ACE LED
ULTRA VALUE LIGHTING
By Linmore LED

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace Bar Kit (ABK)

LINEAR LED LIGHT BAR

7 YEAR PRODUCT WARRANTY

c UL us

Ready

TRUSTED NLB NATIONAL LIGHTING BUREAU WARRANTY

DLC LISTED

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.

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)

48-HOUR QUICK SHIP

TECHNICAL SPECS

SIZE	# OF BARS	WATTS	LUMEN OUTPUT	EFFICACY	PART NUMBER
2′	1	9	1,175	131	AL-ABK-2-1-41K-9W
	2	15	2,058	137	AL-ABK-2-2-41K-15W
	2	22	2,939	134	AL-ABK-2-2-41K-22W
	3	28	3,640	130	AL-ABK-2-3-41K-28W
	4	28	3,763	134	AL-ABK-2-4-41K-28W
4′	1	15	2,058	137	AL-ABK-4-1-41K-15W
	1	22	2,939	134	AL-ABK-4-1-41K-22W
	2	15	2,058	137	AL-ABK-4-2-41K-15W
	2	22	2,939	134	AL-ABK-4-2-41K-22W
	2	28	3,640	130	AL-ABK-4-2-41K-28W
	2	34	4,383	129	AL-ABK-4-2-41K-34W
	2	40	5,108	128	AL-ABK-4-2-41K-40W
	3	22	2,939	134	AL-ABK-4-3-41K-22W
	3	28	3,640	130	AL-ABK-4-3-41K-28W
	3	34	4,383	129	AL-ABK-4-3-41K-34W
	3	40	5,108	128	AL-ABK-4-3-41K-40W
	4	22	3,117	142	AL-ABK-4-4-41K-22W
	4	28	3,921	140	AL-ABK-4-4-41K-28W
	4	34	4,715	139	AL-ABK-4-4-41K-34W
	4	40	5,492	137	AL-ABK-4-4-41K-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.

1,280	x	0.920	=	1,178
Nominal lumens		CCT		Actual lumens

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.

When building part numbers, please note the maximum wattage per bar is 9W for a 2' bar and 22W for a 4' bar. Higher wattages can be configured with multiple bars.
See page 2 for available # of bars / wattage combinations.

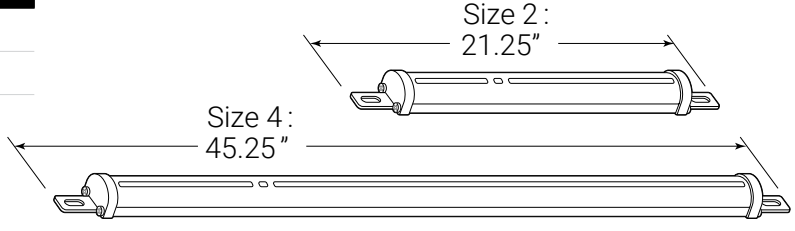
ACCESSORIES

ULTRALINK WIRELESS CONTROLS	
ULTRARELAY-5A	UltraLink Bluetooth Wireless Receiver / Controller, Bluetooth to 0-10V Converter with 5 Amp Relay, Field Installed, 120-277V AC Input, Silvair Firmware.
ULTRARELAY-20A	UltraLink Bluetooth Wireless Receiver / Controller, Bluetooth to 0-10V Converter with 20 Amp Relay, Field Installed, 120-277V AC Input, Silvair Firmware.
BATTERY BACKUP	
LL-BBU-08W-001	Emergency Battery Backup, 8W, 90 min, ~1100lm. 100-277V AC Input. Field installed.

Channels and channel covers available. Contact factory for more information.

DIMENSIONS & DRAWINGS

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.

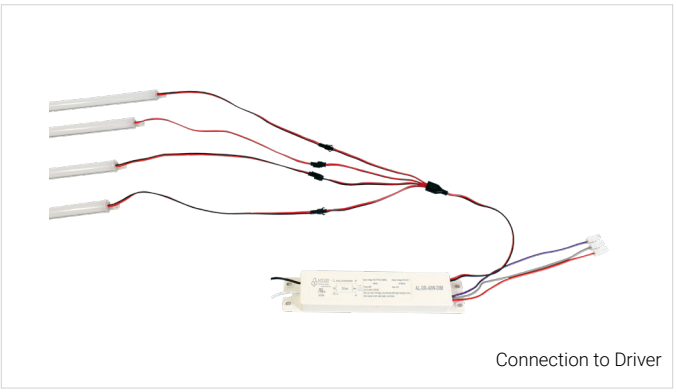
MOUNTING

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

CONTROLS[2]

- **Dimming:** 0-10V standard. Dim to OFF.
- **Sensors:** Compatible with Wattstopper and McWong sensors, and Enocean switches.
- **Networked Control Options[5]:** UltraLink SIG Bluetooth® with Mesh Networked controls[3,4].

Installation Bracket



Connection to Driver

WARRANTY

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

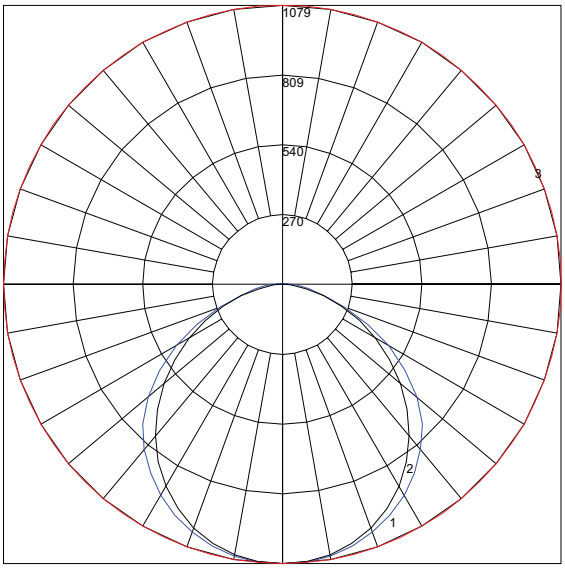
LISTINGS & CERTIFICATIONS

- UL 1598
- RoHS compliant
- FCC CFR 47, Part 15[2]
- cUL
- DesignLights™ Consortium Standard.

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. Requires UltraLink relays, ULTRARELAY-5A or ULTRARELAY-20A, see Accessories.
4. Requires Enocean switch, McWong sensor or a gateway for complete functionality.
5. Contact your regional sales director.

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LinmoreLED® ULTRA PERFORMANCE LIGHTING

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