

CATALOG #: \_\_\_\_\_

Type: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Gently curved aperture provides soft, even illumination
- Slim 3-3/4" depth for shallow plenum applications
- Easy to install without the use of tools
- Seamless design prevents light leak
- PMMA lens reduces the risk of yellowing from UV exposure
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – Die-formed steel with extruded aluminum side rails.
- OPTICS** – Edge-lit PMMA light guide panel.
- FINISH** – 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 >50,000 hours.
- MOUNTING** – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Drywall kit accessories available for flange applications, shipped separately, see options.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - IC-rated for direct contact with insulation.
  - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY** – 5-year limited fixture warranty, see [hew.com/warranty](http://hew.com/warranty).

## ORDERING EXAMPLE: AP - 22 - L40/835 - OPTIONS - CONTROL - DIM - UNV

### ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	OPTIONS <sup>[2]</sup>
AP	2 2'	2 2' 4 4'	2x2	8 80	30 3000K	EM/10W 10-watt emergency battery
			L30 3,000lm		35 3500K	DFK-2424W Drywall kit, 24" x 24", white <sup>[3]</sup>
			L40 4,000lm		40 4000K	DFK-2448W Drywall kit, 24" x 48", white <sup>[4]</sup>
			L50 5,000lm		50 5000K	EQCLIPS Earthquake clips <sup>[5]</sup>
			2x4		AP-22-SMK-W Surface mount kit, 2'x2', white	
			L30 3,000lm		AP-24-SMK-W Surface mount kit, 2'x4', white	
			L50 5,000lm		CP Chicago Plenum (CCEA)	
L70 7,000lm						

CONTROL <sup>[6]</sup>	DRIVER <sup>[7]</sup>	VOLTAGE
– None	<b>DIM</b> Dimming driver	<b>120</b> 120V
<b>VDO</b> Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>[8]</sup>	<b>DRV</b> Non-dimming driver	<b>277</b> 277V
<b>VRF</b> Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>[9]</sup>	<b>DSR</b> Sensor-ready driver without external dimming wires <sup>[10]</sup>	<b>UNV</b> 120-277V
		<b>347</b> 347V <sup>[11]</sup>

## NOTES

- Lumens based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- See page 3 for FLEXIBLE WHIP OPTIONS. See page 4 for SURFACE MOUNT KIT DETAILS.
- See page 3 for DRYWALL KIT (DFK) OPTIONS. DFK and AP housing colors are not identical.
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- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- See page 2 for CONTROL DETAILS.
- See page 3 for ADDITIONAL DRIVER OPTIONS.
- DSR or LDE Drivers only. LDE drivers require driver interface.
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- VDO and VRF Controls only.
- Not available with EM batteries.



## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L30	3341	28.6	116.8
	L40	4102	35.6	115.2
	L50	5005	45.7	109.5
2x4	L30	3101	25.7	120.7
	L50	5060	44.0	115.0
	L70	7261	66.1	109.8

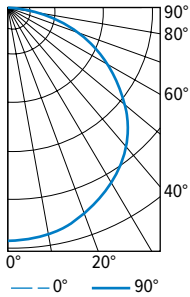
## MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## PHOTOMETRY

AP-24-L50/835 Total Luminaire Output: 5060 lumens; 44.0 Watts | Efficacy: 115.0 lm/W | 80 CRI; 3500K CCT

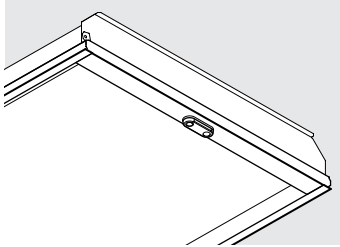


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1742	1742	1742	
	5	1730	1735	1738	165
	15	1671	1673	1674	472
	25	1558	1555	1553	717
	35	1392	1385	1382	867
	45	1181	1170	1166	904
	55	933	919	913	823
	65	653	642	635	635
	75	366	353	351	376
	85	89	86	91	101
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1354	27
	0 - 40	2221	44
	0 - 60	3947	78
	0 - 90	5060	100
	0 - 180	5060	100

## CONTROL DETAILS

### SENSOR PLACEMENT

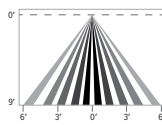


## VDO

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

### SENSOR DETAIL



## 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



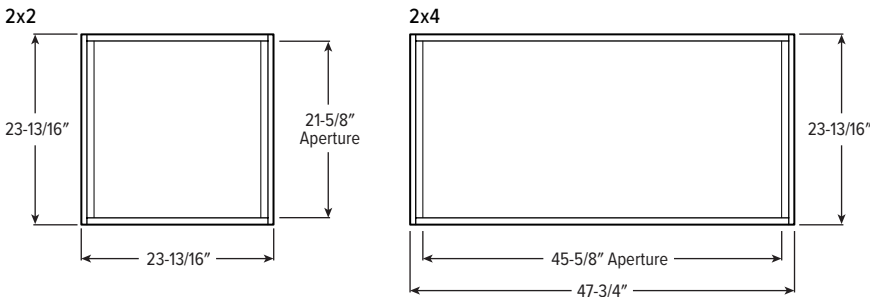
## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

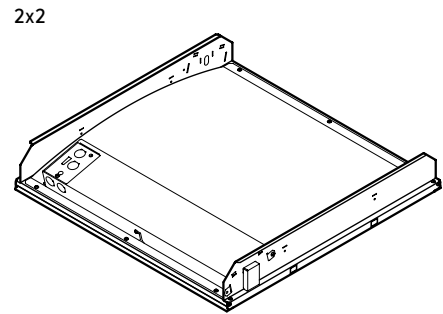
CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DSR	Sensor-ready driver
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

## FIXTURE DETAILS

Bottom View



Back View



## 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.

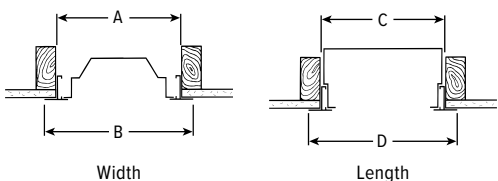
DESIGNATION	DESCRIPTION	DRIVER
F338	6' of 3/8" flex, (3) No. 18 AWG wires with (2) straight connectors	DRV, LTE LINE
F348	6' of 3/8" flex, (4) No. 18 AWG wires with (2) straight connectors	SD40
F334	6' of 3/8" flex, (3) No. 14 AWG wires with (2) straight connectors	DRV, LTE LINE
F344	6' of 3/8" flex, (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 48 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.



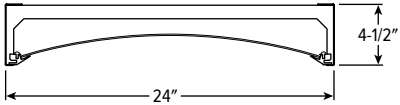
CATALOG NUMBER	NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
		WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
DFK-2424	2' x 2'	24-3/8"	24-3/8"	25-5/16"	25-5/16"
DFK-2448	2' x 4'	24-3/8"	48-3/8"	25-5/16"	49-5/16"



**SURFACE MOUNT KIT DETAILS**

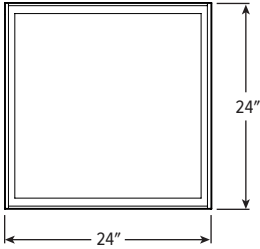


**CROSS SECTIONS**



**BACK VIEWS**

2x2



2x4

