# ESSENTIALS ARKA-FLAT (01) SW-HE

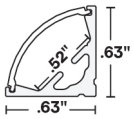
24VDC Linear Fixtures - Corner & Surface

410.2 & 410.16 Closet Rated up to 4.0W/ft

SW-HE ONLY

SW-HE ONLY






- Corner and surface mount linear fixture with rounded lens
- Choose from diffused, polar, or frosted lens options for varying diode visibility and beam angles
- Mounting options include stainless steel or plastic clip
- Features painted end caps to match extrusion finish
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Can be suitable for exterior use when specified as wet, contact factory for more information

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| | | | | | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/ OPTIMAL |
| | | | | | | | | |

Sample Part Number: **AK1SW-3.0HE-30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

## 1 PRODUCT

**AK1SW**
**AK1SW-USA**

Select USA option for BAA and BABA projects. SW-HE only. Only DRY ratings apply.

See following pages for compatible power supplies.

## 2 WATTS/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 |

| | |
|---|---|
| **3.0HE+** | 3.0W/ft HE+ |
| **6.0HE+** | 6.0W/ft HE+ |

| | |
|---|---|
| **1.5HE** | 1.5W/ft HE |
| **3.0HE** | 3.0W/ft HE |
| **6.0HE** | 6.0W/ft HE |

| | |
|---|---|
| **3.0HE+** | 3.0W/ft HE+ |
| **6.0HE+** | 6.0W/ft HE+ |

## 3 CCT

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

| | |
|---|---|
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
| **40** | 4000K |

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

| | |
|---|---|
| **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 EFFICIENCY

| | |
|---|---|
| **STD** | Standard |
| **WO** | White Optics |

WhiteOptics - Internal coating, greater lumen output

## 6 LENS

| | |
|---|---|
| **DF** | Diffused |
| **PR** | Polar |
| **FR** | Frosted |

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages

## 7 WIRE INPUT/OUTPUT

**SINGLE (Input only)**
**S1** End Feed

**PASS THROUGH (Input/output)**
**P1** End Feed

## 8 CONNECTOR/WIRE IN

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

## 9 CONNECTOR/WIRE OUT

| | |
|---|---|
| **CLS** | Closed End (No feed) |

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

## 10 WIRE COLOR

| | |
|---|---|
| **WH** | White |
| **BK** | Black |
| **N/A** | For Barrel |

wet barrel only available in black

## 11 WIRE TYPE

| | |
|---|---|
| **CL2** | Class 2 |
| **CL2P** | Plenum Rated |
| **N/A** | For Barrel |

CL2P only available with bare wire leads (BW)

## 12 MOUNTING

| | |
|---|---|
| **SST** | Stainless Steel |
| **PL** | Plastic Clip |

## 13 FINISH

| | |
|---|---|
| **ST** | Satin |
| **BK** | Black |
| **BZ** | Bronze |
| **CU** | Custom |

Custom finishes require a longer lead time, consult factory

## 14 LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

## 15 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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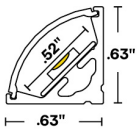
Specification subject to change. Rev-10-05-26

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

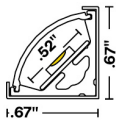
# ESSENTIALS ARKA-FLAT (01) SW-HE

24VDC Linear Fixtures - Corner & Surface

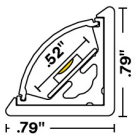
## 1 PRODUCT - DIMENSIONS




Profile




Profile with stainless steel mounting clip




Profile with plastic mounting clip

## 2 DELIVERED LUMENS

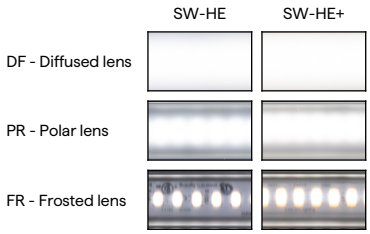
[Calculated L70 = 66000 hrs, L70 = 55000 for HE+]
Tested with AK1SW-**-30-DRY-STD

| | 1.5HE W/FT | | 3.0HE W/FT | | 3.0HE+ W/FT | | 6.0HE 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 |
| FR | 187 | 98 | 342 | 98 | 493 | 92 | 648 | 98 | 912 | 92 | 1013 | 98 |
| PR | 183 | 98 | 336 | 98 | 485 | 92 | 637 | 98 | 896 | 92 | 994 | 98 |
| DF | 167 | 98 | 306 | 98 | 442 | 92 | 580 | 98 | 816 | 92 | 906 | 98 |

