

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- 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
- Surface mount kit preserves continuity
- Maximize energy savings with efficacies as high as 140 lm/W
- 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. L80 >60,000 hours.
- MOUNTING – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Surface mount and drywall kit accessories available, shipped separately, see options.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - DesignLights Consortium Premium qualified product. Not all versions of this product may be DLC Premium qualified, see the DLC Qualified Products List at www.designlights.org/QPL.
 - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: LT - 24 - L52/835 - 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	27 2700K	AF Frosted acrylic
LT-AR Air Return ^[2]	2 2'	4 4'	L28 2,800lm	9 90 ^[5]	30 3000K	
			L47 4,700lm		35 3500K	
			L63 6,300lm		40 4000K	
			2x2		50 5000K	
			L27 2,700lm			
			L39 3,900lm			
			L49 4,900lm			

OPTIONS ^[6]

- EM/7WRM** Remote mount 7-watt emergency battery
- EM/10W** 10-watt emergency battery
- EM/12W** 12-watt emergency battery
- EQCLIPS** Earthquake clips ^[8]
- (L...)** Additional lower lumen packages available. ^[9]
Example: 5,800 lumens = LT-24-L64/840-(L58)
- CP** Chicago Plenum (CCEA)
- LT-14-SMK-W** Surface mount kit, 1'x4', white
- LT-22-SMK-W** Surface mount kit, 2'x2', white
- LT-24-SMK-W** Surface mount kit, 2'x4', white
- DFK-1248W** Drywall kit, 12" x 48", white
- DFK-2424W** Drywall kit, 24" x 24", white
- DFK-2448W** Drywall kit, 24" x 48", white
- ZLS0R-RA1** Remote controller for Leviton sensor ZLS05 ^[10]

CONTROL ^[7]

- None
- VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OC) ^[11]
- VRF** Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) ^[12]
- LV-ZLS05-ILW** Leviton PIR motion and daylight sensor ^[13]

DRIVER ^[14]

DRIVER	VOLTAGE
DIM Dimming driver	120 120V
DRV Non-dimming driver	277 277V
DA Dimming driver with 12V auxiliary ^[15]	UNV 120-277V
DSR Sensor-ready driver ^[16]	347 347V ^[17]

QUICKSHIP

1x4	2x2	2x4
LT-14-L47/835-AF-QS-DIM-UNV	LT-22-L39/835-AF-QS-DIM-UNV	LT-24-L40/835-AF-QS-DIM-UNV
LT-14-L47/840-AF-QS-DIM-UNV	LT-22-L39/840-AF-QS-DIM-UNV	LT-24-L40/840-AF-QS-DIM-UNV
		LT-24-L64/835-AF-QS-DIM-UNV
		LT-24-L64/840-AF-QS-DIM-UNV

NOTES

- ¹ Lumens based on 3500 CCT. Actual lumens 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 surface mount or CP option.
- ³ 4' length only.
- ⁴ 2' width only.
- ⁵ Extended lead times may apply. Consult factory for availability.
- ⁶ See page 4 for FLEXIBLE WHIP OPTIONS. See page 4 for SURFACE MOUNT KIT DETAILS. See page 5 for DRYWALL KIT (DFK) OPTIONS. See Technical Info for [Power Entry](#) details.
- ⁷ See page 3 for CONTROL DETAILS.
- ⁸ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting; LT is compatible with Williams earthquake clips only.
- ⁹ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ¹⁰ Please specify quantity required per project, ordered separately.
- ¹¹ DSR or LDE Drivers only. LDE drivers require driver interface.
- ¹² DSR or LDE Drivers only. LDE drivers require driver interface.
- ¹³ DA Driver only. Adjustable via remote. Optional ZLS0R-RA1 remote controller available, ordered separately, see options.
- ¹⁴ See page 2 for ADDITIONAL DRIVER OPTIONS.
- ¹⁵ LV-ZLS05 Control only.
- ¹⁶ VDO and VRF Controls only.
- ¹⁷ Not available with EM batteries.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L28	2814	21.4	131.6
	L47	4677	33.7	138.7
	L63	6261	48.5	129.1
2x2	L27	2722	21.3	127.8
	L39	3934	33.1	118.7
	L49	4869	38.1	127.7
2x4	L40	3972	32.0	124.1
	L52	5202	37.2	140.0
	L64	6396	48.5	131.9
	L82	8214	64.3	127.7

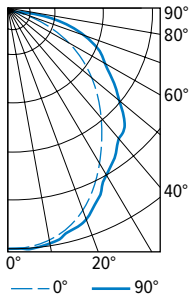
MULTIPLIER TABLE

		COLOR TEMPERATURE	
		CCT	CONVERSION FACTOR
80 CRI	2700K		0.97
	3000K		0.99
	3500K		1.00
	4000K		1.03
90 CRI	5000K		1.06
	2700K		0.80
	3000K		0.82
	3500K		0.83
	4000K		0.86
	5000K		0.89

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

LT-24-L52/835-AF-DIM-UNV Total Luminaire Output: 5202 lumens; 37 Watts | Efficacy: 141 lm/W | 82 CRI; 3043 K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1851	1851	1851	
	5	1843	1844	1846	175
	15	1745	1761	1779	499
	25	1544	1589	1636	730
	35	1276	1359	1440	848
	45	1055	1193	1315	902
	55	741	902	1044	802
	65	480	667	817	647
	75	241	429	544	438
	85	70	174	159	161
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1404	27
	0 - 40	2252	43
	0 - 60	3955	76
	0 - 90	5202	100
	0 - 180	5202	100

