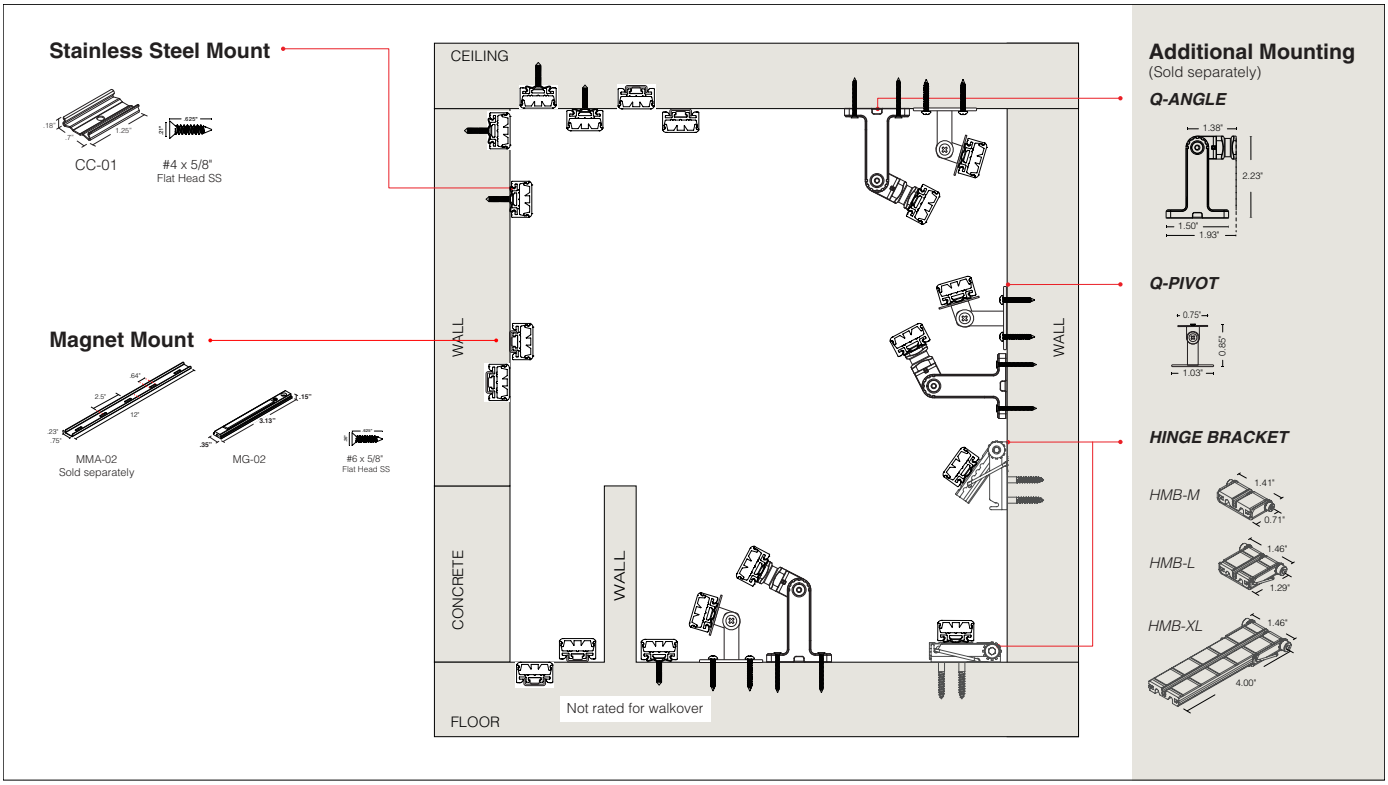
OPTI

Linear Fixture Installation Instructions

ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Use only with Class 2 power supply unit — Warranty only valid with QTL power supplies
- Surface mount or recessed in millwork
- Suitable for installation in storage area of a clothes closet when assembled as a finished fixture up to 4W/ft at QTL facility
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

METHODS OF INSTALLATION:



Surface Mounting Method

- Screw Mount (page 4)
- Magnet Mount (page 5)

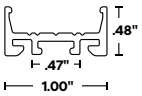
Recessed Mounting Method

- Screw Mount : Millwork (page 6)
- Magnet Mount : Millwork (page 7)

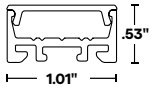
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OPTI

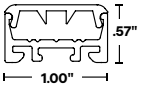
Linear Fixture Installation Instructions



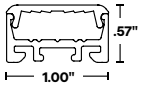
OPTI Profile



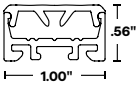
FLAT Lens



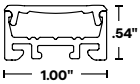
40D Lens



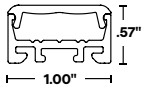
60D Lens



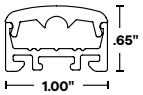
70D Lens



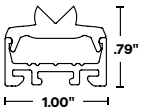
90D Lens



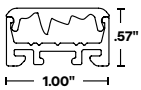
110D Lens



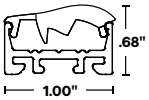
155D Lens



180D Lens



Asymetric Lens

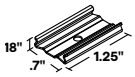


Foward throw Lens

COMPONENTS & HARDWARE

Alternate screw lengths can be used in installation as long as the screw diameter size is consistent with the included screw diameter size

CONCEALED CLIP



CC-01

Included	
	Flat Head Screw #4x5/8"

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'

MAGNET CLIP



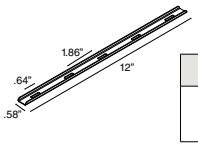
MG-02

Included	
	Flat Head Screw #6x5/8"

- One magnet clip per foot

ACCESSORIES SOLD SEPARATELY

MAGNET MOUNT ACCESSORY; sold individually



MMA-02

Included
Flat Head Screw #6x5/8"

- MMA-02 comes in 12" pieces; use at least one clip per MMA-02 accessory
- MMA-02 can be cut into smaller pieces, if desired

HINGE BRACKET; sold individually

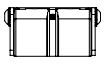
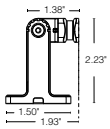


Image shows HMB-M

HMB-M
HMB-L
HMB-XL

Included
• 3/4" long mount screw • 1/4" #4 clip mount screw

Q-ANGLE; sold in pairs



Q-ANGLE

Included
• 3/4" long mount screw • 1/4" #4 clip mount screw

Q-PIVOT; sold in pairs



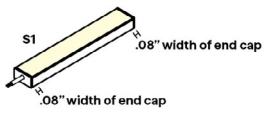
Q-PIVOT

Included
• SS #4-40x3/16 Flat head screw • 2 #4x3/4 Pan head screws

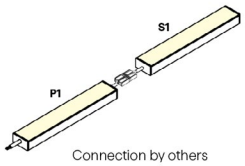
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CONFIGURATION OPTIONS

OPTI FLAT

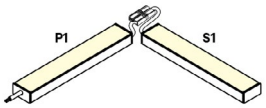


Single End Feed



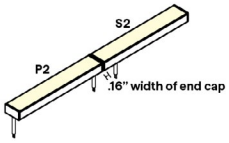
Connection by others

Non-Continuous End Feed

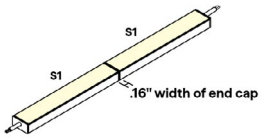


Connection by others

Non-Continuous Corner Feed

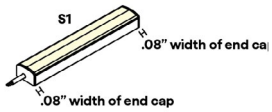


Continuous Bottom Feed

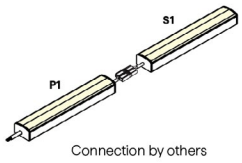


Single End Feed

OPTI OPTICS

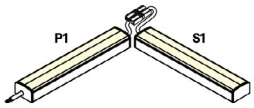


Single End Feed



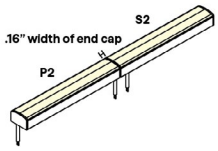
Connection by others

Non-Continuous End Feed

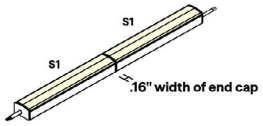


Connection by others

Non-Continuous Corner Feed



Continuous Bottom Feed



Single End Feed

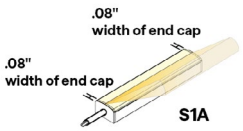
Review wire method to ensure clean installation prior to mounting extrusion.

