

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace Bar Kit (ABK)

LINEAR LED LIGHT BAR



KEY FEATURES

- 1,200 to 6,000 lumens
- Up to 154 LPW
- 180° light distribution
- FCC CFR 47 Part 15 (dimmable drivers only)
- Estimated life >120,000 hours
- Dimmable 0-10V (optional)



Simple Retrofit

Quick and effective retrofit for strip lights, task lights and more. Fits between existing lamp holders to expedite installation.



Superior Heat Dissipation

Each LED board is inserted onto an aluminum extrusion for optimal heat dissipation and maximum longevity.



Controls and Sensors

Ace LED Driver with 0-10V dimming optional. Plus motion and dimming sensors, and wireless controls available. Field installed only.



TECHNICAL SPECS

MODEL SIZE	LUMEN OUTPUT	EFFICACY	WATTS	PART NUMBER
2' MODEL	1,280	142	9	AL-ABK-2-1-50K-9W
	2,243	150	15	AL-ABK-2-2-50K-15W
	3,204	146	22	AL-ABK-2-2-50K-22W
	3,968	142	28	AL-ABK-2-3-50K-28W
	4,102	146	28	AL-ABK-2-4-50K-28W
4' MODEL	2,058	137	15	AL-ABK-4-1-50K-15W
	3,204	146	22	AL-ABK-4-1-50K-22W
	2,243	150	15	AL-ABK-4-2-50K-15W
	3,204	146	22	AL-ABK-4-2-50K-22W
	3,968	142	28	AL-ABK-4-2-50K-28W
	4,777	141	34	AL-ABK-4-2-50K-34W
	5,568	140	40	AL-ABK-4-2-50K-40W
	3,204	146	22	AL-ABK-4-3-50K-22W
	3,968	142	28	AL-ABK-4-3-50K-28W
	4,777	141	34	AL-ABK-4-3-50K-34W
	5,568	139	40	AL-ABK-4-3-50K-40W
	3,398	154	22	AL-ABK-4-4-50K-22W
	4,274	153	28	AL-ABK-4-4-50K-28W
	5,139	151	34	AL-ABK-4-4-50K-34W
	5,986	150	40	AL-ABK-4-4-50K-40W

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
4100	1.000
3500	0.920

Example: How to calculate the actual lumen output of the 1,280 model at 3500K.

- 1) Find the lumens from the shaded column.
- 2) Apply all the corresponding multipliers.

$$\begin{array}{ccccccc}
 1,280 & \times & 0.920 & = & 1,178 \\
 \text{Nominal lumens} & & \text{CCT} & & \text{Actual lumens}
 \end{array}$$

ORDERING EXAMPLES

Standard: AL-ABK-4-2-41K-15W

With Options: AL-ABK-4-2-41K-15W-DIM

ORDERING

MODEL	SIZE	# OF BARS	CCT	WATTAGE	DIMMING
AL-ABK-	2 4	1 2 3 4	50K 5000K 41K 4100K 35K 3500K Other CCT available upon request with extended lead time.	9W 15W 22W 28W 34W 40W	DIM Optional Leave blank for non-dimmable.

ACCESSORIES *ORDERED SEPARATELY

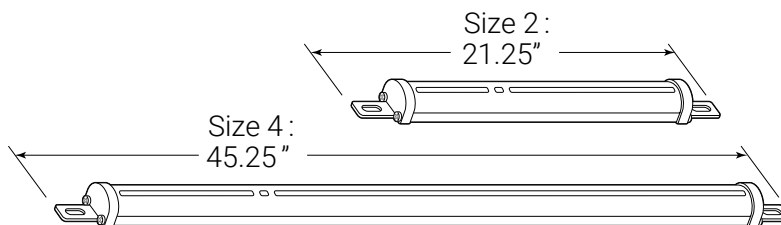
Backup Battery

LL-BBU-08W-001 8W battery backup. Input 120-277V. Output 18-48VDC.

DIMENSIONS & DRAWINGS

DIMENSIONS

Size	Length (in)	Width (in)	Height (in)	Weight (lb)
2	21.25	0.625	0.375	<1
4	45.25	0.625	0.375	<1



FEATURES & SPECIFICATIONS

CONSTRUCTION

- **Aluminum Extrusion:** Each LED board is inserted onto an aluminum extrusion to aid in heat dissipation and ensure to maximum longevity.
- **Bar Kit Options:** 1, 2, 3 or 4 bar kits available.
- **LEDs:** High Efficacy LEDs are used to deliver maximum light output.