ADDITIONAL DRIVER OPTIONS

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

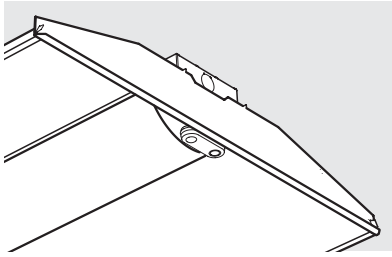
CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Dimming driver with 12V auxiliary
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls



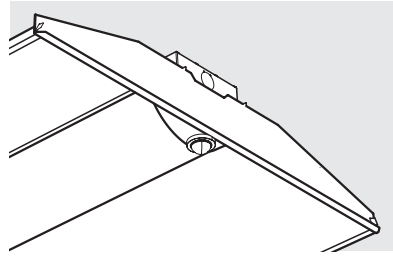
CONTROL DETAILS

SENSOR PLACEMENT

VDO



LV-ZLS05

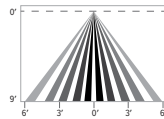


VDO

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

VIVE CONTROL OPTIONS

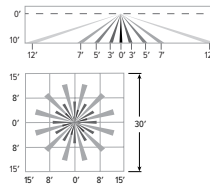
CATALOG NUMBER	DESCRIPTION
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO/DBI	Lutron Vive integral fixture control,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

LV-ZLS05-ILW

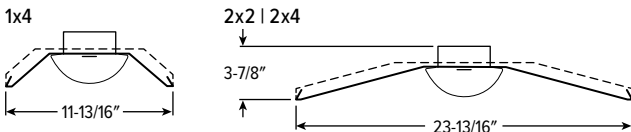
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	120°
TEMPERATURE RANGE	-20° to 70°C
COMMISSIONING	DIP switches or optional remote: ZLSOR-RA1
MANUFACTURER	Leviton

SENSOR COVERAGE PATTERNS

10' height: ø24' coverage

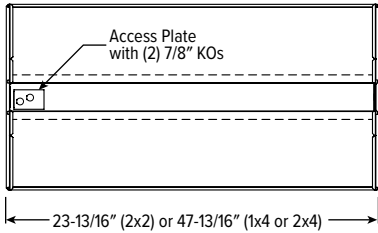


CROSS SECTIONS

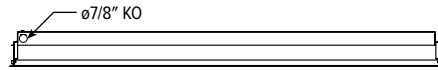


FIXTURE DETAILS

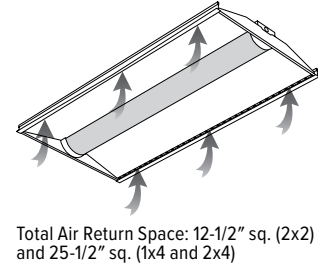
BACK VIEW



SIDE VIEW



AIR RETURN

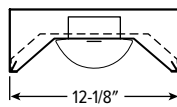


SURFACE MOUNT KIT DETAILS

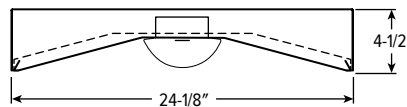


CROSS SECTIONS

1x4

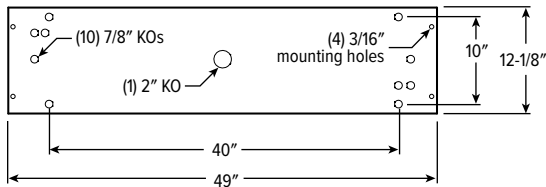


2x2 | 2x4

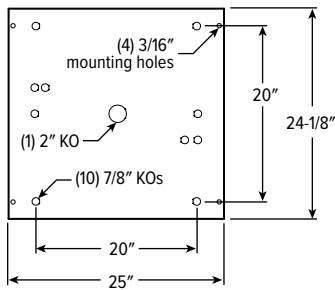


BACK VIEWS

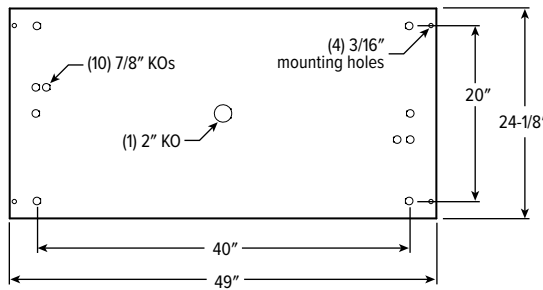
1x4



2x2



2x4



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

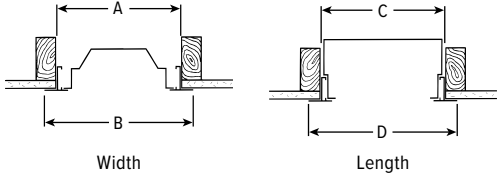


DRYWALL KIT (DFK) OPTIONS

ORDERING EXAMPLE: DFK - 24 24 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall Kit	See table below	See table below	W White AMW Anti-microbial white

TYPICAL INSTALLATION

Refer to table for dimensions.



CATALOG NUMBER	NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
		WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
DFK-1248	1' x 4'	12-3/8"	48-3/8"	13-5/16"	49-5/16"
DFK-2424	2' x 2'	24-3/8"	24-3/8"	25-5/16"	25-5/16"
DFK-2448	2' x 4'	24-3/8"	48-3/8"	25-5/16"	49-5/16"

