ACE LED
ULTRA VALUE LIGHTING
By Linmore LED

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

Ace LED Door Kit (AD2-L)

LED RETROFIT KIT FOR TROFFERS WITH LUTRON TECHNOLOGY

10 YEAR PRODUCT WARRANTY

DAMP

Projected L70 up to 150,000 hours

VIVE by LUTRON

Vive Wireless Controls by Lutron

Simple, scalable, and wireless lighting controls that help make both new and existing commercial buildings efficient, comfortable and productive.

Save on time. Save on labor

Quick installation time – up to 70% faster than wired control solutions - means shorter timelines and lower cost.

Meet code. Meet your needs

Vive is easy to specify, install, and update, offering flexible, code-compliant solutions for new construction and retrofits.

KEY FEATURES

- 3,000 to 6,000 Lumens
- Up to 125 LPW
- 1x4, 2x2 and 2x4 Sizes Available
- Ultra Slim Design
- Retrofts Recessed Troffers
- Frosted Lens
- Low Glare
- Emergency Battery Back Available

FEATURES & SPECIFICATIONS

CONSTRUCTION

- **Housing:** Galvanized sheet. Ultra slim design.
- **Housing Color:** White.

ELECTRICAL

- **Power Input:** 120-277V (50/60Hz).
- **Power Factor:** Greater than 0.9.
- **Total Harmonic Distortion:** Less than 20%.
- **Emergency Battery Backup:** 9 Watts output (~1,100 lumens) for >90 minutes. Simple wiring, metal conduit. Field installed. Available as an accessory, sold separately.

OPERATION

- **Environment:** For interior applications, dust-resistant, listed for damp locations.
- **Ambient Range Operation:** -20°C up to 35°C (-4°F up to 95°F).

OPTICS

- **CCT:** 3500K and 4000K available.
- **CRI:** 80+ standard.
- **Lens:** Polycarbonate, Frosted. 120° beam angle.

MOUNTING

- **Retrofit:** Kit retrofits most standard recessed troffers.

CONTROLS

- **Dimming:** Soft-On, Fade-to-Black dimming technology. Dimming range 100% to 1%.
- **Occupancy Sensors:** Vive by Lutron.
- **Lighting Controls:** Vive by Lutron.

WARRANTY

- **10 Year Warranty:** The fixture is guaranteed for 5 years free of defects in materials and workmanship, including LEDs and driver. "Defective" is considered if ten percent (10%) or more of the LEDs, per product, are non-operating LEDs, or color temperature has shifted more than 500° Kelvin within the warranty period. See terms and conditions at https://linmoreled.com/warranty

LISTINGS & CERTIFICATIONS

- UL listed.
- RoHS compliant.
- IC rated for insulated ceilings.
- UL listed for damp locations.
- DesignLights™ Consortium Premium.

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TECHNICAL SPECS

SIZE	WATTS	LUMEN OUTPUT	EFFICACY	PART NUMBER
1x4	24	3,000	125	AD20L-A1-03K-14-40-80-FR-LV-GRID-DTO
	32	4,000	125	AD20L-A1-04K-14-40-80-FR-LV-GRID-DTO
	40	5,000	125	AD20L-A1-05K-14-40-80-FR-LV-GRID-DTO
2x2	24	3,000	125	AD20L-A1-03K-22-40-80-FR-LV-GRID-DTO
	32	4,000	125	AD20L-A1-04K-22-40-80-FR-LV-GRID-DTO
	40	5,000	125	AD20L-A1-50K-22-40-80-FR-LV-GRID-DTO
2x4	24	3,000	125	AD20L-A1-03K-24-40-80-FR-LV-GRID-DTO
	32	4,000	125	AD20L-A1-04K-24-40-80-FR-LV-GRID-DTO
	40	5,000	125	AD20L-A1-05K-24-40-80-FR-LV-GRID-DTO
	48	6,000	125	AD20L-A1-06K-24-40-80-FR-LV-GRID-DTO

Typical lumen output (±10%) at 5000K CCT and 277V (LV) under 25°C ambient temperature.

