

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Easily change the color temperature on-site with FieldSELECT technology
- Three switchable CCT settings provide ultimate flexibility – 3000K, 3500K and 4000K
- Room-side access
- Ultra slim 2-3/8" for minimal plenum space
- Uniform ambient illumination
- Companion surface and retrofit kit preserve continuity, see hew.com
- High-performance up to 123 lm/W
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Round or square diffuse ribbed acrylic lens options enhance the space
- Made Right Here® in the USA

SPECIFICATIONS

- **HOUSING/REFLECTOR** – Precision die-formed 22-gauge C.R.S.
- **SHIELDING** – Diffuse ribbed 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" 15/16" or 1" grid 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.
 - 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: PT - 2 4 - L62/8FS - RA - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
PT	1 1' ^[2]	2 2' ^[3]	1x4	8 80	FS FieldSELECT 3000K, 3500K, 4000K ^[4]	RA Diffuse ribbed acrylic, round SA Diffuse ribbed acrylic, square ^[5]
			L25 2,500lm			
			L37 3,700lm			
	2 2'	4 4'	L50 5,000lm			
			2x2			
			L24 2,400lm			
			L36 3,600lm			
			2x4			
			L37 3,700lm			
			L55 5,500lm			
			L62 6,200lm			

OPTIONS ^[6]

EM/10W	10-watt emergency battery ^[8]
EM/10WLP	Low-profile 10-watt emergency battery ^[9]
EM/12W	12-watt emergency battery ^[10]
EQCLIPS	Earthquake clips ^[11]
AMW	Anti-microbial white finish
CP	Chicago Plenum (CCEA)
DFK-1248W	Drywall kit, 12" x 48", white
DFK-2424W	Drywall kit, 24" x 24", white
DFK-2448W	Drywall kit, 24" x 48", white

CONTROL ^[7]

See page 4 for ADDITIONAL CONTROL OPTIONS.	
–	None
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) ^[12]
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) ^[13]

DRIVER

See page 4 for ADDITIONAL DRIVER OPTIONS.	
DIM	Dimming driver
DRV	Non-dimming driver
DSR	Sensor-ready driver ^[14]

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V ^[15]

NOTES

- ¹ Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² 4' length only.
- ³ 2' width only.
- ⁴ See page 3 for FIELDSELECT DETAILS.
- ⁵ Increases lumen output by 3%.
- ⁶ See page 3 for DRYWALL KIT (DFK) OPTIONS.
- ⁷ See page 4 for SENSOR PLACEMENT DETAILS.
- ⁸ 2x2 & 2x4 only.

- ⁹ 1x4 only.
- ¹⁰ 2x2 & 2x4 only. Not available when CEC regulations are required.
- ¹¹ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- ¹² DSR or LDE Drivers only. LDE drivers require driver interface.
- ¹³ DSR or LDE Drivers only. LDE drivers require driver interface.
- ¹⁴ VDO and VRF Controls only.
- ¹⁵ Not available with EM batteries.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L25	2441	19.8	123
	L37	3674	30.8	119
	L50	4968	42.6	117
2x2	L24	2378	20.8	114
	L36	3595	30.9	116
2x4	L37	3674	30.8	119
	L55	5460	47.3	115
	L62	6208	54.8	113

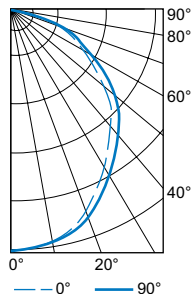
MULTIPLIER TABLE

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

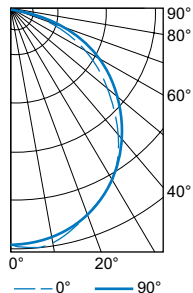
PT-24-L62/8FS-RA-DIM-UNV Total Luminaire Output: 6208 lumens: 55 Watts | Efficacy: 113 lm/W | 80 CRI: 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2375	2375	2375	
	5	2339	2336	2323	223
	15	2270	2278	2287	638
	25	2000	2027	2052	923
	35	1617	1668	1711	1041
	45	1314	1387	1458	1062
	55	956	1046	1130	938
	65	619	733	833	724
75	293	451	558	474	
85	60	199	228	186	
90	0	0	0		

