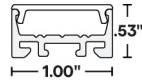
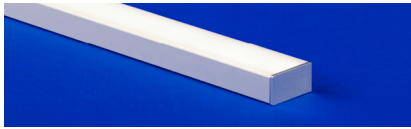




OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed



- 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
- When using DALI and DMX power supplies, LED wattage must be doubled

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: **OP1DW-2.5HE-20/30-DRY-DF-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

| | | | |
|--|--|--|--|
| 1 PRODUCT OP1DW OP1DW-USA Select USA option for BAA and BABA projects. Only DRY or WET ratings apply. LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies. | 2 WATTS/FT 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 4.0HE 4.0W/ft HE | 3 CCT 18/30 1800K/3000K 18/35 1800K/3500K 20/27 2000K/2700K 20/30 2000K/3000K 24/40 2400K/4000K 27/40 2700K/4000K 27/55 2700K/5500K | 4 RATED DRY IP20 |
| | 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 4.0HE 4.0W/ft HE | 18/30 1800K/3000K 18/35 1800K/3500K 20/27 2000K/2700K 20/30 2000K/3000K 24/40 2400K/4000K 27/40 2700K/4000K 27/55 2700K/5500K | DMP IP54 |
| | 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE | 18/30 1800K/3000K 18/35 1800K/3500K 20/27 2000K/2700K 20/30 2000K/3000K 24/40 2400K/4000K 27/40 2700K/4000K 27/55 2700K/5500K | WET IP67 |
| 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 | 7 CONNECTOR/WIRE IN BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" | 8 CONNECTOR/WIRE OUT CLS Closed End (No feed) |
| | | BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" | BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" |
| 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 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. |

For continuous mounting, consider bottom feed.

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

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



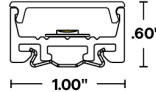
OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

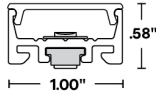
1 PRODUCT - DIMENSIONS



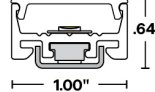
Profile



Profile with
concealed clip



Profile with magnet clip



Profile with magnet mount
clip and magnet mount
accessory

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with OP1DW-2.5HE-**-DRY-STD

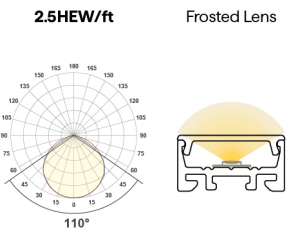
| | 3000K | |
|----|-------|-----|
| | LM/FT | CRI |
| FR | 219 | 98 |
| PR | 206 | 98 |
| DF | 182 | 98 |

TEMPERATURE RATINGS

| | | DW 1.5 HE W/FT | | DW 3.0 HE W/FT | | DW 2.5 HE W/FT | | DW 5.0 HE W/FT | | DW 4.0 HE W/FT | | DW 8.0 HE W/FT | |
|-----|----------------------------------|--------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|-----------------------------------|-------|
| | | QTL power supply other than DALI DMX | | DALI DMX, or non-QTL power supply | | QTL power supply other than DALI DMX | | DALI DMX, or non-QTL power supply | | QTL power supply other than DALI DMX | | DALI DMX, or non-QTL power supply | |
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 145°F | -4°F | 135°F | -4°F | 140°F | -4°F | 125°F | -4°F | 130°F | -4°F | 115°F |

PHOTOMETRIC PERFORMANCE

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



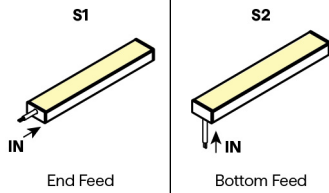


OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

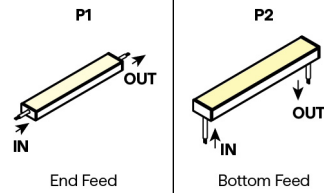
24VDC Linear Fixtures - Surface & Recessed

6 WIRE INPUT/OUTPUT

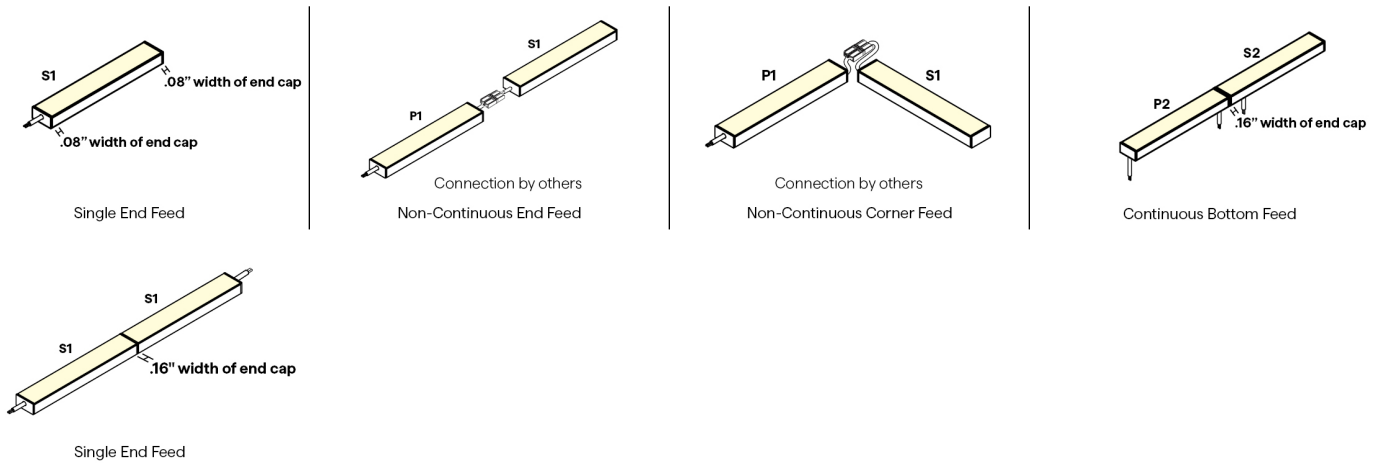
SINGLE (Input only)