NOTE: Additional wire methods include:
S1, S2, : Connector/Wire Input only
P1, P2 : Connector/Wire Input and Output

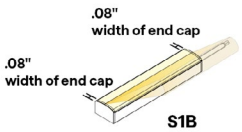
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CONFIGURATION OPTIONS CONTINUED

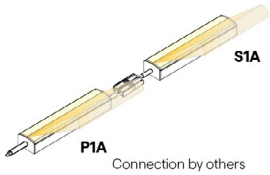
OPTI ASYMMETRIC/ FORWARD THROW



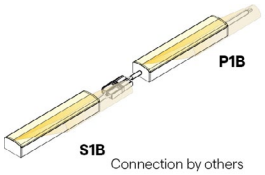
Single End Feed



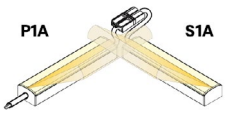
Single End Feed



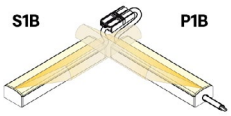
Connection by others
Non-Continuous End Feed



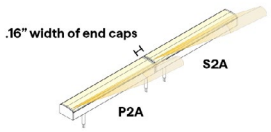
Connection by others
Non-Continuous End Feed



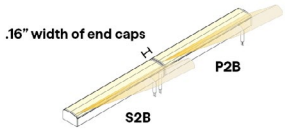
Connection by others
Non-Continuous Corner Feed



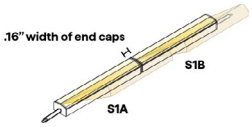
Connection by others
Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous Bottom Feed



Single End Feed

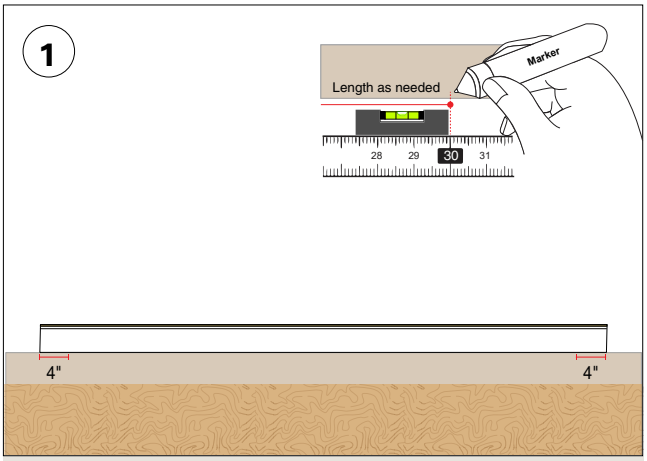
Review wire method to ensure clean installation prior to mounting extrusion.

NOTE: Additional wire methods include:
S1A, S1B, S2A, S2B : Connector/Wire Input only
P1A, P1B P2A, P2B : Connector/Wire Input and Output

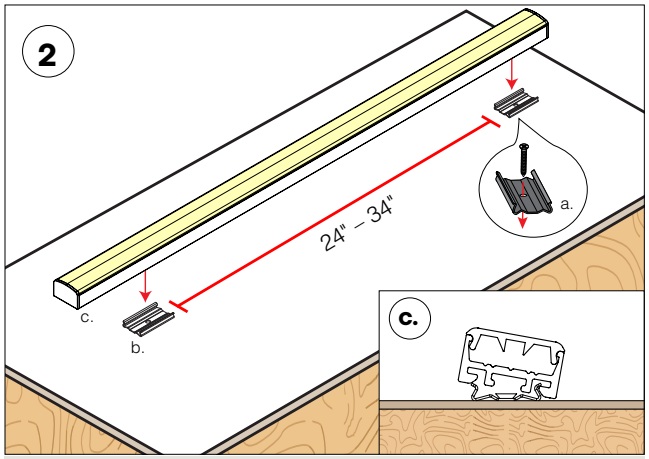
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SURFACE MOUNTING METHOD: **SCREW MOUNT**

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'



Determine the OPTI fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

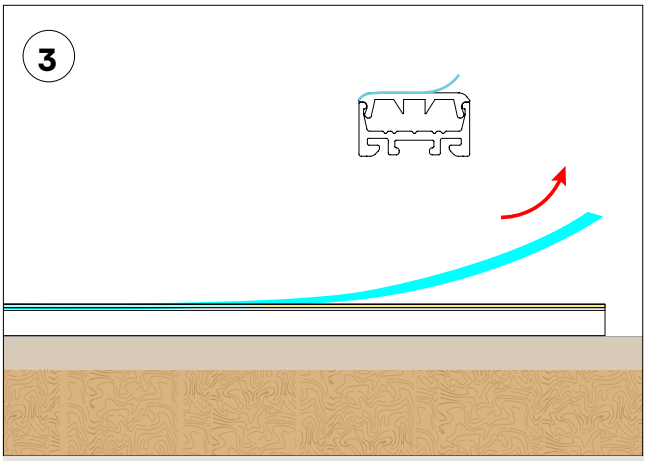


a. Secure clips using the #4 flat head hardware provided. The first and last clip should be placed 4" inward from each end of the fixture.

b. Ensure the screw head is flush with the clip's base.

c. Snap fixture onto clips. Make a secure connection with the clip by tilting and snapping on

NOTE: Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.

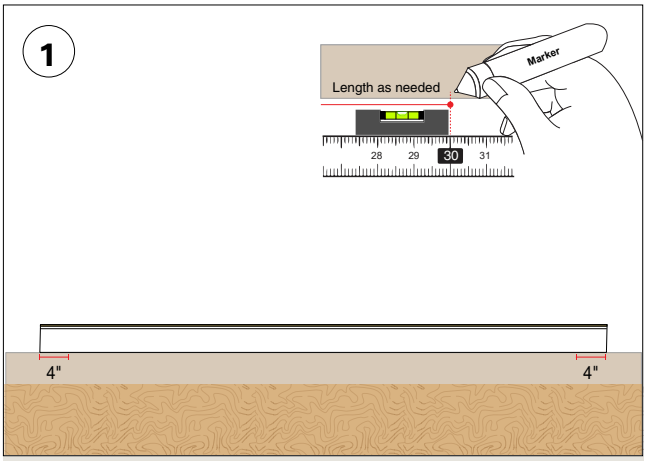


Remove protective film from the surface of the fixture's lens.

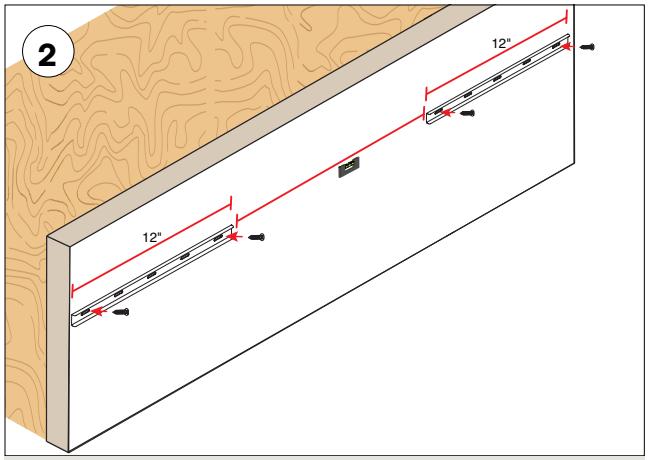
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SURFACE MOUNTING METHOD: **MAGNET MOUNT**

- One magnet clip per foot
- MMA-02 comes in 12" pieces; use at least one clip per MMA-02 accessory
- MMA-02 can be cut into smaller pieces, if desired

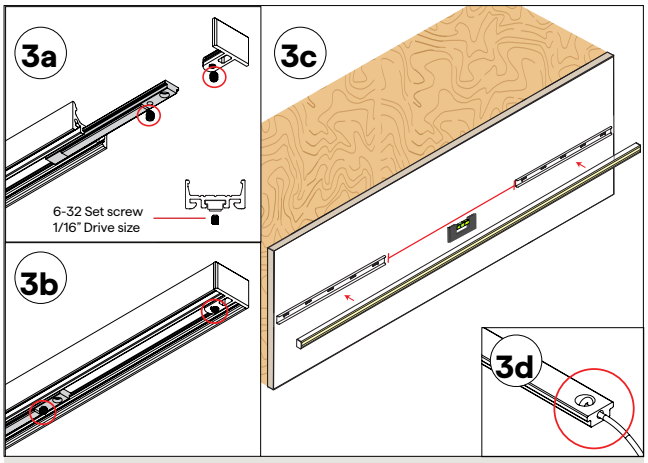


Determine the OPTI fixture(s) location and positioning on desired surface. Make any necessary reference markings to indicate where the magnet mount accessory bracket is to be secured in place.



Mount the two #6 flat head screws into the 12" magnet mount accessory brackets through the slotted holes at each end. Ensure the screw head is flush with the magnet mount bracket.

