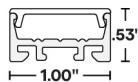




OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed



INFORMATION REQUIRED FOR LIGHTING SCHEDULE

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

- 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

ADDITIONAL INFORMATION REQUIRED TO ORDER

6 WIRE INPUT/OUTPUT	7 CONNECTOR/WIRE IN	8 CONNECTOR/WIRE OUT	9 WIRE COLOR	10 WIRE TYPE	11 MOUNTING	12 FINISH	13 LENGTH (IN)	14 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 20 2000K 22 2200K 24 2400K 27 2700K 30 3000K 35 3500K 40 4000K 24 2400K 27 2700K 30 3000K 35 3500K 40 4000K 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 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)		
	PASS THROUGH (Input/Output) P1 End Feed P2 Bottom Feed For continuous mounting, consider bottom 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)	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 Custom finishes require a longer lead time, consult factory	12 FINISH ST Satin BK Black WH White CU Custom Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".	13 LENGTH (IN) Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end.	14 EXACT/OPTIMAL O Optimal Illumination E Exact Specified Length

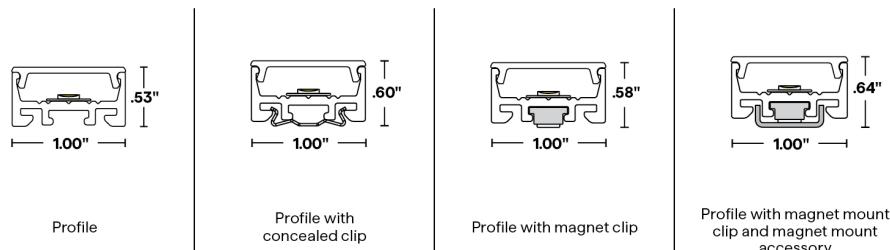
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs, L70 = 66000 for HE]

Tested with OP1SW-**-30-DRY-STD

	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

	DRY	Ambient Operating Temp - Surface	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
			-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

5 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

FR - Frosted lens



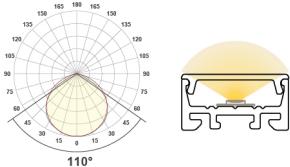
OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

PHOTOMETRIC PERFORMANCE

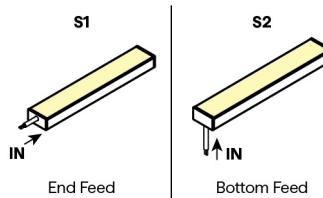
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

5W/ft Frosted Lens

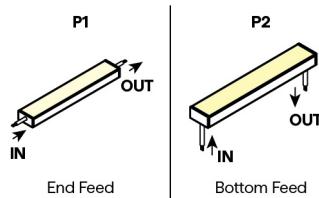


6 WIRE INPUT/OUTPUT

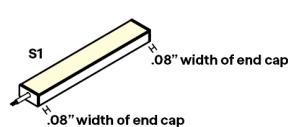
SINGLE (Input only)



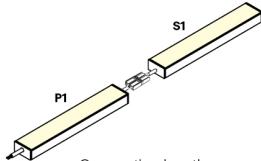
PASS THROUGH (Input/Output)



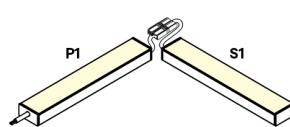
CONFIGURATION OPTIONS



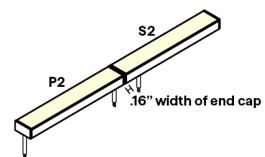
Single End Feed



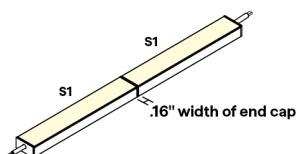
Non-Continuous End Feed



Non-Continuous Corner Feed



Continuous Bottom Feed



Single End Feed

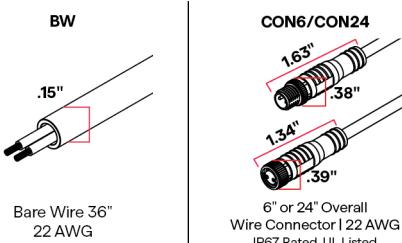


OPTI-FLAT (01) STATIC WHITE

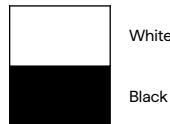
24VDC Linear Fixtures - Surface & Recessed

7 / 8 CONNECTOR/WIRE – IN/OUT

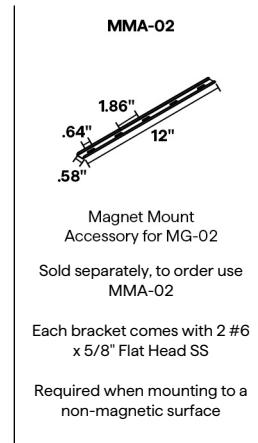
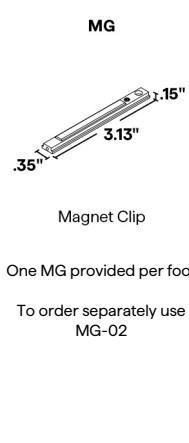
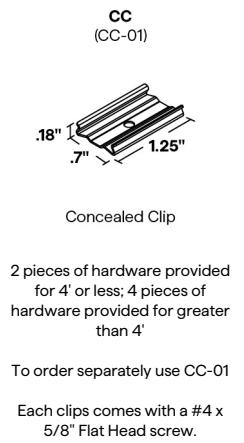
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



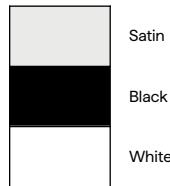
9 WIRE COLOR



11 MOUNTING



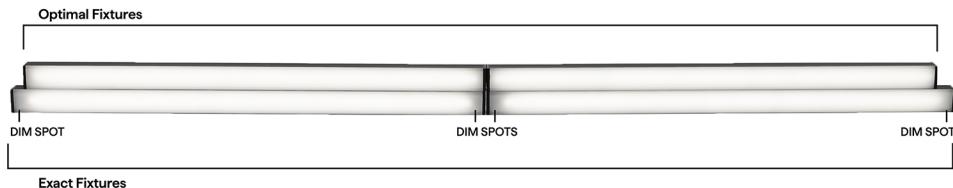
12 FINISH



Custom finishes require a longer lead time, consult factory

14 EXACT/OPTIMAL FIXTURE LENGTH

Exact fixtures are the exact length specified. 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.





OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

SW DRY 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 fixture
12"	.5"
13"	.5"
14"	.5"
15"	.5"
16"	.5"
17"	.5"
18"	.5"
19"	.5"
20"	.5"
21"	.5"
22"	.5"
23"	.5"
24"	.5"
36"	.5"
48"	.5"
60"	.5"
72"	.5"
84"	.5"
96"	.5"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
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-HE DRY 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 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: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
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"



OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	SW24/1.5-4.0
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1
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-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%	QTM-eLED(E) QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle



OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR
	SW24/1.5-4.0
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1
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-PH/0-10V QZ-STICK-PH/0-10V QZLP
Lutron Athena	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)
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
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M 1.41" 1.71" Adjustable mounting bracket - Medium	HINGE - HMB-L 1.46" 1.29" Adjustable mounting bracket - Large	HINGE - HMB-XL 4" 1.46" Adjustable mounting bracket - XLarge	Q-PIVOT .75" 1.03" Small mounting accessory	Q-ANGLE 1.38" 2.23" 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 .58" Magnet Mount Accessory of MG-02						



OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE WIRING ACCESSORIES



COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage