**ACE LED**
ULTRA VALUE LIGHTING
By Linmore LED

# SPEC SHEET

# Ace Strip Fixture (ST1)

## LINEAR 4' LED STRIP FIXTURE



FC · DLC QPL Listed PREMIUM · Bluetooth Ready

## KEY FEATURES

- 3,100 to 5,000 lumens

- Up to 140 LPW

- 180° light distribution

- Removable cover for quick installation

- Dimmable 0-10V

- FCC CFR 47 Part 15

### Quick Install and Easy Access

Easily open the fixture with latches instead of disassembling with tools. Expedites installation and simplifies maintenance.

### Mechanically Linkable

Create a continuous, straight row of fixtures for improved lighting uniformity and a cleaner look.

### Superior Thermal Management

Featuring high efficacy LEDs to deliver the maximum lumen output for its size with optimal heat dissipation.

**5 YEAR** WARRANTY

**48-HOUR** QUICK SHIP

# TECHNICAL SPECS

| LUMEN OUTPUT | EFFICACY | WATTS | PART NUMBER |
|:---:|:---:|:---:|:---:|
| 3,100 | 140 | 22 | AL-ST1-4-50K-22WDF |
| 5,030 | 140 | 36 | AL-ST1-4-50K-36WDF |

Typical lumen output (±10%) at 120V (LV) under 25°C ambient temperature at 5000K.

## Lumen Multipliers

Allows to calculate the actual lumen output for your application. Apply each multiplier to the lumens of the shaded table.

| COLOR TEMP | |
|:---:|:---:|
| **CCT** | **Multiplier** |
| 5000 | 1.000 |
| 4000 | 1.000 |
| 3500 | 0.960 |

**Example:** How to calculate the actual lumen output of the 5,030 model at 3500K.

1) Find the lumens from the lumen output column.

2) Apply all the corresponding multipliers.

| 5,030 | x | 0.960 | = | 4,829 |
|:---:|:---:|:---:|:---:|:---:|
| Nominal lumens | | CCT | | Actual lumens |

# ORDERING

| MODEL | SIZE | CCT | WATTAGE | LENS | OPTIONS |
|---|---|---|---|---|---|
| **AL-ST1-** | **4**<br>48" | **50K**<br>5000K<br><br>**40K**<br>4000K<br><br>**35K**<br>3500K<br><br>Other CCT available upon request with extended lead time. | **22W**<br><br>**36W**<br><br>Other wattages available upon request with extended lead time. | **DF**<br>Frosted Lens | **LINK**<br>Mechanically Linkable Bracket<br><br>**BBU-08W**<br>8 watt battery backup, for 22W fixture<br><br>**BBU-025W**<br>25 watt battery backup, for 36W fixtures<br><br>**QBM**<br>Linmore LED UltraLink<br><br>**MCW-BLE**<br>McWong sensor for use with UltraLink only<br><br>**LEDD**<br>Enocean relay |

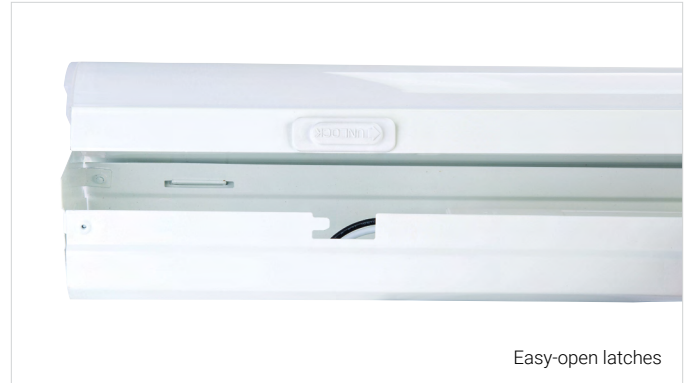# ORDERING EXAMPLES

**Standard:** AL-ST1-4-50K-22WDF

**With Options:** AL-ST1-4-50K-22WDF-**LINK**

# FEATURES & SPECIFICATIONS

## CONSTRUCTION

- **Components:** Only the highest quality LEDs are used to deliver the maximum amount of lumens per strip.

- **Latches:** ST1 has latches to easily open the fixture while other strips in the market have to be disassembled with tools. The easy opening latches make for an expedited installation and make the ST1 easy to maintain in future years.

- **Mechanically Linkable:** Link up to 4 ST1 fixtures using the Linkable Connector option for a straight, continuous row.



Easy-open latches

## ELECTRICAL

- **Power Input:** 120-277V.
- **Power Factor:** >0.9 (0.99 typical).
- **Total Harmonic Distortion:** <10%.

## OPERATION

- **Environment:** Dry/Damp, for interior applications.
- **Ambient Range Operation:** -40°C up to 50°C (-40°F up to 130°F).

