

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

FieldSELECT™

- Easily change the color temperature on-site with FieldSELECT technology
- Three switchable CCT settings provide ultimate flexibility – 3000K, 3500K and 4000K
- Low-profile depth for shallow plenum applications
- Diffuse lens provides smooth illumination for visual comfort
- Air return capability reduces number of unsightly ceiling vents for a cleaner appearance
- High-performance up to 127 lm/W
- Rated for direct contact with insulation
- ISO 5-9 and IP5X rated for cleanroom applications
- Made Right Here® in the USA

SPECIFICATIONS

- **HOUSING/REFLECTOR** – Precision die-formed 22-gauge C.R.S.
- **SHIELDING** – Frosted acrylic.
- **FINISH** – Highly reflective non-glare matte white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- **ELECTRICAL** – High-quality mid-power LED boards with switchable CCT – 3000K, 3500K, and 4000K. L70 >50,000 hours. FieldSELECT products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdams ellipses.
- **MOUNTING** – NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Drywall flange kits available, shipped separately, see options.
- **LISTINGS** –
 - cCSAus certified as luminaire suitable for dry locations.
 - IC-rated for direct contact with insulation.
 - IP5X rated.
 - ISO 5-9 rated.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: LT - 2 4 - L65/8FS - AF - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES		WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
LT	Static	1 1' ^[3]	2 2' ^[4]	1x4	8 80	FS FieldSELECT 3000K, 3500K, 4000K ^[5]	AF Frosted acrylic
LT-AR	Air Return ^[2]	2 2'	4 4'	L26 2,600lm L38 3,800lm L51 5,100lm 2x2 L24 2,400lm L37 3,700lm 2x4 L39 3,900lm L57 5,700lm L65 6,500lm			
OPTIONS ^[6]				CONTROL ^[7]		DRIVER	
EM/10W	10-watt emergency battery			See page 4 for ADDITIONAL CONTROL OPTIONS.		See page 4 for ADDITIONAL DRIVER OPTIONS.	
EM/12W	12-watt emergency battery ^[8]						
CP	Chicago Plenum (CCEA)			– None			
EQCLIPS	Earthquake clips ^[9]			VDO Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OC) ^[10]		DIM Dimming driver	
DFK-1248W	Drywall kit, 12" x 48", white			VRF Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) ^[11]		DRV Non-dimming driver	
DFK-2424W	Drywall kit, 24" x 24", white					DSR Sensor-ready driver ^[12]	
DFK-2448W	Drywall kit, 24" x 48", white						
						VOLTAGE	
						120 120V	
						277 277V	
						UNV 120-277V	
						347 347V ^[13]	

NOTES

- ¹ Lumens based on 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- ² Air return through side slots. Not available with CP option. Not qualified for IP5X, ISO 5-9, or IC ratings.
- ³ 4' length only.
- ⁴ 2' width only.
- ⁵ See page 2 for FIELDSELECT DETAILS.
- ⁶ See page 3 for FLEXIBLE WHIP OPTIONS. See page 3 for DRYWALL KIT (DFK) OPTIONS. See Technical Info for Power Entry details.
- ⁷ See page 3 for SENSOR PLACEMENT DETAILS.
- ⁸ Not available when CEC regulations are required.
- ⁹ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting; LT is compatible with Williams earthquake clips only.
- ¹⁰ DSR or LDE Drivers only. LDE drivers require driver interface.
- ¹¹ DSR or LDE Drivers only. LDE drivers require driver interface.
- ¹² VDO and VRF Controls only.
- ¹³ Not available with EM batteries.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L26	2566	19.8	130
	L38	3797	30.8	123
	L51	5134	42.6	121
2x2	L24	2430	20.8	117
	L37	3718	30.9	120
	L39	3878	30.8	126
2x4	L57	5763	47.3	122
	L65	6551	54.8	120

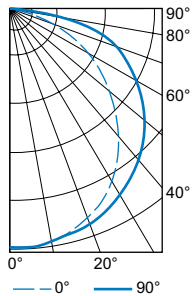
MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
3000K	0.94
3500K	1.00
4000K	0.95

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

PHOTOMETRY

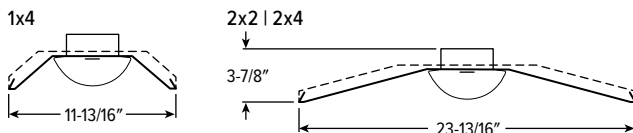
LT-24-L65/8FS-AF-DIM-UNV_3500K Total Luminaire Output: 6551 lumens; 55 Watts | Efficacy: 119 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2046	2046	2046	
5	2068	2031	2031	194
15	1993	1969	1986	558
25	1830	1845	1891	855
35	1604	1670	1751	1047
45	1307	1446	1572	1112
55	994	1197	1355	1057
65	662	932	1127	894
75	296	646	839	629
85	44	216	176	205
90	0	0	0	

