

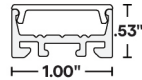
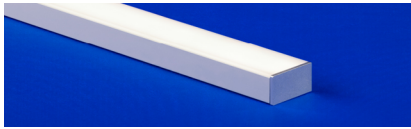


OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed



Declare.



- 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**

| | | | | | |
|---|---|---|---|--|--|
| <div>1</div> <div>PRODUCT</div> <div>OP1SW OP1SW-USA</div> <div>Select USA option for BAA and BABA projects. Only DRY or WET ratings apply.</div> <div>See following pages for compatible power supplies.</div> | <div>2</div> <div>WATTS/FT</div> <div><div><div>1.5 3.0 4.0 5.0</div><div>1.5W/ft 3.0W/ft 4.0W/ft 5.0W/ft</div></div><div><div>1.5HE 3.0HE 6.0HE 9.0HE</div><div>1.5W/ft HE 3.0W/ft HE 6.0W/ft HE 9.0W/ft HE</div></div></div> <div><div>1.5 3.0 4.0 5.0</div><div>1.5W/ft 3.0W/ft 4.0W/ft 5.0W/ft</div></div> <div><div>1.5HE 3.0HE 6.0HE</div><div>1.5W/ft HE 3.0W/ft HE 6.0W/ft HE</div></div> <div><div>1.5 3.0 4.0 5.0</div><div>1.5W/ft 3.0W/ft 4.0W/ft 5.0W/ft</div></div> <td><div>3</div><div>CCT</div><div><div><div>20 22 24 27 30 35 40</div><div>2000K 2200K 2400K 2700K 3000K 3500K 4000K</div></div><div><div>24 27 30 35 40</div><div>2400K 2700K 3000K 3500K 4000K</div></div><div><div>20 22 24 27 30 35 40</div><div>2000K 2200K 2400K 2700K 3000K 3500K 4000K</div></div></div></td> <td><div>4</div><div>RATED</div><div><div>DRY</div><div>IP20</div></div><div><div>DMP</div><div>IP54</div></div><div><div>WET</div><div>IP67</div><div>Can be suitable for exterior use. Contact factory for more information</div></div></td> | <div>3</div> <div>CCT</div> <div><div><div>20 22 24 27 30 35 40</div><div>2000K 2200K 2400K 2700K 3000K 3500K 4000K</div></div><div><div>24 27 30 35 40</div><div>2400K 2700K 3000K 3500K 4000K</div></div><div><div>20 22 24 27 30 35 40</div><div>2000K 2200K 2400K 2700K 3000K 3500K 4000K</div></div></div> | <div>4</div> <div>RATED</div> <div><div>DRY</div><div>IP20</div></div> <div><div>DMP</div><div>IP54</div></div> <div><div>WET</div><div>IP67</div><div>Can be suitable for exterior use. Contact factory for more information</div></div> | | |
| <div>5</div> <div>LENS</div> <div><div>DF</div><div>Diffused</div></div> <div><div>PR</div><div>Polar</div></div> <div><div>FR</div><div>Frosted</div></div> | <div>6</div> <div>WIRE INPUT/OUTPUT</div> <div><div>SINGLE (Input only)</div><div><div>S1</div><div>End Feed</div></div><div><div>S2</div><div>Bottom Feed</div></div><div>For continuous mounting, consider bottom feed.</div></div> <div><div>PASS THROUGH (Input/Output)</div><div><div>P1</div><div>End Feed</div></div><div><div>P2</div><div>Bottom Feed</div></div><div>For continuous mounting, consider bottom feed.</div></div> | <div>7</div> <div>CONNECTOR/WIRE IN</div> <div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div> <div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div> | <div>8</div> <div>CONNECTOR/WIRE OUT</div> <div><div><div>CLS</div><div>Closed End (No feed)</div></div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div></div> | | |
| <div>9</div> <div>WIRE COLOR</div> <div><div>WH</div><div>White</div></div> <div><div>BK</div><div>Black</div></div> | <div>10</div> <div>WIRE TYPE</div> <div><div><div>CL2</div><div>Class 2</div></div><div><div>CL2P</div><div>Plenum Rated</div></div><div>CL2P only available with bare wire leads (BW)</div></div> | <div>11</div> <div>MOUNTING</div> <div><div><div>CC</div><div>Concealed Clip</div></div><div><div>MG</div><div>Magnet</div></div></div> | <div>12</div> <div>FINISH</div> <div><div><div>ST</div><div>Satin</div></div><div><div>BK</div><div>Black</div></div><div><div>WH</div><div>White</div></div><div><div>CU</div><div>Custom</div></div><div>Custom finishes require a longer lead time, consult factory</div></div> | <div>13</div> <div>LENGTH (IN)</div> <div><div>Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".</div></div> | <div>14</div> <div>EXACT/OPTIMAL</div> <div><div><div>O</div><div>Optimal Illumination</div></div><div><div>E</div><div>Exact Specified Length</div></div><div>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.</div></div> |

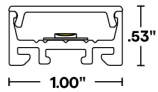
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



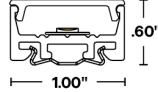
OPTI-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

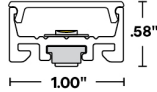
1 PRODUCT - DIMENSIONS



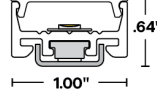
Profile



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-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