## OPTICS

- **CCT:** 3500K, 4000K and 5000K standard, other CCT available (extended lead time).

- **CRI:** >80 standard, other CRI available (extended lead time).

- **Lenses:** Frosted lenses made using a high-quality plastic with UV inhibitors to aid against yellowing. 180° light distribution.

## CONTROLS[2]

- **Dimming:** 0-10V standard. Dim to OFF.

- **Sensors:** Compatible with McWong sensors and Enocean switches.

- **Networked Control Options:** Compatible with Avi-On[4] networked controls and UltraLink SIG Bluetooth® with Mesh Networked Controls[3].

## WARRANTY

- **Standard:** 5-year product warranty covers fixture and driver.

## LISTINGS & CERTIFICATIONS

- UL 1598.
- RoHS compliant.
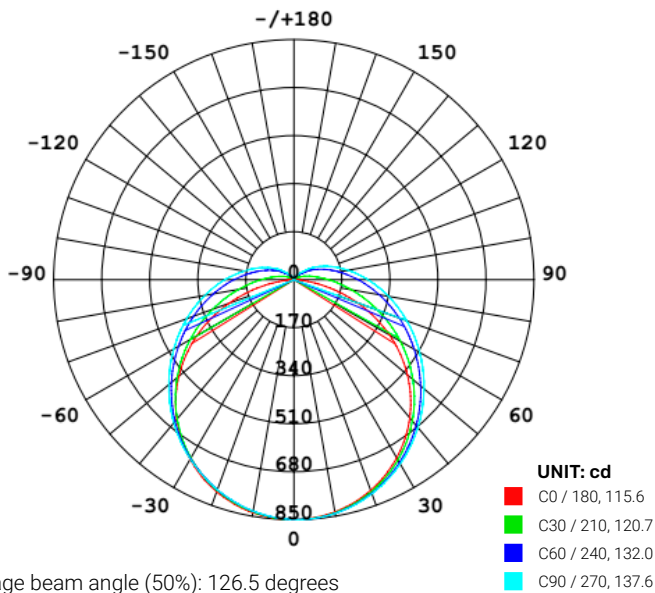- DesignLights™ Consortium Premium.[1]

# ACCESSORIES

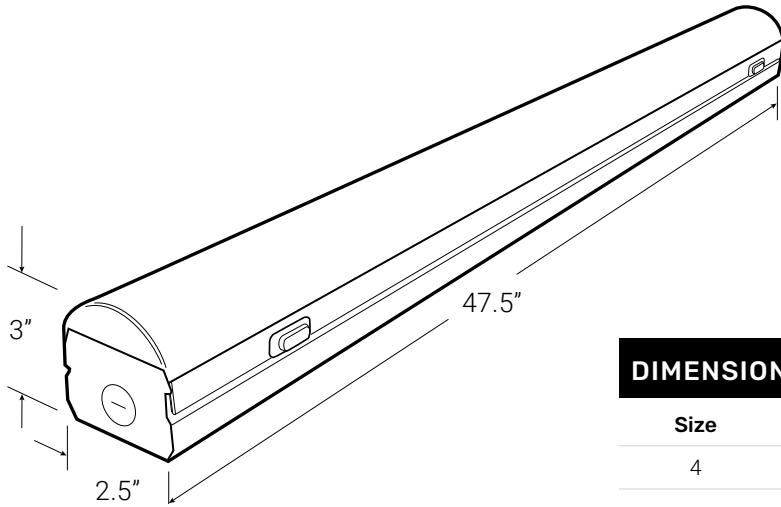| SWITCHES *ORDERED SEPARATELY | |
|---|---|
| EO-ESRPB | Enocean switch. Single rocker with Bluetooth®. |
| EO-EDRPB | Enocean switch. Double rocker with Bluetooth®. |
| EO-ESRP | Enocean switch. Single rocker. |
| EO-EDRP | Enocean switch. Double rocker. |

# LIGHT DISTRIBUTION

**FROSTED LENS**

**Polar Graph**
**AL-ST1-4-50K-22W-DF**



**UNIT: cd**
- C0 / 180, 115.6
- C30 / 210, 120.7
- C60 / 240, 132.0
- C90 / 270, 137.6

Average beam angle (50%): 126.5 degrees

**Download IES Files**

# DIMENSIONS & DRAWINGS



## DIMENSIONS

| Size | Length (in) | Width (in) | Height (in) | Weight (lb) |
|------|-------------|------------|-------------|-------------|
| 4 | 47.5 | 2.5 | 3 | 5 |

# FOOTNOTES

1. Check QPL for up-to-date listings.

2. Synapse, Daintree and Enlighted are available with extended lead time. Electrical changes and additional components required to make fixture compatible.

3. Requires Enocean switch, McWong sensor or a gateway for complete functionality.

4. Contact your regional sales director.

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