NOTE: If surface application requires a longer screw, the screw size must be a #6 Flat Head.



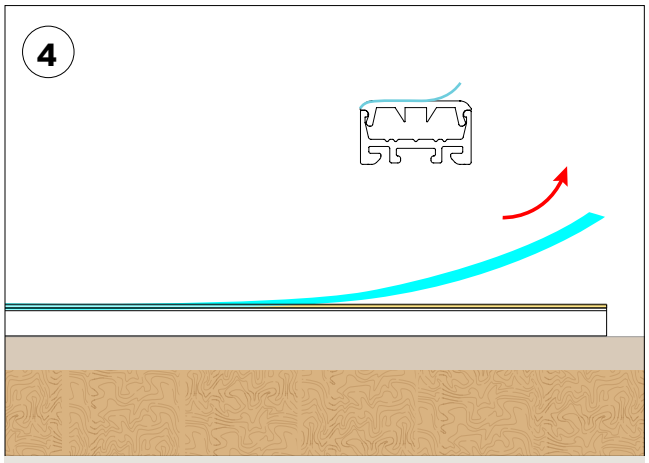
a. Unscrew the Non-Feed OPTI endcap using an allen key, and slide in the magnet clips.

b. Using the supplied set screw fasten the Non-Feed endcap that was removed, and secure the magnet clips into your desired location.

c. Place the assembled fixture into the magnet mount bracket.

d. For installations requiring seismic precautions, monofiliment may be used with magnet clips as pictured.

NOTE: The magnet clips should be offset to the flat heads used to secure the bracket, to maximize magnetic connection.

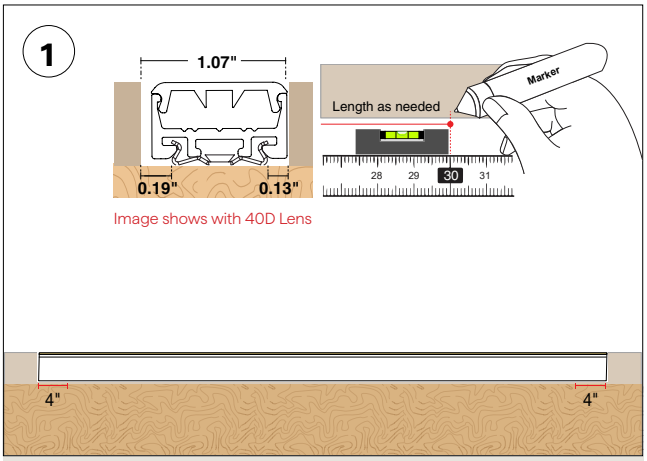


Remove protective film from the surface of the fixture's lens.

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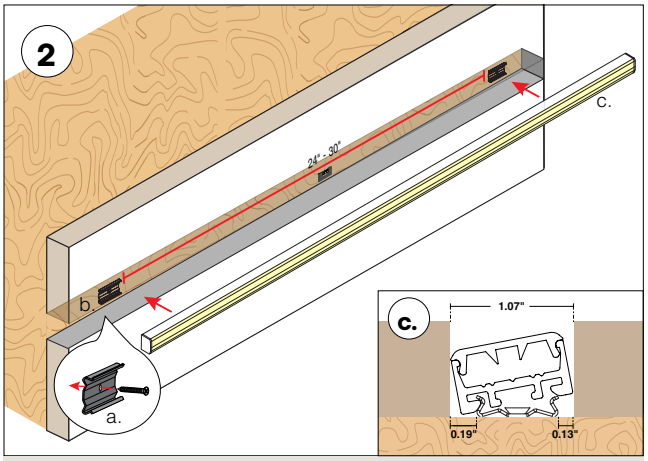
RECESSED MOUNTING METHOD: **MILLWORK SCREW MOUNT**

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'



Determine the OPTI fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

NOTE: OPTI requires cut out to be at least 1.07" wide. The clip must be placed with 0.19" of space on the wider side. Depth of the channel in the millwork is dependent on overall height with the clip.

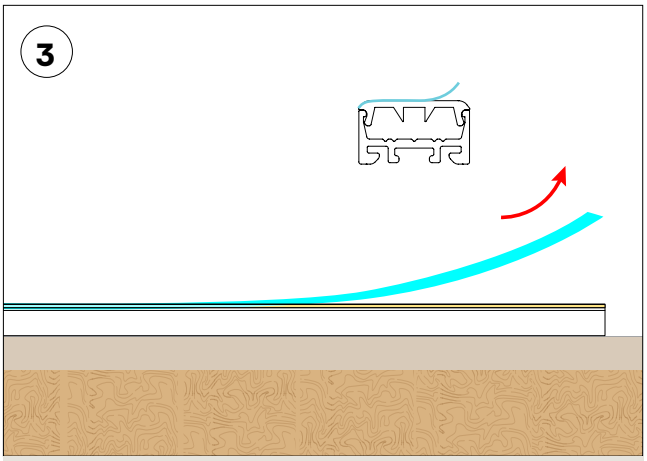


a. Secure clips using the #4 flat head hardware provided. The first and last clip should be placed 4" inward from each end of the fixture.

b. Ensure the screw head is flush with the clip's base.

c. Snap fixture onto clips. Make a secure connection with the concealed clip by tilting and snapping on

NOTE: Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.

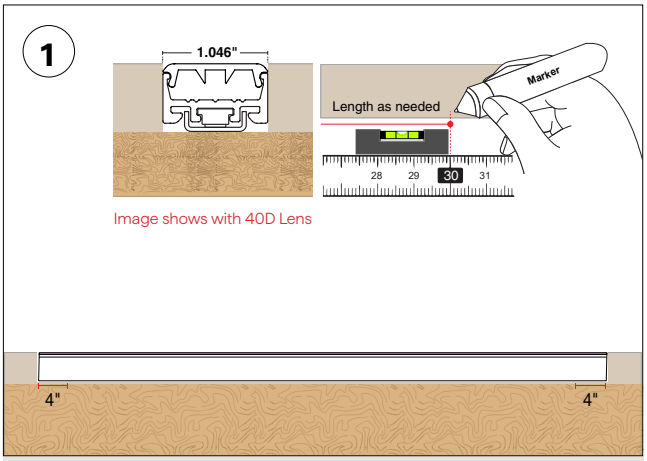


Remove protective film from the surface of the fixture's lens.

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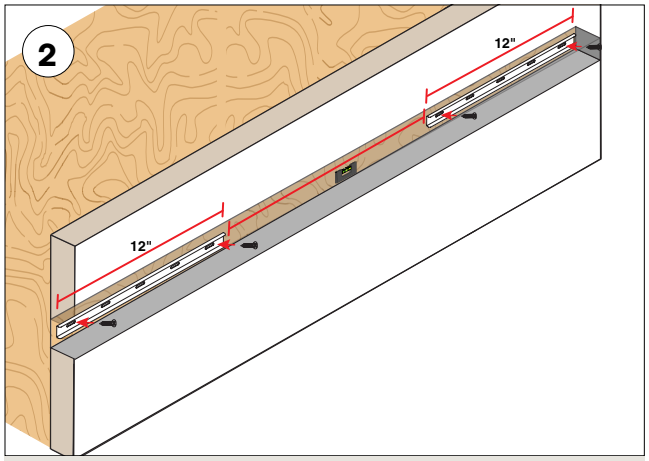
RECESSED MOUNTING METHOD: **MILLWORK MAGNET MOUNT**

- One magnet clip per foot
- MMA-02 comes in 12" pieces; use at least one clip per MMA-02 accessory
- MMA-02 can be cut into smaller pieces, if desired



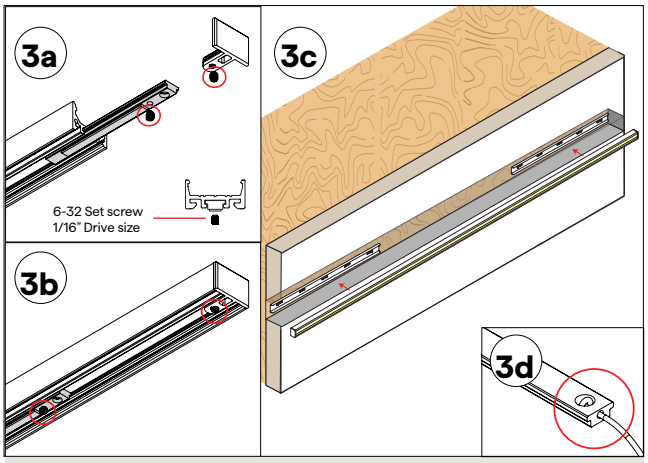
Determine the OPTI fixture(s) location and positioning on desired surface. Make any necessary reference markings to indicate where the magnet mount accessory bracket is to be secured in place.