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1784	29
	0 - 40	2825	46
	0 - 60	4825	78
	0 - 90	6208	100
	0 - 180	6208	100

PT-14-L50/8FS-RA-DIM-UNV Total Luminaire Output: 4969 lumens; 43 Watts | Efficacy: 116 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1811	1811	1811	
	5	1852	1831	1804	173
	15	1770	1765	1744	495
	25	1619	1627	1607	744
	35	1409	1427	1428	885
	45	1124	1173	1191	895
	55	804	884	921	785
	65	516	611	627	585
75	229	321	335	326	
85	35	58	68	80	
90	0	0	0		

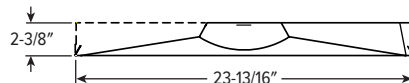
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1413	28
	0 - 40	2298	46
	0 - 60	3978	80
	0 - 90	4969	100
	0 - 180	4969	100

CROSS SECTIONS

RA

1x4

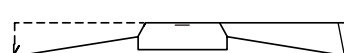
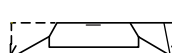
2x2 | 2x4



SA

1x4

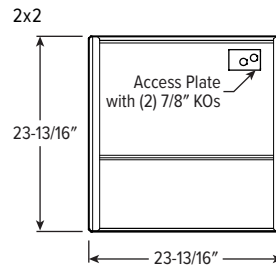
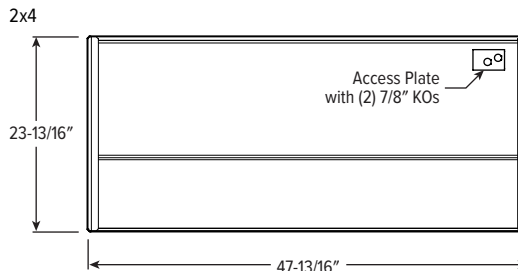
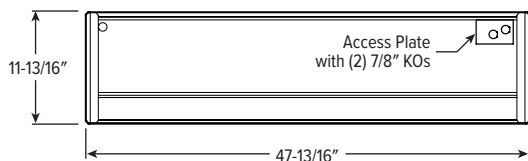
2x2 | 2x4

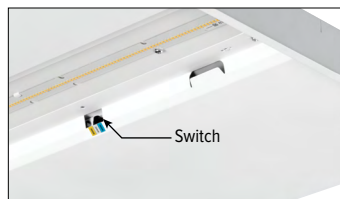


FIXTURE DETAILS

BACKVIEW

1x4





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

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

ORDERING INFO

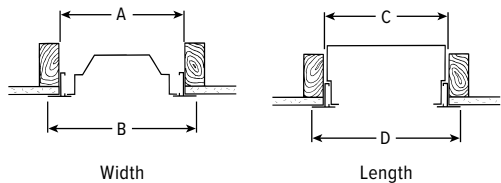
EXAMPLE: DFK - 24 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall kit	12 1'	48 4'	W White AMW Anti-microbial white
	24 2'	24 2'	
	24 2'	48 4'	

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"

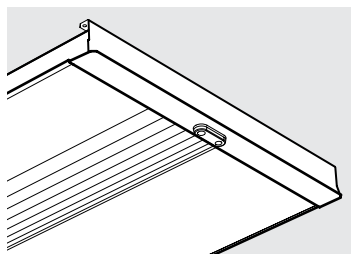
TYPICAL INSTALLATION

Refer to table for dimensions.



SEE NEXT PAGE FOR ADDITIONAL CONTROL OPTIONS

SENSOR PLACEMENT DETAILS



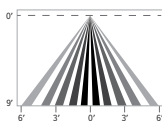
ADDITIONAL CONTROL OPTIONS

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