

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Center Basket Retrofit Kit (ARK)

TROFFER RETROFIT KIT

*U.S. PATENT NO. 10,054,296¹



KEY FEATURES

- 2,400 to 5,300 lumens
- Up to 141 LPW
- 2x2 and 2x4 models
- Patented URS Light Bar
- Dimmable
- Integral volumetric diffuser
- 180° light distribution
- Designed to fit Lithonia Avante® fixtures
(Avante® is a registered trademark of Lithonia Lighting)



Quick and Easy Retrofit

Pre-assembled with quick-disconnect for incoming power. Retrofits the unique design of Lithonia Avante® fixtures in just 5 minutes.



Direct and Indirect Light

Unique design creates the same lighting effect of a fluorescent troffer with both direct and indirect light, while using 50% less energy.



Quality Design

Based on the URS Light Bar featuring high efficacy LEDs mechanically bonded to an extruded aluminum bar for optimal heat dissipation.



TECHNICAL SPECS

SIZE	LUMEN OUTPUT	EFFICACY	WATTS	PART NUMBER
2x2	2,429	133	18	LL-ARK-22-41K-18W
	2,907	123	24	LL-ARK-22-41K-22W
2x4	3,592	140	26	LL-ARK-24-41K-26W
	4,110	137	30	LL-ARK-24-41K-30W
	4,770	133	36	LL-ARK-24-41K-36W
	5,328	125	43	LL-ARK-24-41K-44W

Typical lumen output (±10%) at 120V (LV) under 25°C ambient temperature 4100K.

Lumen Multipliers

Allows to calculate the actual lumen output for your application.

COLOR TEMP	
CCT	Multiplier
5000	1.000
4100	1.000
3500	0.980

Example: How to calculate the actual lumen output of the 4,140 model at 3500K.

- 1) Find the nominal lumens from the lumen output column.
- 2) Apply all the corresponding multipliers.

$$\begin{array}{ccccccc}
 4,110 & \times & 0.980 & = & 4,028 \\
 \text{Nominal lumens} & & \text{CCT} & & \text{Actual lumens}
 \end{array}$$

ORDERING

SERIES MODEL	SIZE	CCT	WATTS		OPTIONS
LL-ARK-	22 2X2 fixture 24 2x4 fixture	35K 3500K 41K 4000K 50K 5000K Other CCT available upon request.	18W 22W 26W	30W 36W 44W	BBU-08W Emergency Battery Backup, 8 Watts

ORDERING EXAMPLES

Standard: LL-ARK-22-35K-18W

With Options: LL-ARK-22-35K-18W-**BBU-08W**

FEATURES & SPECIFICATIONS

CONSTRUCTION

- **Heat Sinks:** Made of 6063 T5 extruded aluminum with multiple fins and large surface area for superior heat dissipation.
- **Light Engine:** We use our patented URS Light Bar, known for its high performance and superior heat dissipation.
- **LED Board:** Made of aluminum core and mechanically bonded to the aluminum extrusion heat sink.
- **LEDs:** Only high quality LEDs are used to deliver maximum light output and longevity.
- **Assembled in the USA.**



ELECTRICAL

- **Power Input:** 120-277V (50/60Hz).
- **Power Factor:** >0.9 (0.99 typical).
- **Total Harmonic Distortion:** <9%.
- **Emergency Battery Backup (BBU):** 8W battery backup. Input 120-277V. Output 18-48VDC.

OPERATION

- **Environment:** Dry/Damp, for interior applications. Dust-resistant LED modules.
- **Ambient Range Operation:** -40°C up to 50°C (-40°F up to 125°F).
- **CCT:** 3500K, 4100K and 5000K standard, other CCT available (extended lead time).
- **CRI:** >80 standard.

MOUNTING

- **Retrofit for existing troffers²:** A white replacement center channel cover is pre-formed and ready to quickly fasten to most center basket troffers, including the Lithonia Avante[®]. The ARK comes completely assembled with a quick-disconnect for incoming power allowing an ARK to be installed in 5 minutes.

CONTROLS

- **Dimming:** 0-10V standard. Dim to OFF.
- **Sensors:** Contact factory.
- **Networked Control Options:** Contact factory.

WARRANTY

- **Standard:** 20-year warranty on light bar. 10-year warranty on the LED driver.

LISTINGS & CERTIFICATIONS

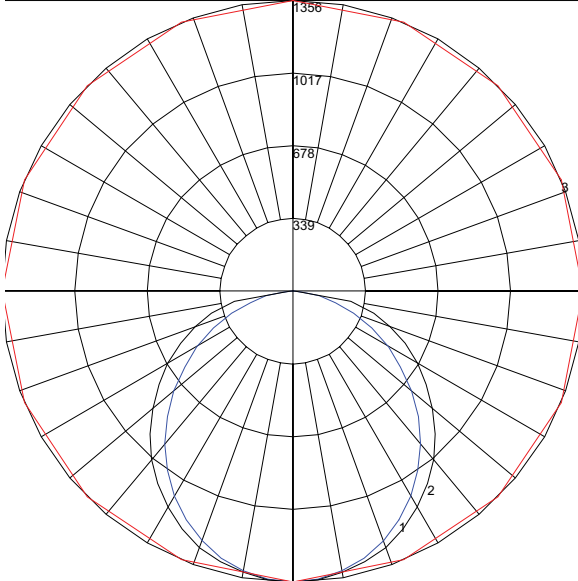
- UL 1598.
- RoHS compliant.
- FCC CFR 47, Part 15.



LIGHT DISTRIBUTION

INTEGRAL VOLUMETRIC DIFFUSER

Polar Graph
LL-ARK-24-35K-30W



Maximum Candela: 1356

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. Patent is on internal URS Light Bar only.
2. Designed specifically for Lithonia Avante® models 2 AV G2 17 MDR 2X2 and 2 AV G2 32 MDR 2X4. Fits some other center basket fixtures. Contact factory.

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