NOTE: Depth of the channel in the millwork is dependent on overall height with the magnet clip and Magnet Mount Accessory.



Mount the two #6 flat head screws into the 12" magnet mount accessory brackets through the slotted holes at each end. Ensure the screw head is flush with the magnet mount bracket.

NOTE: If surface application requires a longer screw, the screw size must be a #6 Flat Head.



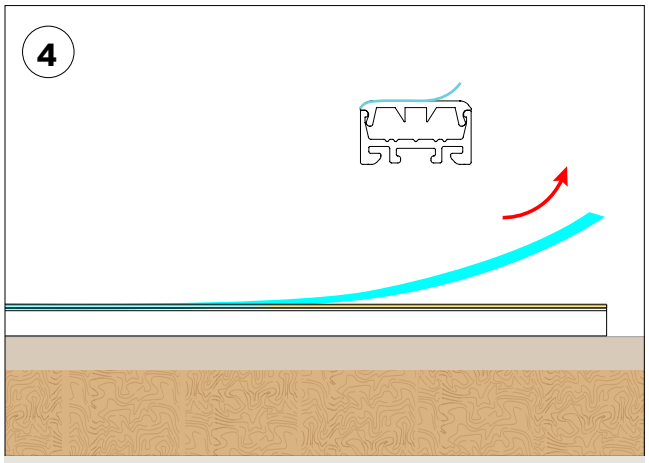
a. Unscrew the Non-Feed OPTI endcap using an allen key, and slide in the magnet clips.

b. Using the supplied set screw fasten the Non-Feed endcap that was removed, and secure the magnet clips into your desired location.

c. Place the assembled fixture into the magnet mount bracket.

d. For installations requiring seismic precautions, monofiliment may be used with magnet clips as pictured.

NOTE: The magnet clips should be offset to the flat heads used to secure the bracket, to maximize magnetic connection.



Remove protective film from the surface of the fixture's lens.

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OPTI-FLAT-SW (01)

Linear Fixtures Color Data

OP1SW-1.5-30-DRY-FR-ST

3126 K

CRI: 97.5

CRI R9: 97.7

TM30 Rf: 93.6

TM30 Rg: 100.6

CQS: 95.4

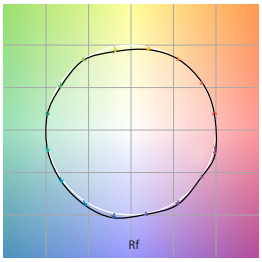
X: 0.427

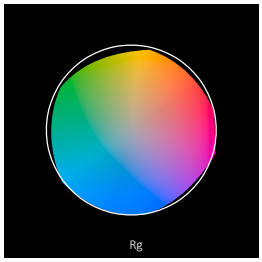
Y: 0.397

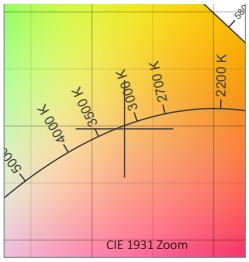
U: 0.247

V: 0.345

Δuv: -0.0012







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.7	98.3	97.5	97.8	97.2	96.2	98.2	98.0	97.7	98.4	95.6	82.2	96.8	97.5	96.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.3	96.7	92.8	93.0	95.1	97.4	96.8	98.0	97.5	98.3	98.2	97.4	97.6	96.1	94.8
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.5	97.2	96.2	93.6	93.0	97.0	91.8	96.8	92.4	90.1	90.9	91.9	95.1	93.2	91.8	90.3

TM30

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

OP1SW-1.5-30-DRY-PR-ST

3117 K

CRI: 97.4

CRI R9: 97.2

TM30 Rf: 93.7

TM30 Rg: 100.7

CQS: 95.5

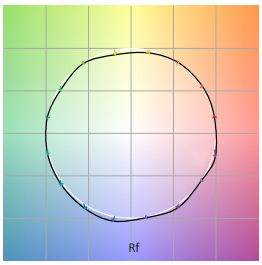
X: 0.427

Y: 0.397

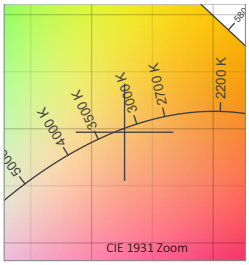
U: 0.247

V: 0.345

Δuv: -0.0014







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.5	98.1	97.6	97.6	97.0	96.0	98.2	97.9	97.2	97.9	95.3	82.5	96.5	97.6	96.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.4	96.8	92.8	93.1	95.2	97.6	96.7	97.9	97.5	98.3	98.2	97.5	97.7	95.9	94.8
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.5	97.1	96.2	93.7	93.1	97.0	91.9	96.9	92.6	90.3	91.1	92.0	95.1	93.3	91.9	90.5

TM30

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

OP1SW-1.5-30-DRY-DF-ST

3109 K

CRI: 97.2

CRI R9: 96.1

TM30 Rf: 93.8

TM30 Rg: 100.8

CQS: 95.5

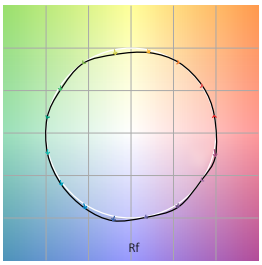
X: 0.428

Y: 0.397

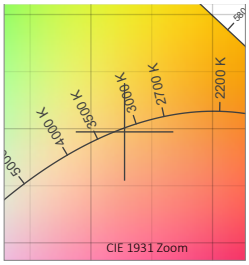
U: 0.248

V: 0.345

Δuv: -0.0015







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.1	97.9	97.6	97.3	96.7	95.8	98.3	97.6	96.1	97.5	94.9	82.8	96.2	97.6	96.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.3	96.8	93.1	93.4	95.5	97.6	96.8	98.1	97.5	98.4	98.0	97.2	97.5	95.9	94.7
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.6	97.0	96.0	93.6	93.2	97.0	91.8	96.8	92.6	90.5	91.3	92.0	95.2	93.5	92.0	90.6

TM30

Hue Bin	R_f	Chroma	Hue
1	96	0%	1%
2	97	1%	-1%
3	96	0%	-1%
4	94	-3%	-3%
5	93	-6%	0%
6	97	0%	1%
7	92	-3%	4%
8	97	0%	2%
9	93	1%	5%
10	91	2%	5%
11	91	4%	5%
12	92	5%	-1%
13	95	1%	-3%
14	93	3%	-3%
15	92	0%	-1%
16	91	3%	-7%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW (01)

Linear Fixtures Color Data

OP1SW-3.0-30-DRY-FR-ST

3092 K

CRI: 97.8

CRI R9: 98.6

TM30 Rf: 93.8

TM30 Rg: 100.5

CQS: 95.5

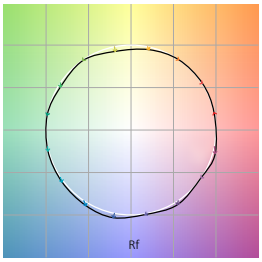
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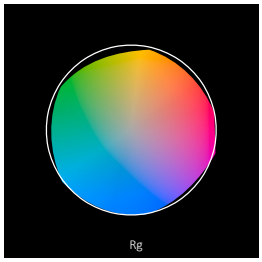
Y: 0.400

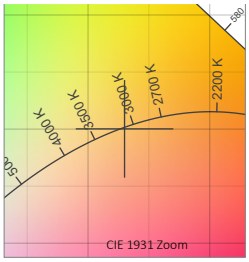
U: 0.248

V: 0.346

Δuv: -0.0006







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.2	98.9	96.9	97.9	97.7	96.9	98.5	98.3	98.6	99.7	95.8	82.7	97.4	97.2	97.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.5	96.8	92.8	93.1	95.3	97.6	96.8	98.1	97.3	98.1	98.1	97.1	97.3	96.4	95.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.7	97.4	96.4	93.9	93.1	97.1	92.2	96.9	92.8	90.4	91.1	92.1	95.3	93.3	92.0	90.3

