

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

TYPE: \_\_\_\_\_

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

**FEATURES**

- Easily change the color temperature on-site with fieldselecCCT<sup>®</sup> 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](http://hew.com)
- Maximize energy savings with efficacies up to 123 lm/W
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Made Right Here<sup>®</sup> 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. fieldselecCCT<sup>®</sup> 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 – 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 locations.
  - IC-rated for direct contact with insulation.
  - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: PT - 2 4 - L62/8FS - RA - OPTIONS - CONTROL - DIM - UNV**

**ORDERING INFO**

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

**OPTIONS <sup>[6]</sup>**

- EM/7W** 7-watt emergency LED battery <sup>[8]</sup>
- EM/7WRM** Remote mount 7-watt emergency battery
- EM/10W** 10-watt emergency battery <sup>[9]</sup>
- EM/10WLP** Low-profile 10-watt emergency battery <sup>[10]</sup>
- EM/12W** 12-watt emergency battery <sup>[11]</sup>
- EQCLIPS** Earthquake clips <sup>[12]</sup>
- 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 <sup>[7]</sup>**

- None
- VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>[13]</sup>
- VRF** Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>[14]</sup>

**DRIVER <sup>[15]</sup>**

DRIVER <sup>[15]</sup>	VOLTAGE
<b>DIM</b> Dimming driver	<b>120</b> 120V
<b>DRV</b> Non-dimming driver	<b>277</b> 277V
<b>DSR</b> Sensor-ready driver without external dimming wires <sup>[16]</sup>	<b>UNV</b> 120-277V <b>347</b> 347V <sup>[17]</sup>

**QUICKSHIP**

2x2	2x4
PT-22-L36/8FS-RA-QS-DIM-UNV	PT-24-L55/8FS-RA-QS-DIM-UNV

**NOTES**

- <sup>1</sup> Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- <sup>2</sup> 4' length only.
- <sup>3</sup> 2' width only.
- <sup>4</sup> See page 4 for fieldselecCCT DETAILS.
- <sup>5</sup> Increases lumen output by 3%.
- <sup>6</sup> See page 4 for DRYWALL KIT (DFK) OPTIONS.
- <sup>7</sup> See page 3 for CONTROL DETAILS.
- <sup>8</sup> 2x2 and 2x4 only.
- <sup>9</sup> 2x2 & 2x4 only.
- <sup>10</sup> 1x4 only.
- <sup>11</sup> 2x2 & 2x4 only.
- <sup>12</sup> 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- <sup>13</sup> DSR or LDE Drivers only. LDE drivers require driver interface.
- <sup>14</sup> DSR or LDE Drivers only. LDE drivers require driver interface.
- <sup>15</sup> See page 3 for ADDITIONAL DRIVER OPTIONS.
- <sup>16</sup> VDO and VRF Controls only.
- <sup>17</sup> Not available with EM batteries.



**FIXTURE PERFORMANCE DATA**

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L25	2441	19.8	123.2
	L37	3674	30.8	119.3
2x2	L50	4968	42.6	116.7
	L24	2378	20.8	114.3
2x4	L36	3595	30.9	116.5
	L37	3674	30.8	119.3
	L55	5460	47.3	115.5
	L62	6208	54.8	113.3

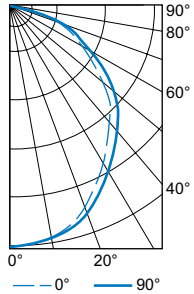
**MULTIPLIER TABLE**

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

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

**PHOTOMETRY**

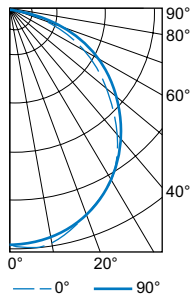
**PT-24-L62/8FS-RA-DIM-UNV** Total Luminaire Output: 6208 lumens; 55 Watts | Efficacy: 113 lm/W | 80 CRI; 3500K CCT