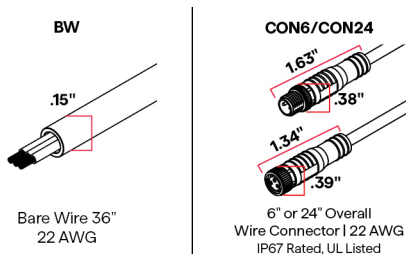
PASS THROUGH (Input/Output)



CONFIGURATION OPTIONS



7 / 8 CONNECTOR/WIRE - IN/OUT



9 WIRE COLOR



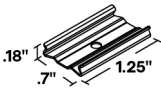


OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

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

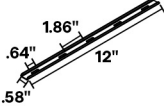


Magnet Clip

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

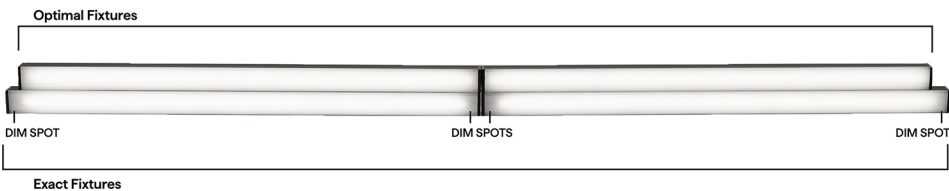
Black

White

Custom finishes 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.





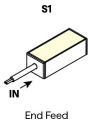
OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

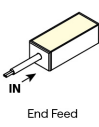
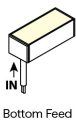
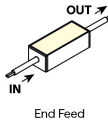
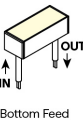
DW-HE DRY DMP LENGTHS BY INCH

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" |

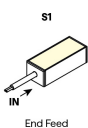
OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2 | | P1 & P2 | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| 12" | 10.51" | | 10.86" | |
| 13" | 12.51" | | 12.86" | |
| 14" | 12.51" | | 12.86" | |
| 15" | 14.51" | | 14.86" | |
| 16" | 14.51" | | 14.86" | |
| 17" | 16.51" | | 16.86" | |
| 18" | 16.51" | | 16.86" | |
| 19" | 18.51" | | 18.86" | |
| 20" | 18.51" | | 18.86" | |
| 21" | 20.51" | | 20.86" | |
| 22" | 20.51" | | 20.86" | |
| 23" | 22.51" | | 22.86" | |
| 24" | 22.51" | | 22.86" | |
| 36" | 34.51" | | 34.86" | |
| 48" | 46.51" | | 46.86" | |
| 60" | 58.51" | | 58.86" | |
| 72" | 70.51" | | 70.86" | |
| 84" | 82.51" | | 82.86" | |
| 96" | 94.51" | | 94.86" | |

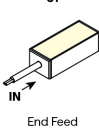
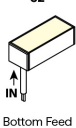
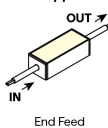
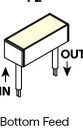
DW-HE WET LENGTHS BY INCH

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" | 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" | 10.66" | | 11.06" | |
| 13" | 12.66" | | 11.06" | |
| 14" | 12.66" | | 13.06" | |
| 15" | 14.66" | | 13.06" | |
| 16" | 14.66" | | 15.06" | |
| 17" | 16.66" | | 15.06" | |
| 18" | 16.66" | | 17.06" | |
| 19" | 18.66" | | 17.06" | |
| 20" | 18.66" | | 19.06" | |
| 21" | 20.66" | | 19.06" | |
| 22" | 20.66" | | 21.06" | |
| 23" | 22.66" | | 21.06" | |
| 24" | 22.66" | | 23.06" | |
| 36" | 34.66" | | 35.06" | |
| 48" | 46.66" | | 47.06" | |
| 60" | 58.66" | | 59.06" | |
| 72" | 70.66" | | 71.06" | |
| 84" | 82.66" | | 83.06" | |
| 96" | 94.66" | | 95.06" | |



OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

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 | OUTDOOR |
|--------------|---|---|
| | DW-HE Tunable Applications | DW-HE Tunable Applications |
| 0.1% | QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX | Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW QZ-DMX |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with TW App Dongle | |

| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|--|---|---|
| | DW-HE Tunable Applications | DW-HE Tunable Applications |
| 0-10V | QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN | QOM-eLED+TW |
| Lutron Athena | QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN | |
| DMX LED wattage must be doubled for DW-HE products | QZ-DMX | Q-SET-QZ-DMX QZ-DMX |
| DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6 | QOM-eLED+DALI-DT6 |
| DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8 |
| SCENE App Dimmed | Non-Dim Power Supply with TW App Dongle | |



OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

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 |
| NL-LARGE L Mounting Bracket | SD-L-LARGE L Mounting Bracket | MMA-02 .58" Magnet Mount Accessory of MG-02 | | | | | | | |

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"
2.27"
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"
2.58"
Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Read and write DMX addresses and adjust voltage