ELECTRICAL

- **Power Input:** 120-277V (50/60Hz), typical.
- **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 45°C (-40°F up to 113°F).

OPTICS

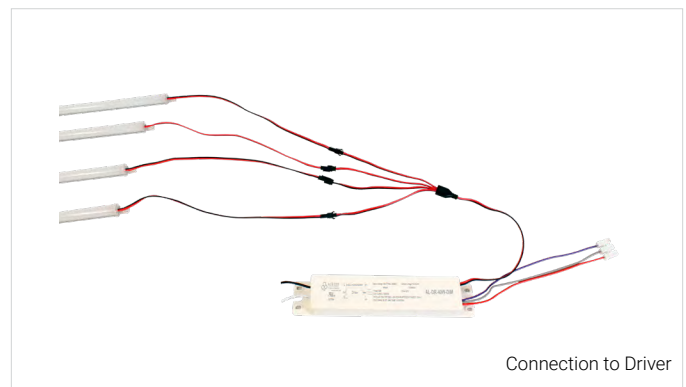
- **CCT:** 3500K, 4100K and 5000K standard, other CCT available (extended lead time).
- **CRI:** 80+ standard, other CRI available (extended lead time).
- **Lenses:** Frosted lenses made using a high-quality plastic with UV inhibitors to aid against yellowing. 180° light distribution.

MOUNTING

- **Mounting:** Fixture includes one (1) installation bracket with magnets to aid in the installation process.

CONTROLS²

- **Dimming:** 0-10V standard. Dim to OFF.
- **Sensors:** Compatible with Wattstopper and McWong sensors, and EnOcean switches.
- **Networked Control Options⁵:** Compatible with Avi-on networked controls and UltraLink SIG Bluetooth® with Mesh Networked controls^{3,4}.



WARRANTY

- **Standard:** 7-year product warranty covers fixture and LED driver.

LISTINGS & CERTIFICATIONS

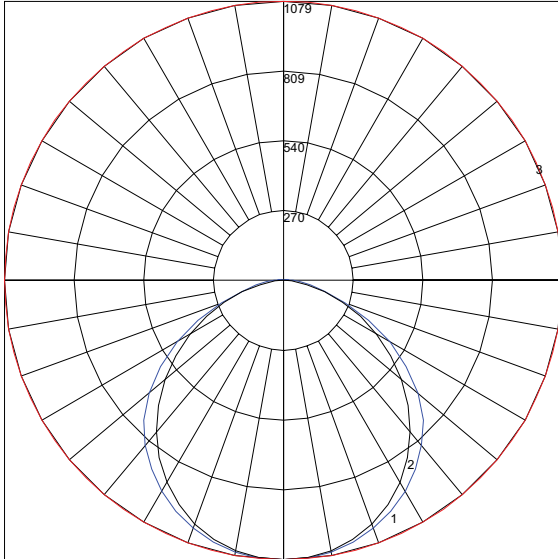
- UL 1598
- RoHS compliant
- DesignLights™ Consortium Premium¹
- FCC CFR 47, Part 15²
- cUL



LIGHT DISTRIBUTION

FROSTED LENS

Polar Graph AL-ABK- 4-4-30K-22W-DIM



Maximum Candela: 1079

Located at horizontal angle: 0, Vertical angle : 0

#1: Vertical plane through horizontal angles (0-180)(through max Cd.)

#2: Vertical plane through horizontal angles (90-270)

#3: Horizontal cone through vertical angle (0)(through max Cd.)

[Download IES Files](#)

FOOTNOTES

1. Check QPL for up-to-date listings. Dimmable drivers only.
2. Synapse, Daintree and Enlighted are available with extended lead time. Electrical changes and additional components required to make fixture compatible.
3. Fulham and BubblyNet relays compatible with UltraLink allowing for switching of line voltage at 120-277V.
4. Requires Enocean switch, McWong sensor or a gateway for complete functionality.
5. Contact your regional sales director.

Linmore LED Labs, Inc.

2360 S. Orange Ave, Bldg. 1, Fresno, CA 93725

559.485.6010 | info@linmoreled.com | LinmoreLED.com



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