TM30

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

OP1SW-3.0-30-DRY-PR-ST

3088 K

CRI: 97.6

CRI R9: 98.0

TM30 Rf: 93.9

TM30 Rg: 100.7

CQS: 95.5

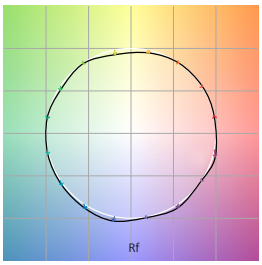
X: 0.430

Y: 0.400

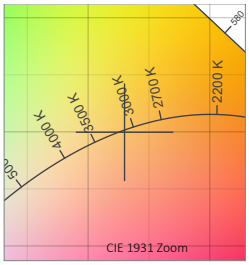
U: 0.248

V: 0.346

Δuv: -0.0008







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.9	98.6	97.0	97.7	97.5	96.7	98.5	98.1	98.0	99.1	95.4	83.1	97.0	97.2	97.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.6	96.8	92.9	93.3	95.5	97.7	96.8	98.1	97.3	98.2	98.0	97.1	97.3	96.3	95.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.8	97.3	96.3	94.0	93.2	97.1	92.2	97.0	92.9	90.6	91.3	92.2	95.3	93.4	92.1	90.5

TM30

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

OP1SW-3.0-30-DRY-DF-ST

3079 K

CRI: 97.4

CRI R9: 96.9

TM30 Rf: 93.9

TM30 Rg: 100.7

CQS: 95.6

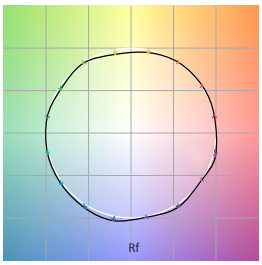
X: 0.431

Y: 0.400

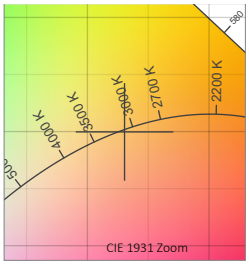
U: 0.248

V: 0.346

Δuv: -0.0009







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.5	98.4	97.0	97.3	97.1	96.5	98.6	97.8	96.9	98.7	95.0	83.3	96.7	97.2	96.7
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.5	96.8	93.2	93.6	95.7	97.8	96.9	98.3	97.3	98.3	97.8	96.8	97.0	96.2	94.9
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.8	97.1	96.1	93.8	93.3	97.0	92.1	96.9	92.9	90.8	91.5	92.2	95.4	93.5	92.1	90.6

TM30

Hue Bin	R_f	Chroma	Hue
1	96	0%	1%
2	97	1%	-1%
3	96	0%	-1%
4	94	-3%	-2%
5	93	-6%	0%
6	97	0%	2%
7	92	-3%	4%
8	97	0%	2%
9	93	1%	5%
10	91	2%	5%
11	91	4%	5%
12	92	5%	-1%
13	95	1%	-3%
14	94	3%	-3%
15	92	0%	-1%
16	91	3%	-7%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW (01)

Linear Fixtures Color Data

OP1SW-4.0-30-DRY-FR-ST

3083 K

CRI: 98.1

CRI R9: 94.7

TM30 Rf: 96.0

TM30 Rg: 102.0

CQS: 96.4

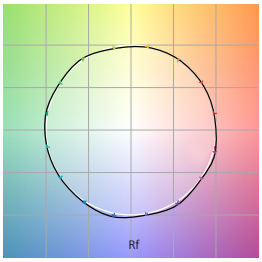
X: 0.432

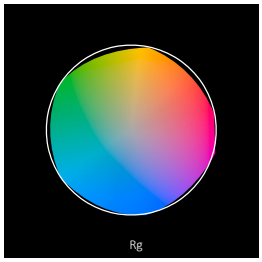
Y: 0.403

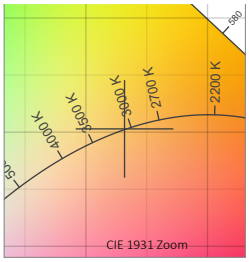
U: 0.248

V: 0.347

Δuv: 0.0003







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.4	99.8	97.1	96.2	98.5	97.8	98.9	98.4	94.7	99.4	92.7	89.8	98.8	97.7	99.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
95.9	97.4	94.4	97.5	95.9	93.9	96.4	98.2	98.1	98.3	97.0	96.8	97.4	97.1	96.7
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
97.3	98.2	96.9	98.2	95.8	96.6	95.8	96.5	97.0	97.5	94.7	93.0	95.7	93.3	94.2	90.7

TM30

Hue Bin	R_f	Chroma	Hue
1	97	0%	-1%
2	98	0%	0%
3	97	0%	0%
4	98	-1%	-1%
5	96	-2%	1%
6	97	2%	1%
7	96	0%	1%
8	97	2%	0%
9	97	1%	1%
10	98	0%	1%
11	95	2%	3%
12	93	4%	-1%
13	96	2%	-3%
14	93	4%	-4%
15	94	1%	-2%
16	91	2%	-7%

OP1SW-4.0-30-DRY-PR-ST

3079 K

CRI: 98.1

CRI R9: 95.6

TM30 Rf: 96.1

TM30 Rg: 102.1

CQS: 96.3

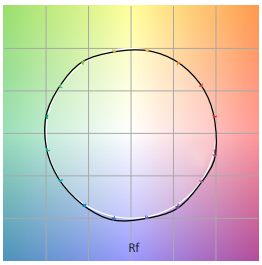
X: 0.432

Y: 0.403

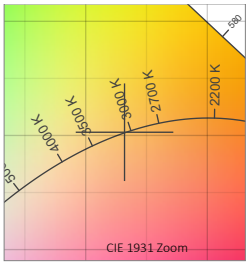
U: 0.248

V: 0.347

Δuv: 0.0002







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.2	99.9	97.1	95.9	98.3	97.8	98.9	98.8	95.6	99.5	92.4	90.2	98.6	97.6	99.4
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
96.1	97.4	94.6	97.7	95.7	93.7	96.4	98.1	98.1	98.4	96.9	96.7	97.3	97.3	96.9
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
97.3	98.1	96.8	98.2	95.9	96.5	95.8	96.4	96.9	97.6	94.8	93.1	95.8	93.5	94.3	90.9

TM30

Hue Bin	R_f	Chroma	Hue
1	97	0%	-1%
2	98	0%	-1%
3	97	0%	0%
4	98	-1%	-1%
5	96	-2%	1%
6	96	2%	1%
7	96	1%	1%
8	96	2%	0%
9	97	1%	1%
10	98	0%	1%
11	95	2%	3%
12	93	4%	-1%
13	96	2%	-3%
14	94	4%	-4%
15	94	1%	-2%
16	91	2%	-7%

OP1SW-4.0-30-DRY-DF-ST

3072 K

CRI: 98.1

CRI R9: 96.6

TM30 Rf: 96.1

TM30 Rg: 102.1

CQS: 96.4

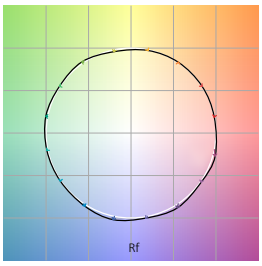
X: 0.432

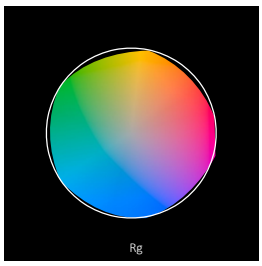
Y: 0.403

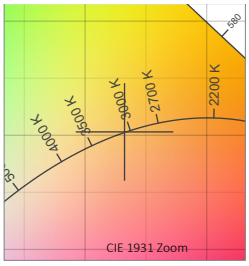
U: 0.248

V: 0.347

Δuv: 0.0002







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.9	99.8	97.1	95.7	98.0	97.7	99.1	99.2	96.6	99.8	92.1	90.3	98.3	97.6	99.4
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
96.2	97.4	94.8	97.9	95.6	93.8	96.5	98.0	98.0	98.3	96.7	96.5	97.1	97.4	97.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
97.3	98.0	96.7	98.0	95.9	96.5	95.7	96.3	96.9	97.5	95.0	93.2	95.9	93.6	94.3	91.0

TM30

Hue Bin	R_f	Chroma	Hue
1	97	0%	-1%
2	98	0%	-1%
3	97	0%	0%
4	98	-1%	-1%
5	96	-2%	1%
6	97	2%	1%
7	96	1%	1%
8	96	2%	0%
9	97	1%	1%
10	98	1%	1%
11	95	2%	3%
12	93	4%	-1%
13	96	2%	-3%
14	94	4%	-4%
15	94	1%	-2%
16	91	2%	-7%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW (01)

