

# Top Access Cleanroom Walkable Luminaire: KL-WALKF2-LED

1x4, 2x2, & 2x4 Recessed Luminaire with Top Access for **2" Walkable Ceilings**

- ✓ **Recessed Top Access Design for 2" Walkable Ceilings**
- ✓ **Certified to Withstand a Direct Static Load of 250lbs**
- ✓ **Zero Trip Hazards with Flush Access Panel on Service Side**
- ✓ **Accommodates 2" (50mm) Prefab Modular Panels**
- ✓ **Smooth Doorframe with no Exposed Fasteners**
- ✓ **Tested & Approved for Use in ISO5 - ISO9 Cleanrooms**
- ✓ **Removable Top Cover Ensures Environmental Seal is Maintained**
- ✓ **B.A.A. & B.A.B.A Compliant**
- ✓ **Made in the USA by a Family Owned US Corporation**



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## ORDERING GUIDE

Series	Housing Material	Door Frame Material	Size	RQ	LED Type	CCT/CRI	Voltage	Optics	Options	
<b>KL-WALKF2</b>	<b>1</b>						<b>UNV</b>			
Series	Housing Material	Door Frame Material	Size	Light Source			Voltage	Optics	Options	
				Row Qty	LED Type	CCT/CRI				
<b>KL-WALKF2</b>	<b>1</b> Cold Rolled Steel	<b>1</b> Cold Rolled Steel	<b>1x4</b> 1' x 4' Housing	<b>2</b>	<b>LEDR</b> = Low Output	<b>835</b> = 80 CRI; 3500K	<b>UNV</b> 120-277VAC	<b>FROST</b> 1/8" Frost Acrylic Lens	<b>FC</b> Fuse + Fuse Holder	
		<b>2</b> 304 Stainless Steel		<b>3</b>	<b>LEDH</b> = High Output	<b>840</b> = 80 CRI; 4000K				<b>EM10</b> Remote 10W Battery
		<b>3</b> 316 Stainless Steel	<b>2x2</b> 2' x 2' Housing	<b>2</b>		<b>850</b> = 80 CRI; 5000K				<b>EM20</b> Remote 20W Battery
				<b>4</b>		<b>935</b> = 90 CRI; 3500K				<b>10KV</b> 10KV Parallel Surge Protection
			<b>2x4</b> 2' x 4' Housing	<b>4</b>		<b>940</b> = 90 CRI; 4000K				<b>PxL</b> Program To User Specified Lumens
				<b>6</b>		<b>950</b> = 90 CRI; 5000K				<b>PxW</b> Program To User Specified Watts
							<b>AMW</b> Anti-Microbial Powdercoat	<b>LCORD</b> 2 Pc Locking Cordset (Provide Specs)		
								<b>FZNC</b> NSF2 Food Zone Non Contact		
								<b>WHT</b> White Finished Door & Hsg		

Ordering Notes, If Applicable

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## SPECIFICATIONS

**TOP COVER:** Constructed of 18ga steel with reinforcement braces to withstand intentional walk on loads up to 250lbs without damage to the luminaire. The top cover is the removable and replaceable from the service side of the walkable ceiling and has all of the electronic components.

**HOUSING:** Sturdy 16ga steel housing is designed to support the load on the top cover while additionally clamping the ceiling with the door frame.

**DOOR FRAME:** Overlapping style trim flange made from 16Ga powdercoated cold rolled steel or 16Ga polished 304 stainless steel. The trim frame is secured to the housing by 8-32 screws that are only accessible from the plenum side of the ceiling. There are no exposed fasteners on the room side.

**OPTICS:** Standard frost acrylic lens is provided when no other options are selected. All prismatic lensing options come with an inverted lens so the smooth side faces the room for easy cleaning. All optics are sealed to the door with NSF listed RTV silicone sealant. Other optics are available, consult factory for more information or options not listed.

**FINISH:** Stainless steel door frames are satin polished unless WHT or AMW options are selected. All other materials are provided with gloss high reflectance white polyester powdercoat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat to all exposed surfaces.

**ELECTRONICS:** Commercially available in a wide variety of Color Temperature (CCT), FLUX, and CRI. Highly efficient and consistent color maintained to 3 SDMC for color critical applications. B50/L70 and compliant with Zhaga recognized hole patterns. Drivers are class 2 UL Listed and factory programmable. The factory programmable 0-10v 5% dimming power supplies are intended for industrial applications and come with built in 6kv surge protection. Consult factory for options not listed on spec sheet for availability.