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

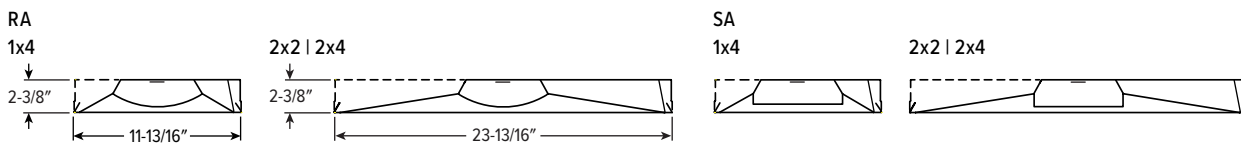
**PT-14-L50/8FS-RA-DIM-UNV** Total Luminaire Output: 4969 lumens; 43 Watts | Efficacy: 116 lm/W | 80 CRI; 3500K CCT



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	

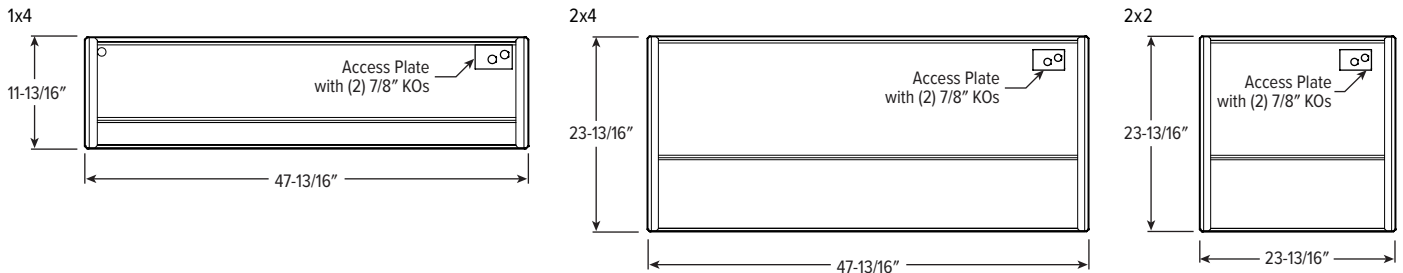
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1413	28
	0 - 40	2298	46
	0 - 60	3978	80
	0 - 90	4969	100
	0 - 180	4969	100

**CROSS SECTIONS**



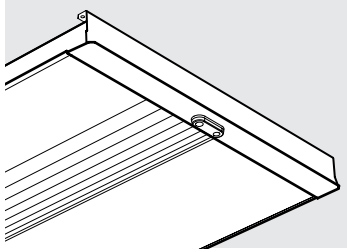
**FIXTURE DETAILS**

**BACKVIEW**



**CONTROL DETAILS**

**SENSOR PLACEMENT**

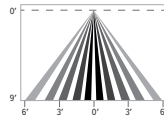


**VDO**

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

**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

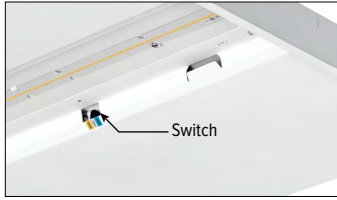
**ADDITIONAL DRIVER OPTIONS**

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



fieldselecCCT 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.

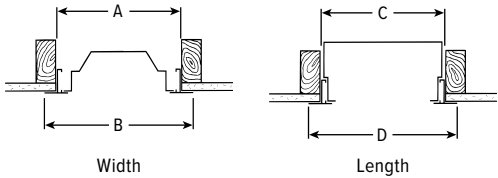
DESIGNATION	DESCRIPTION	DRIVER
F338	6' of 3/8" flex, (3) No. 18 AWG wires with (2) straight connectors	DRV, LTE LINE
F348	6' of 3/8" flex, (4) No. 18 AWG wires with (2) straight connectors	SD40
F334	6' of 3/8" flex, (3) No. 14 AWG wires with (2) straight connectors	DRV, LTE LINE
F344	6' of 3/8" flex, (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 EXAMPLE: DFK - 24 24 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall Kit	See table below	See table below	<b>W</b> White <b>AMW</b> 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"