Linear Fixtures Color Data

OP1SW-5.0-30-DRY-FR-ST

3066 K

CRI: 98.2

CRI R9: 93.1

TM30 Rf: 96.0

TM30 Rg: 101.7

CQS: 96.4

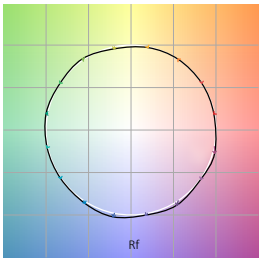
X: 0.433

Y: 0.402

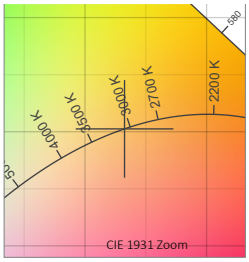
U: 0.248

V: 0.347

Δuv: -0.0001







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.6	99.8	97.7	96.8	98.7	97.5	98.5	97.5	93.1	99.7	93.4	89.6	98.8	98.0	98.9
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
95.4	97.2	94.4	97.1	96.6	94.6	96.4	98.3	98.3	98.3	97.4	97.3	97.9	96.6	96.2
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
97.2	98.3	96.9	98.0	95.7	96.9	95.6	96.8	97.1	97.3	94.6	92.8	95.4	93.1	93.9	90.7

TM30			
Hue Bin	R_f	Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	98	-1%	-1%
5	96	-2%	1%
6	97	1%	1%
7	96	0%	1%
8	97	2%	0%
9	97	1%	1%
10	97	1%	1%
11	95	2%	3%
12	93	4%	-1%
13	95	2%	-3%
14	93	3%	-4%
15	94	0%	-3%
16	91	2%	-7%

OP1SW-5.0-30-DRY-PR-ST

3064 K

CRI: 98.1

CRI R9: 93.9

TM30 Rf: 96.0

TM30 Rg: 101.9

CQS: 96.4

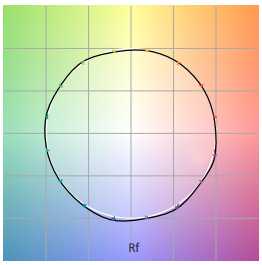
X: 0.432

Y: 0.402

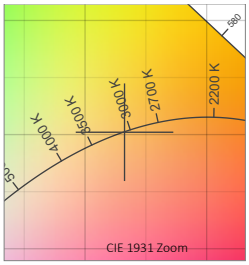
U: 0.249

V: 0.347

Δuv: -0.0002







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.4	99.7	97.7	96.6	98.5	97.4	98.6	97.8	93.9	99.7	93.1	89.8	98.6	98.0	99.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
95.6	97.2	94.4	97.1	96.4	94.4	96.2	98.3	98.2	98.3	97.4	97.3	97.9	96.8	96.3
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
97.3	98.3	96.9	98.1	95.8	96.8	95.6	96.7	97.0	97.4	94.6	92.9	95.5	93.2	94.0	90.8

TM30			
Hue Bin	R_f	Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	98	-1%	-1%
5	96	-2%	1%
6	97	2%	1%
7	96	0%	1%
8	97	2%	0%
9	97	1%	1%
10	97	1%	1%
11	95	2%	3%
12	93	4%	-1%
13	95	2%	-3%
14	93	4%	-4%
15	94	1%	-2%
16	91	2%	-7%

OP1SW-5.0-30-DRY-DF-ST

3057 K

CRI: 98.0

CRI R9: 94.9

TM30 Rf: 96.0

TM30 Rg: 101.8

CQS: 96.4

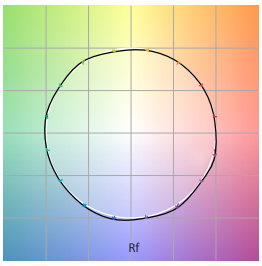
X: 0.433

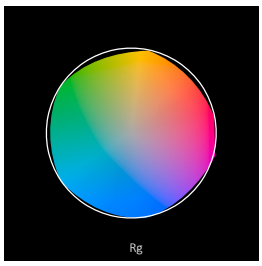
Y: 0.402

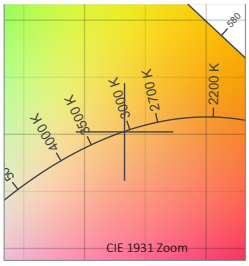
U: 0.249

V: 0.347

Δuv: -0.0002







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.1	99.6	97.7	96.4	98.2	97.3	98.8	98.3	94.9	99.5	92.8	90.0	98.3	98.0	99.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
95.7	97.2	94.6	97.3	96.3	94.4	96.4	98.4	98.2	98.3	97.2	97.0	97.7	96.9	96.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
97.4	98.2	96.8	97.9	95.8	96.8	95.5	96.6	97.0	97.4	94.7	93.4	95.5	93.3	94.0	90.9

TM30			
Hue Bin	R_f	Chroma	Hue
1	97	0%	0%
2	98	0%	0%
3	97	0%	0%
4	98	-1%	-1%
5	96	-2%	1%
6	97	2%	1%
7	96	0%	1%
8	97	2%	0%
9	97	1%	1%
10	97	1%	1%
11	95	2%	3%
12	93	4%	0%
13	95	2%	-3%
14	93	3%	-4%
15	94	1%	-2%
16	91	2%	-7%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW-HE (01)

Linear Fixtures Color Data

OP1SW-1.5HE-30-DRY-FR-ST

3113 K

CRI: 98.1

CRI R9: 97.5

TM30 Rf: 93.5

TM30 Rg: 100.3

CQS: 95.1

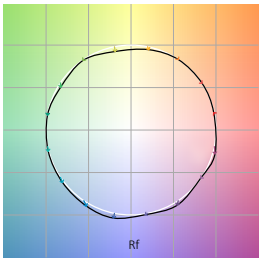
X: 0.428

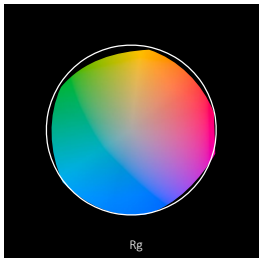
Y: 0.399

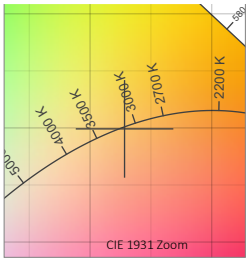
U: 0.247

V: 0.345

Δuv: -0.0007







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.9	99.2	97.0	99.0	98.2	97.0	98.1	98.1	97.5	99.5	96.9	80.9	98.1	97.3	97.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.3	96.7	91.8	91.8	94.4	97.3	96.2	97.4	97.3	97.7	98.2	98.0	98.1	96.3	95.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.4	97.4	96.6	93.7	92.7	97.0	92.1	97.0	92.3	89.2	90.1	91.7	95.1	92.7	91.6	89.8

TM30

Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	-1%
3	97	0%	0%
4	94	-3%	-2%
5	93	-6%	0%
6	97	0%	1%
7	92	-3%	4%
8	97	0%	2%
9	92	0%	5%
10	89	1%	6%
11	90	4%	6%
12	92	6%	0%
13	95	1%	-3%
14	93	4%	-4%
15	92	0%	-1%
16	90	2%	-8%

OP1SW-1.5HE-30-DRY-PR-ST

3111 K

CRI: 98.0

CRI R9: 98.4

TM30 Rf: 93.7

TM30 Rg: 100.5

CQS: 95.2

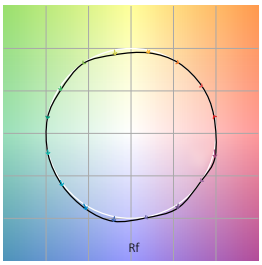
X: 0.428

Y: 0.399

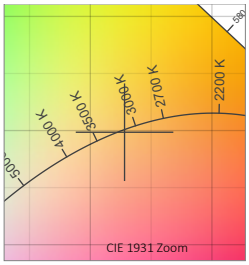
U: 0.247

V: 0.345

Δuv: -0.0010







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	99.0	97.0	98.6	98.0	96.8	98.3	98.3	98.4	99.8	96.4	81.4	97.7	97.3	97.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.5	96.8	91.9	92.1	94.7	97.5	96.1	97.5	97.3	97.7	98.3	97.9	98.0	96.2	95.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.6	97.5	96.6	93.9	92.9	97.0	92.3	97.2	92.6	89.6	90.4	91.9	95.2	93.0	91.8	90.0

TM30

Hue Bin	R_f	Chroma	Hue
1	96	0%	1%
2	97	0%	-1%
3	97	0%	0%
4	94	-3%	-2%
5	93	-5%	0%
6	97	0%	1%
7	92	-3%	4%
8	97	0%	2%
9	93	1%	5%
10	90	1%	6%
11	90	4%	6%
12	92	6%	0%
13	95	1%	-3%
14	93	4%	-4%
15	92	0%	-1%
16	90	2%	-8%