[Calculated L70 = 66000 hrs, L70 = 55000 for HE+]
Tested with AK1SW-**-30-DRY-WO

| | 1.5HE W/FT | | 3.0HE W/FT | | 3.0HE+ W/FT | | 6.0HE 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 |
| FR | 198 | 98 | 362 | 98 | 522 | 92 | 686 | 98 | 966 | 92 | 1073 | 98 |
| PR | 191 | 98 | 350 | 98 | 505 | 92 | 663 | 98 | 933 | 92 | 1036 | 98 |
| DF | 178 | 98 | 326 | 98 | 470 | 92 | 617 | 98 | 868 | 92 | 965 | 98 |

## 6 DIODE VISIBILITY




## PHOTOMETRIC PERFORMANCE

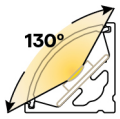
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

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Specification subject to change. Rev-10-05-26

# ESSENTIALS ARKA-FLAT (01) SW-HE

24VDC Linear Fixtures - Corner & Surface



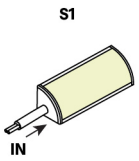

130°

## TEMPERATURE RATINGS

| | | 1.5 HE W/FT | | 3.0 HE W/FT | | 3.0 HE+ W/FT | | 6.0 HE W/FT | | 6.0 HE+ W/FT | | 9.0 HE W/FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 145°F | -4°F | 140°F | -13°F | 140°F | -4°F | 120°F | -13°F | 120°F | -4°F | 105°F |
| DMP | Ambient Operating Temp - Surface | -4°F | 145°F | -4°F | 140°F | — | — | -4°F | 120°F | — | — | — | — |
| WET | Ambient Operating Temp - Surface | — | — | — | — | -13°F | 135°F | — | — | -13°F | 115°F | — | — |

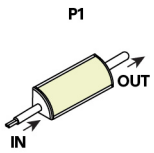
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



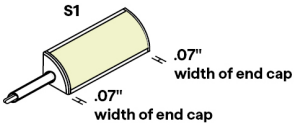

End Feed

PASS THROUGH (Input/Output)

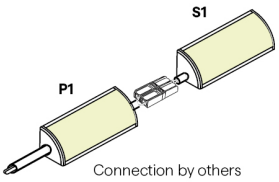



End Feed

## CONFIGURATION OPTIONS

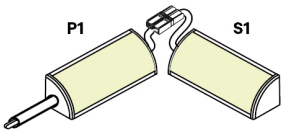



Single End Feed



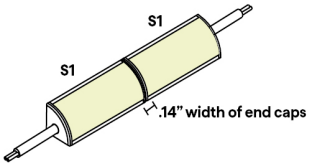

Connection by others

Non-Continuous End Feed




Connection by others

Non-Continuous Corner Feed




Continuous End to End Feed

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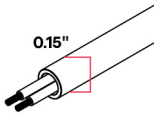
# ESSENTIALS ARKA-FLAT (01) SW-HE

24VDC Linear Fixtures - Corner & Surface

## 8/9 CONNECTOR/WIRE – IN/OUT

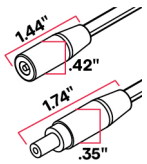
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

**BW**



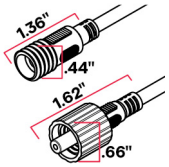

Bare Wire 24"
22 AWG

**BRL**




Barrel 6" - DRY/DMP | 22 AWG

**BRL**



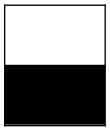

Barrel 6"- WET | 22 AWG

**CON6/CON24**




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

## 10 WIRE COLOR

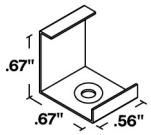


White

Black

## 12 MOUNTING

**SST**



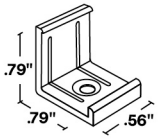

Stainless Steel Clip

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

To order separately use SST-03

Each clip comes with a #4 x 5/8" Flat Head SS

**PL**




Plastic Clip

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

To order separately use PLC-02

Each clip comes with a #4 x 5/8" Flat Head SS

## 13 FINISH



Satin

Black

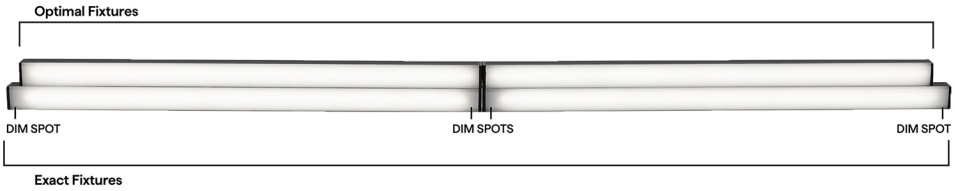
Bronze

Custom finishes require a longer lead time, consult factory

## 14 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →  E/O Explained →

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.