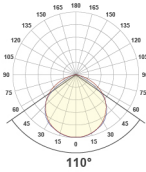
24VDC Linear Fixtures - Surface & Recessed

PHOTOMETRIC PERFORMANCE

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

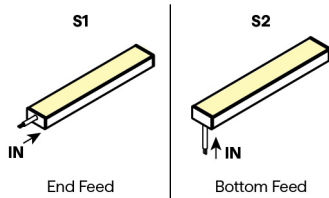
5W/ft

Frosted Lens

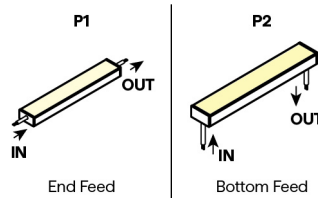


6 WIRE INPUT/OUTPUT

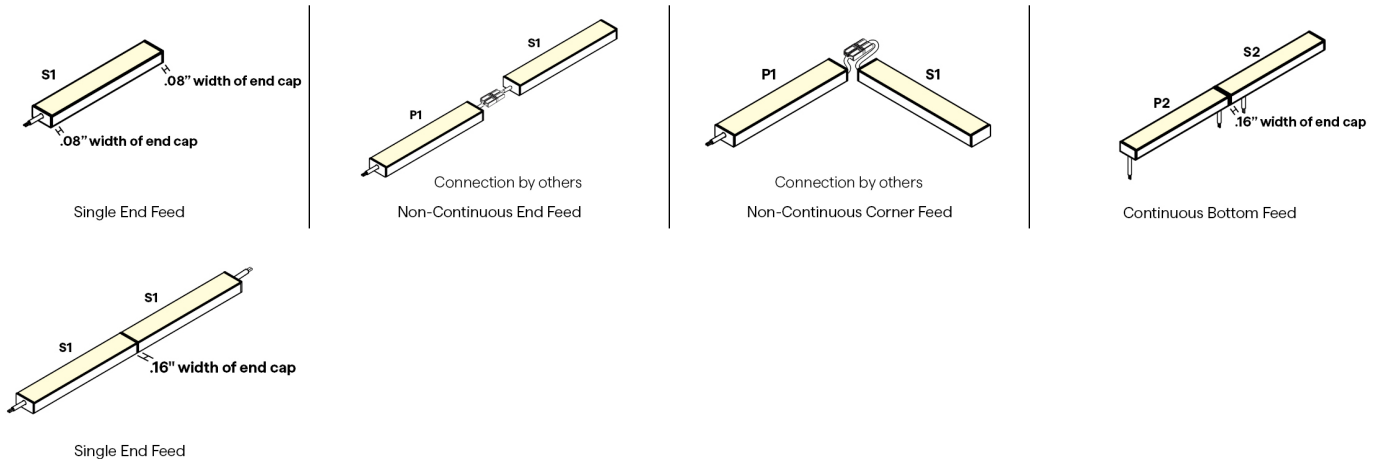
SINGLE (Input only)



PASS THROUGH (Input/Output)



CONFIGURATION OPTIONS



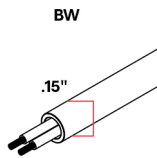


OPTI-FLAT (01) STATIC WHITE

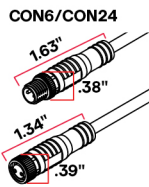
24VDC Linear Fixtures - Surface & Recessed

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



Bare Wire 36"
22 AWG



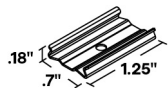
6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

9 WIRE COLOR



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

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

MG

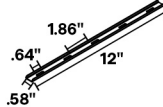


Magnet Clip

One MG provided per foot

To order separately use MG-02

MMA-02



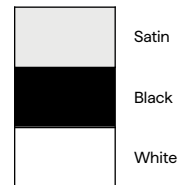
Magnet Mount
Accessory for MG-02

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

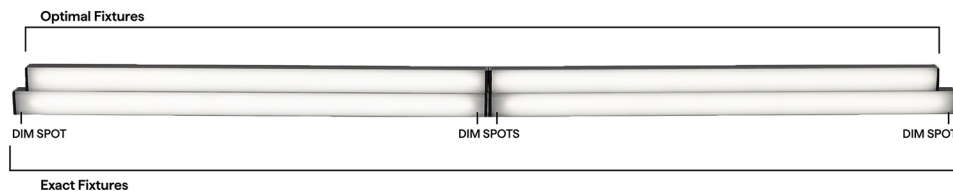
12 FINISH



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

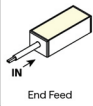
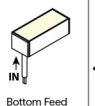
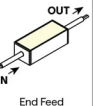
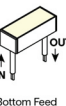
SW DRY LENGTHS BY INCH

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 | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| 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" | |

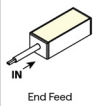
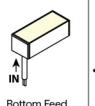
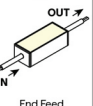
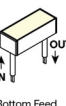
SW-HE DRY LENGTHS BY INCH

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 | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| 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 |
|---------------------|--|
| | SW24/15-4.0 |
| 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

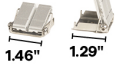
HINGE - HMB-M



1.41"
.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

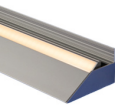
Q-ANGLE



2.23"
1.38"


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

| | | | | |
|--|---|--|--|---|
| 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