OP1SW-1.5HE-30-DRY-DF-ST

3107 K

CRI: 97.8

CRI R9: 98.3

TM30 Rf: 93.7

TM30 Rg: 100.7

CQS: 95.3

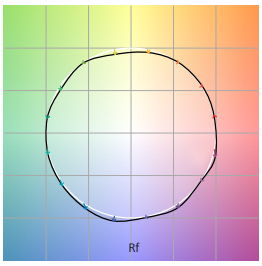
X: 0.428

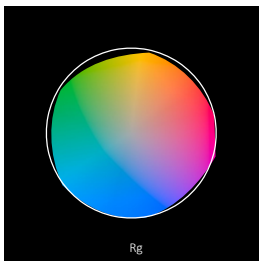
Y: 0.398

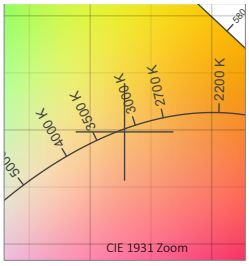
U: 0.247

V: 0.345

Δuv: -0.0011







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.1	98.8	97.0	98.2	97.7	96.7	98.5	98.2	98.3	99.5	95.9	81.6	97.3	97.2	97.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.5	96.9	92.1	92.4	94.9	97.7	96.1	97.6	97.2	97.8	98.5	97.7	97.8	96.2	95.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.6	97.4	96.4	93.9	93.0	97.0	92.2	97.2	92.7	89.8	90.5	92.0	95.4	93.2	91.9	90.2

TM30

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

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW-HE (01)

Linear Fixtures Color Data

OP1SW-3.0HE-30-DRY-FR-ST

3109 K

CRI: 97.9

CRI R9: 95.9

TM30 Rf: 93.0

TM30 Rg: 99.7

CQS: 94.9

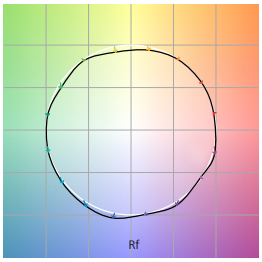
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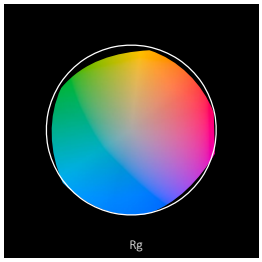
Y: 0.400

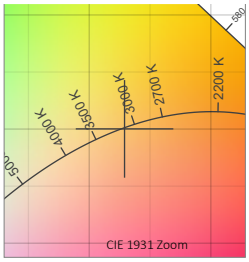
U: 0.247

V: 0.346

Δuv: -0.0004







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.0	99.1	97.6	98.8	98.0	96.9	97.4	97.3	95.9	99.8	97.4	80.5	98.1	97.5	97.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
91.3	96.3	92.3	91.8	93.7	96.1	97.0	97.7	97.6	98.1	98.5	97.8	98.0	96.1	94.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.8	97.2	96.5	92.9	92.3	96.8	90.6	96.1	91.3	88.3	90.0	91.5	94.5	92.5	91.0	89.8

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	-1%
3	96	0%	-1%
4	93	-4%	-3%
5	92	-7%	0%
6	97	-1%	1%
7	91	-4%	5%
8	96	0%	3%
9	91	0%	6%
10	88	2%	7%
11	90	4%	6%
12	92	6%	-1%
13	94	1%	-4%
14	92	3%	-4%
15	91	-1%	-1%
16	90	2%	-8%

OP1SW-3.0HE-30-DRY-PR-ST

3105 K

CRI: 97.8

CRI R9: 96.7

TM30 Rf: 93.1

TM30 Rg: 99.8

CQS: 95.0

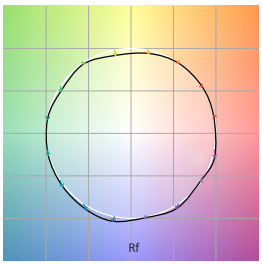
X: 0.429

Y: 0.400

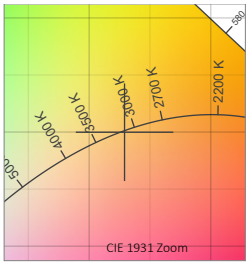
U: 0.247

V: 0.346

Δuv: -0.0006







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.8	98.9	97.6	98.7	97.9	96.7	97.5	97.6	96.7	99.8	97.1	80.9	97.9	97.6	97.7
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
91.4	96.4	92.4	92.0	93.9	96.3	96.9	97.7	97.6	98.1	98.4	97.7	98.0	96.1	94.6
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.9	97.2	96.4	92.9	92.4	96.8	90.7	96.2	91.5	88.6	90.2	91.6	94.6	92.6	91.1	89.9

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	-1%
3	96	0%	-1%
4	93	-4%	-3%
5	92	-6%	0%
6	97	-1%	1%
7	91	-4%	5%
8	96	0%	2%
9	91	1%	6%
10	89	2%	7%
11	90	4%	6%
12	92	6%	-1%
13	95	1%	-4%
14	93	3%	-4%
15	91	-1%	-1%
16	90	2%	-8%

OP1SW-3.0HE-30-DRY-DF-ST

3092 K

CRI: 97.7

CRI R9: 98.0

TM30 Rf: 93.1

TM30 Rg: 99.9

CQS: 95.1

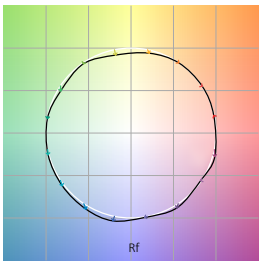
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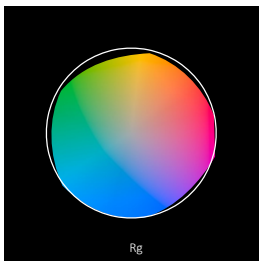
Y: 0.400

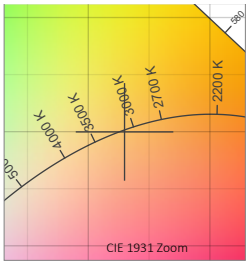
U: 0.248

V: 0.346

Δuv: -0.0007







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.4	98.6	97.6	98.4	97.6	96.5	97.6	97.8	98.0	99.2	96.5	81.3	97.4	97.6	97.4
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
91.4	96.4	92.7	92.4	94.2	96.4	97.0	97.8	97.5	98.3	98.2	97.5	97.7	96.0	94.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.0	97.1	96.3	92.9	92.4	96.8	90.7	96.2	91.5	88.9	90.4	91.6	94.6	92.8	91.2	90.1

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	1%
2	97	0%	-1%
3	96	0%	-1%
4	93	-4%	-3%
5	92	-6%	0%
6	97	-1%	1%
7	91	-4%	5%
8	96	0%	2%
9	92	1%	6%
10	89	2%	7%
11	90	4%	6%
12	92	6%	-1%
13	95	1%	-4%
14	93	3%	-4%
15	91	-1%	-1%
16	90	2%	-8%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW-HE (01)

Linear Fixtures Color Data

OP1SW-6.0HE-30-DRY-FR-ST

3068 K

CRI: 98.3

CRI R9: 93.1

TM30 Rf: 93.5

TM30 Rg: 100.0

CQS: 95.0

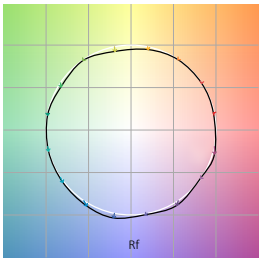
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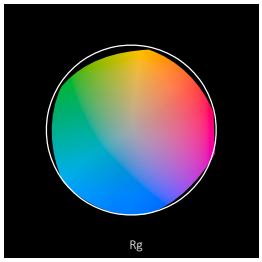
Y: 0.403

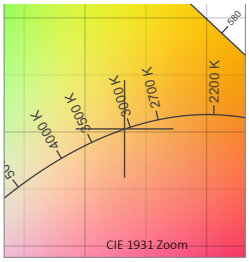
U: 0.248

V: 0.347

Δuv: 0.0001







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.0	99.8	96.7	99.6	98.5	97.5	98.0	97.0	93.1	97.6	97.7	81.2	99.2	97.1	98.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.4	96.6	91.8	91.7	94.3	96.9	96.2	97.4	97.3	97.4	98.0	98.0	98.1	96.3	95.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.3	97.5	96.7	94.0	92.9	97.1	92.5	97.0	92.5	89.2	90.1	91.8	94.9	92.5	91.6	89.7

TM30

Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	98	0%	0%
3	97	0%	0%
4	94	-3%	-2%
5	93	-6%	0%
6	97	-1%	1%
7	93	-3%	4%
8	97	0%	2%
9	93	0%	5%
10	89	1%	6%
11	90	3%	6%
12	92	5%	0%
13	95	1%	-3%
14	92	4%	-4%
15	92	0%	-2%
16	90	2%	-8%