ORDERING

SERIES MODEL - COMPLIANCE - WATTS - SIZE	
AD20L-A1-03K-14	AD20L-A1-05K-14
AD20L-A1-03K-22	AD20L-A1-05K-22
AD20L-A1-03K-24	AD20L-A1-05K-24
AD20L-A1-04K-14	AD20L-A1-06K-24
AD20L-A1-04K-22	
AD20L-A1-04K-24	

COLOR TEMP
35 3500K
40 4000K

CRI
80 80+ CRI

LENS
FR Frosted lens

DRIVER
LV 120-277V (Lutron certified, compatible with Vive controls)
Contact factory for Lutron Hi-Lume, 1% LED driver

MOUNTING
GRID Retrofits troffers installed in grid ceilings

CONTROLS
VDO Vive integral fixture controller with sensor

DIMMING
DTO Dim-to-Off

Ordering Example: AD20L-A1-04K-22-40-80-FR-LV-GRID-VDO-DTO

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ACCESSORIES

Must be ordered separately. Packaged separately.

FIXTURE ACCESSORIES		
Part Number	**Type**	**Description**
AD2-EMB-09W	Battery Backup	Emergency Backup Driver with Battery, 9 Watts output for >90 minutes. Simple Wiring, Metal Conduit. Field installed.

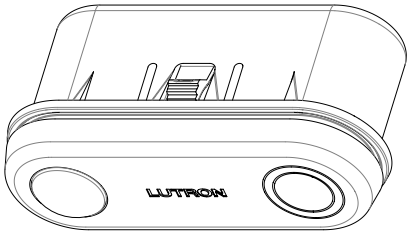
LIGHTING CONTROLS

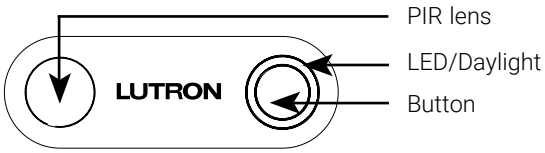
Vive Integral Fixture Controller with Sensor (VDO)

The fixture controller with occupancy/daylight sensor and RF-only fixture controller mount directly to a fixture.

The sensor measures light in the space (daylighting) while detecting people moving within an area to determine passive infrared occupancy.

The sensor controls the lights to balance light level in the space, combining convenience, exceptional energy savings, and ease of installation.





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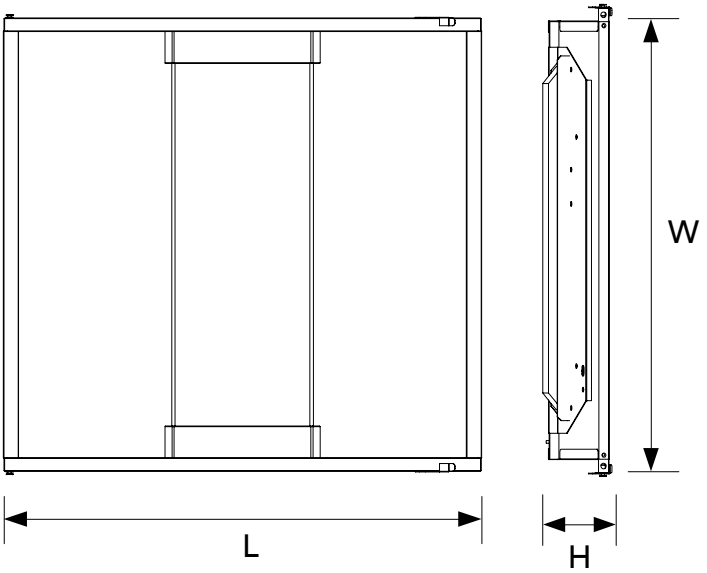
DIMENSIONS & DRAWINGS



Size	L	W	H	Weight
1x4	45.39”	10.91”	1.97”	~3.2 lbs
2x2	21.42”	22.20”	1.97”	~3.1 lbs
2x4	45.39”	22.20”	1.97”	~6.2 lbs

Dimension tolerances: ± 0.1". Weights are approximate, if weight is a concern, please contact factory.