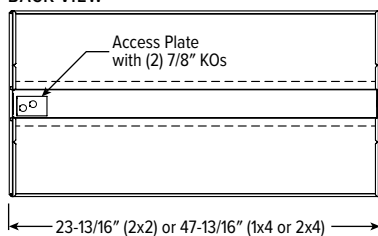
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1607	25
	0 - 40	2654	41
	0 - 60	4823	74
	0 - 90	6551	100
	0 - 180	6551	100

CROSS SECTIONS

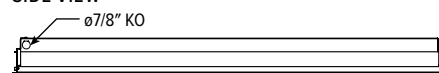


FIXTURE DETAILS

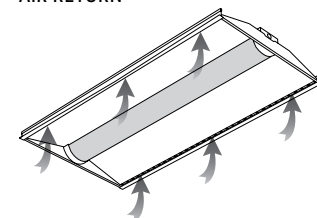
BACK VIEW



SIDE VIEW



AIR RETURN



Total Air Return Space: 12-1/2" sq. (2x2) and 25-1/2" sq. (1x4 and 2x4)

FIELDSELECT DETAILS



FLEXIBLE WHIP OPTIONS

All Williams recessed troffers are available with a flexible metallic wiring harness, factory-attached and hard-wired to the luminaire. See ordering information table.

Straight connectors are a snap-in type. Consult factory for wiring harness utilizing connectors secured by lock nuts, optional flex size, lengths, and other wire sizes or circuitry. Three-wire flex utilizes black, white, and green wire. Four-wire flex utilizes black, white, red, and green wire. Adding an emergency option requires an additional wire.

Williams fixtures are UL listed to provide factory-installation of several manufacturers' modular wiring devices. Consult factory for availability and ordering information.

DESIGNATION	DESCRIPTION	DRIVER
F338	6' of 3/8" flex, (3) No. 18 AWG wires with (2) straight connectors	DRV, LTE LINE
F348	6' of 3/8" flex, (4) No. 18 AWG wires with (2) straight connectors	SD40
F334	6' of 3/8" flex, (3) No. 14 AWG wires with (2) straight connectors	DRV, LTE LINE
F344	6' of 3/8" flex, (4) No. 14 AWG wires with (2) straight connectors	SD40
F358	6' of 3/8" flex, (5) #18 AWG wires with (2) straight connectors	DIM, DALI

DRYWALL KIT (DFK) OPTIONS

ORDERING INFO

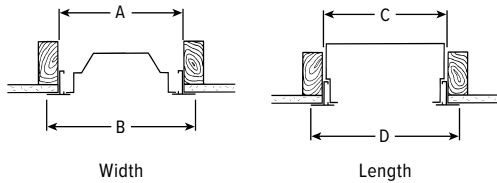
EXAMPLE: DFK - 24 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall kit	12 1'	48 4'	W White AMW Anti-microbial white
	24 2'	24 2'	
	24 2'	48 4'	

INSTALLATION DIMENSIONS

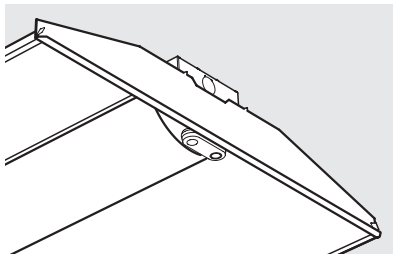
NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
	WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
1' x 4'	12-3/8"	48-3/8"	13-5/16"	49-5/16"
2' x 2'	24-3/8"	24-3/8"	25-5/16"	25-5/16"
2' x 4'	24-3/8"	48-3/8"	25-5/16"	49-5/16"

TYPICAL INSTALLATION

Refer to table for dimensions.



SENSOR PLACEMENT DETAILS



SEE NEXT PAGE FOR ADDITIONAL CONTROL OPTIONS.



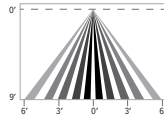
ADDITIONAL CONTROL OPTIONS

VDO Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC). DSR or LDE Drivers only. LDE drivers require driver interface

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)
MANUFACTURER	Lutron

SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

SENSOR DETAIL



Dimensions: 2-11/16" x 1"

VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF/DBI	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver

ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DSR	Sensor-ready driver (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