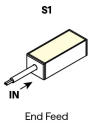

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# ESSENTIALS ARKA-FLAT (01) SW-HE

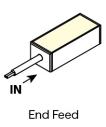
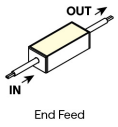
24VDC Linear Fixtures - Corner & Surface

## SW-HE, SW-HE+ DRY DMP LENGTHS BY INCH

### EXACT LENGTH

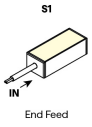
| Requested Length | Potential dim spot on either end of a S1 fixture   |
|---|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1"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

### OPTIMAL LENGTH

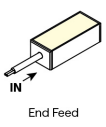
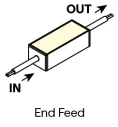
| Requested Nominal Length | S1   | P1   |
|---|---|---|
| 12" | 10.41" | 10.66" |
| 13" | 12.41" | 12.66" |
| 14" | 12.41" | 12.66" |
| 15" | 14.41" | 14.66" |
| 16" | 14.41" | 14.66" |
| 17" | 16.41" | 16.66" |
| 18" | 16.41" | 16.66" |
| 19" | 18.41" | 18.66" |
| 20" | 18.41" | 18.66" |
| 21" | 20.41" | 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" |

## SW-HE+ WET LENGTHS BY INCH

### 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   | P1   |
|---|---|---|
| 12" | 10.61" | 10.76" |
| 13" | 12.61" | 12.76" |
| 14" | 12.61" | 12.76" |
| 15" | 14.61" | 14.76" |
| 16" | 14.61" | 14.76" |
| 17" | 16.61" | 16.76" |
| 18" | 16.61" | 16.76" |
| 19" | 18.61" | 18.76" |
| 20" | 18.61" | 18.76" |
| 21" | 20.61" | 20.76" |
| 22" | 20.61" | 20.76" |
| 23" | 22.61" | 22.76" |
| 24" | 22.61" | 22.76" |
| 36" | 34.61" | 34.76" |
| 48" | 46.61" | 46.76" |
| 60" | 58.61" | 58.76" |
| 72" | 70.61" | 70.76" |
| 84" | 82.61" | 82.76" |
| 96" | 94.61" | 94.76" |

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# ESSENTIALS ARKA-FLAT (01) SW-HE

24VDC Linear Fixtures - Corner & Surface

## 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 |
|---|---|---|
| | SW24/5.0, SW-HE, SW-HE+ | SW24/5.0, SW-HE, SW-HE+ |
| Dim to Black | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH+QD1 | QOM-DC+CAP<br>QOM-PH |
| 0.1% | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-DMX<br>Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QZ-DMX<br>QZ-PRO-PH/0-10V |
| 1% | Q-DIM<br>QTM-eLED(E)<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with SW App Dongle | |

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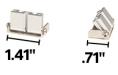
# ESSENTIALS ARKA-FLAT (01) SW-HE

24VDC Linear Fixtures - Corner & Surface

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

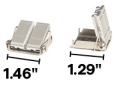
## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-M**




Adjustable mounting bracket - Medium

**HINGE - HMB-L**




Adjustable mounting bracket - Large

**HINGE - HMB-XL**




Adjustable mounting bracket - XLarge

**Q-PIVOT**



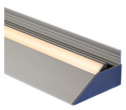

Small mounting accessory

**Q-ANGLE**



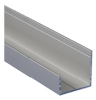

Adjustable mounting accessory

**QUOVA-STANDARD**



QUOVA Knife Edge

**SD-J-LARGE**



J Mounting Bracket

**NL-LARGE**



L Mounting Bracket

**NJ-MEDIUM**



J Mounting Bracket

**SD-L-MEDIUM**



L Mounting Bracket

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Specification subject to change. Rev-10-05-26