**LISTINGS & PERFORMANCE:** IP66 rated for dust and water ingress & suitable for 1700 PSI high pressure hoedowns. Suitable for use in ISO5-9 Cleanrooms. ETL listed to UL1598 wet location. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

## ENERGY DATA

KL-WALKF2-LED										
ENCLOSURE SIZE	LIGHT PACKAGE	80 CRI (3000K - 5000K)				90 CRI (3500K, 4000K)				STANDARD DIMMING
		LUMENS	WATTS <sup>2</sup>	EFFICACY <sup>3</sup>	MAX AMB TEMP	LUMENS	WATTS <sup>2</sup>	EFFICACY <sup>3</sup>	MAX AMB TEMP <sup>4</sup>	
1X4	2/LEDR	4,539	37	124	40°C (104°F)	4,312	37	118	40°C (104°F)	0-10V 1%
1X4	3/LEDR	6,808	53	128	40°C (104°F)	6,468	53	122	40°C (104°F)	0-10V 1%
1X4	2/LEDH	6,827	52	131	40°C (104°F)	6,486	52	124	40°C (104°F)	0-10V 1%
1X4	3/LEDH	10,241	77	134	40°C (104°F)	9,729	77	127	40°C (104°F)	0-10V 1%
2X2	2/LEDR	2,269	20	112	40°C (104°F)	2,156	20	106	40°C (104°F)	0-10V 1%
2X2	2/LEDH	4,516	37	123	40°C (104°F)	4,290	37	117	40°C (104°F)	0-10V 1%
2X2	4/LEDR	4,539	37	124	40°C (104°F)	4,312	37	118	40°C (104°F)	0-10V 1%
2X2	6/LEDR	6,808	53	128	40°C (104°F)	6,468	53	122	40°C (104°F)	0-10V 1%
2X2	4/LEDH	9,031	70	130	40°C (104°F)	8,579	70	123	40°C (104°F)	0-10V 1%
2X2	6/LEDH	13,547	103	132	40°C (104°F)	12,870	103	125	40°C (104°F)	0-10V 1%
2X4	2/LEDR	4,539	37	124	40°C (104°F)	4,312	37	118	40°C (104°F)	0-10V 1%
2X4	2/LEDH	6,827	52	131	40°C (104°F)	6,486	52	124	40°C (104°F)	0-10V 1%
2X4	4/LEDR	9,077	70	130	40°C (104°F)	8,623	70	124	40°C (104°F)	0-10V 1%
2X4	6/LEDR	13,615	103	132	40°C (104°F)	12,934	103	126	40°C (104°F)	0-10V 1%
2X4	4/LEDH	13,655	101	135	40°C (104°F)	12,972	101	128	40°C (104°F)	0-10V 1%
2X4	6/LEDH	20,482	154	133	40°C (104°F)	19,458	154	127	40°C (104°F)	0-10V 1%

<sup>1</sup> DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @ 25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OPTIONS ARE CHOSEN

<sup>2</sup> WATTAGE IS MEASURED WITH 4000K SELECTION @ 120VAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS

<sup>3</sup> EFFICACY CALCULATED USING 4000K CCT DATA.

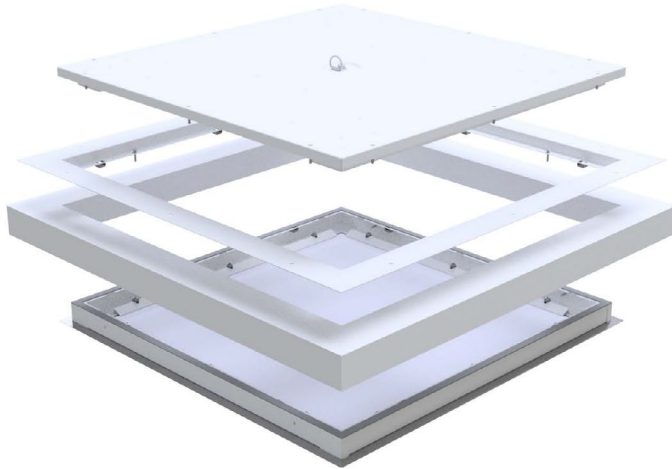
<sup>4</sup> MAX AMBIENT TEMP RATING, NON-IC INSTALLATION. TEMP RATING MAY VARY WITH SPECIFIED DRIVERS OR ANY NON-STANDARD SELECTION

<sup>5</sup> 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY.

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## PRODUCT DRAWINGS



EXPLODED VIEW



TOP VIEW



BOTTOM VIEW

## DIMENSIONAL DATA

CS-WALKF2 LED REFERENCE DIMENSIONS									
SIZE	A	B	C	D	E	F	G	H	I
1X4	13.63"	49.31"	17.29"	52.97"	50.37"	14.69"	49.09"	13.41"	2.00"
2X2	25.06"	25.06"	28.75"	28.75"	26.13"	26.13"	24.85"	24.85"	2.00"
2X4	25.06"	49.31"	28.75"	52.97"	26.13"	26.13"	49.09"	24.85"	2.00"

\*DIMENSION SHOWN ARE IN INCHES