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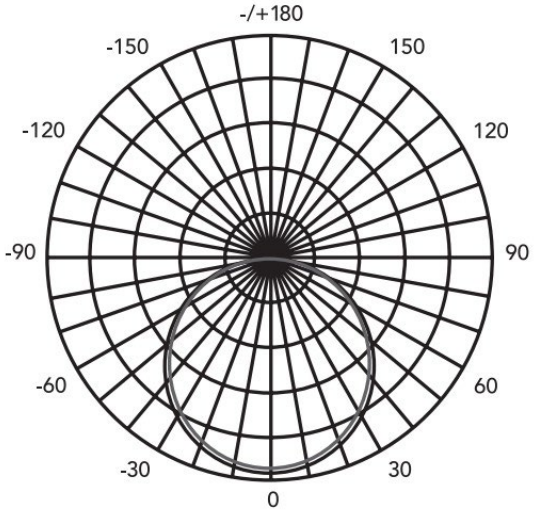
PHOTOMETRY



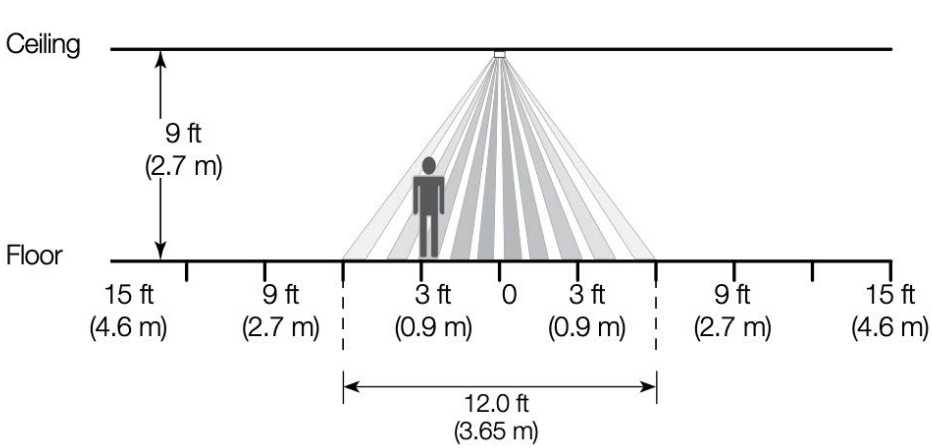
AVERAGE BEAM ANGLE (50%) :114.3 DEG

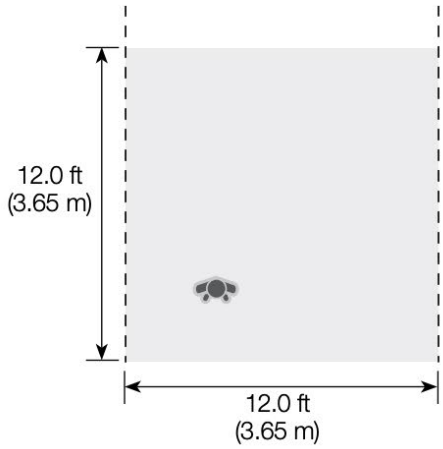
LAMBERTIAN

SENSOR COVERAGE

XCT Sensing Technology

XCT Sensing uses sophisticated signal processing to maximizing the performance of our sensors, guaranteeing the most accurate sensing technology. Vive Wireless Hub must be within 71 ft (22 m (through construction) from all connected wireless devices.





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LinmoreLED
ULTRA PERFORMANCE LIGHTING

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