OP1SW-6.0HE-30-DRY-PR-ST

3065 K

CRI: 98.3

CRI R9: 93.9

TM30 Rf: 93.6

TM30 Rg: 100.1

CQS: 95.1

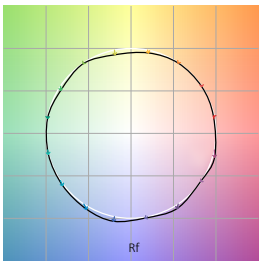
X: 0.433

Y: 0.403

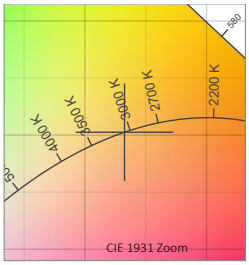
U: 0.248

V: 0.347

Δuv: -0.0001







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.8	99.9	96.7	99.4	98.5	97.5	98.1	97.3	93.9	97.9	97.5	81.4	99.0	97.1	98.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.4	96.6	91.9	91.9	94.4	97.1	96.2	97.4	97.3	97.5	98.1	97.9	98.0	96.4	95.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.4	97.6	96.7	94.0	92.9	97.1	92.5	97.0	92.6	89.4	90.2	91.8	95.0	92.5	91.6	89.7

TM30

Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	98	0%	0%
3	97	0%	0%
4	94	-3%	-2%
5	93	-6%	0%
6	97	-1%	1%
7	93	-3%	4%
8	97	0%	2%
9	93	0%	5%
10	89	1%	6%
11	90	3%	6%
12	92	5%	0%
13	95	1%	-3%
14	93	4%	-4%
15	92	0%	-2%
16	90	2%	-8%

OP1SW-6.0HE-30-DRY-DF-ST

3056 K

CRI: 98.2

CRI R9: 95.2

TM30 Rf: 93.6

TM30 Rg: 100.0

CQS: 95.2

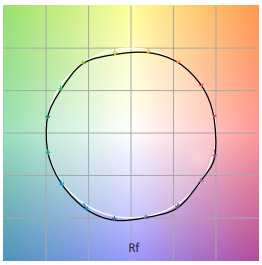
X: 0.433

Y: 0.402

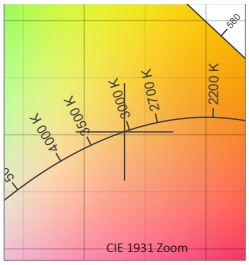
U: 0.249

V: 0.347

Δuv: -0.0002







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.5	99.7	96.8	99.1	98.5	97.4	98.2	97.7	95.2	98.5	97.1	81.8	98.7	97.2	98.2
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.4	96.6	92.2	92.2	94.6	97.2	96.4	97.6	97.3	97.6	98.3	97.7	97.8	96.4	95.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.5	97.6	96.7	93.9	92.9	97.1	92.3	96.9	92.6	89.6	89.9	92.3	95.0	92.7	91.7	89.9

TM30

Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	98	0%	0%
3	97	0%	0%
4	94	-3%	-2%
5	93	-6%	0%
6	97	-1%	1%
7	92	-3%	4%
8	97	0%	2%
9	93	0%	5%
10	90	1%	6%
11	90	4%	7%
12	92	4%	0%
13	95	1%	-3%
14	93	4%	-4%
15	92	0%	-1%
16	90	2%	-8%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-01-31-25

OPTI-FLAT-SW-HE (01)

Linear Fixtures Color Data

OP1SW-9.0HE-30-DRY-FR-ST

3075 K

CRI: 98.1

CRI R9: 91.1

TM30 Rf: 93.5

TM30 Rg: 100.0

CQS: 94.8

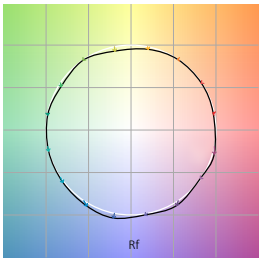
X: 0.431

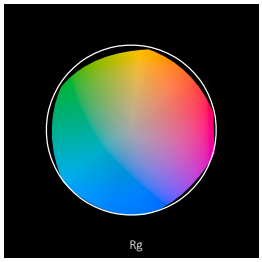
Y: 0.401

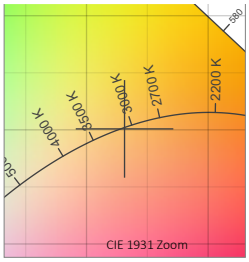
U: 0.248

V: 0.346

Δuv: -0.0005







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.1	99.8	97.2	99.6	98.4	97.3	97.5	96.1	91.1	97.8	98.0	81.5	99.4	97.4	98.0
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.5	96.5	91.5	91.2	94.0	96.7	95.7	96.7	97.4	97.1	97.5	98.1	98.1	95.8	94.8
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.1	97.3	96.5	94.2	93.0	97.2	92.8	97.3	92.6	89.1	90.0	91.7	94.6	92.1	91.5	89.5

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	96	0%	1%
4	94	-3%	-1%
5	93	-5%	0%
6	97	0%	1%
7	93	-3%	3%
8	97	0%	2%
9	93	0%	5%
10	89	1%	7%
11	90	3%	6%
12	92	6%	0%
13	95	1%	-4%
14	92	4%	-5%
15	92	0%	-2%
16	90	2%	-8%

OP1SW-9.0HE-30-DRY-PR-ST

3070 K

CRI: 98.1

CRI R9: 91.9

TM30 Rf: 93.6

TM30 Rg: 100.1

CQS: 94.9

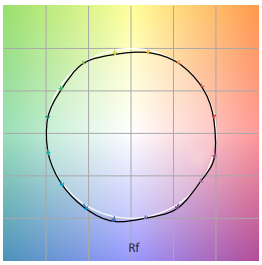
X: 0.431

Y: 0.401

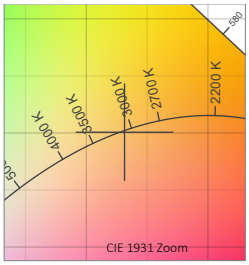
U: 0.249

V: 0.346

Δuv: -0.0006







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.9	99.7	97.2	99.7	98.5	97.2	97.5	96.4	91.9	98.1	97.8	81.8	99.1	97.4	98.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.6	96.6	91.6	91.4	94.1	96.9	95.7	96.8	97.4	97.1	97.5	98.2	98.2	95.9	94.9
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.2	97.3	96.6	94.2	93.1	97.2	92.8	97.3	92.6	89.2	90.1	91.7	94.7	92.2	91.6	89.6

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	97	0%	0%
4	94	-3%	-1%
5	93	-5%	0%
6	97	0%	1%
7	93	-3%	3%
8	97	0%	2%
9	93	0%	5%
10	89	1%	6%
11	90	3%	6%
12	92	6%	0%
13	95	1%	-3%
14	92	4%	-5%
15	92	0%	-2%
16	90	2%	-8%

OP1SW-9.0HE-30-DRY-DF-ST

3062 K

CRI: 98.1

CRI R9: 93.6

TM30 Rf: 93.7

TM30 Rg: 100.1

CQS: 95.1

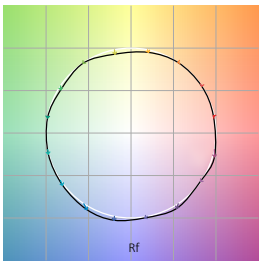
X: 0.432

Y: 0.401

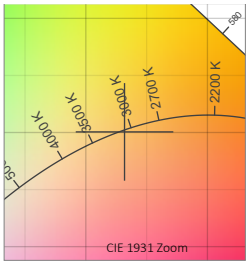
U: 0.249

V: 0.346

Δuv: -0.0007







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.6	99.5	97.3	99.5	98.5	97.1	97.7	97.0	93.6	98.8	97.4	82.2	98.7	97.4	98.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
92.6	96.6	91.9	91.8	94.4	97.2	95.8	97.0	97.4	97.3	97.8	98.4	98.4	96.0	95.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.3	97.5	96.7	94.2	93.1	97.2	92.8	97.3	92.7	89.5	89.9	92.2	94.8	92.5	91.7	89.8

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	97	0%	0%
4	94	-3%	-2%
5	93	-5%	0%
6	97	0%	1%
7	93	-3%	4%
8	97	0%	2%
9	93	0%	5%
10	90	1%	6%
11	90	4%	7%
12	92	5%	0%
13	95	1%	-3%
14	92	4%	-4%
15	92	0%	-2%
16	90	2%	-8%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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