

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- 3-7/16" deep housing installs easily within limited plenum space
- Gasketed door frame features offset mitered corners to eliminate light leaks
- Cam latches close securely and allow hassle-free maintenance
- Reversible door hinges and latches allow access on either side
- Deep reinforcement ribs provide added strength
- Integral T-bar clips quickly secure fixture to structure
- Maximize energy savings with efficacies as high as 137 lm/W
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 22-gauge die-formed C.R.S.
- DOOR FRAME – 22-gauge C.R.S., offset mitered corners, cam latches, and T-style hinges.
- SHIELDING – Frosted acrylic, pattern #12, .095" thick.
- FINISH – 92% minimum average reflective 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. L85 at 50,000 hours. 25°C maximum ambient operating temperature.
- MOUNTING – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Flange installation available, shipped separately; see page 3 for DRYWALL KIT (DFK) OPTIONS.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.^[19]
 - DesignLights Consortium qualified product. Not all versions of this product may be DLC 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: LPT - 2 4 - L90/835 - S AF12095 - OPTIONS - DIM - UNV

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	DOOR FRAME	SHIELDING
LPT	2 2'	2 2' ^[2]	2x2	8 80	27 2700K	S White flat steel	AF12095 Frosted acrylic, pattern #12, .095" thick
		4 4'	L27 2,700lm	9 90 ^[3]	30 3000K		A12125 Clear acrylic, pattern #12, .125" thick ^[4]
		L45 4,500lm		35 3500K	AF12125 Frosted acrylic, pattern #12, .125" thick		
		L54 5,400lm		40 4000K	A19156 Clear acrylic, pattern #19, .156" thick ^[5]		
		2x4	L43 4,300lm		50 5000K		AF19156 Frosted acrylic, pattern #19, .156" thick
			L75 7,500lm				
			L90 9,000lm				

OPTIONS^[6]

- EM/7W 7-watt emergency LED battery^[8]
- EM/7W/BMTD Back-mounted 7-watt emergency battery^[9]
- EM/10W 10-watt emergency battery^[10]
- EM/10W/BMTD Back-mounted 10-watt emergency battery^[11]
- EM/12W 12-watt emergency battery^[12]
- EM/12W/BMTD Back-mounted 12-watt emergency battery^[13]
- EQCLIPS Earthquake clips^[14]
- (L__) Additional lower lumen packages available.^[15]
Example: 8,000 nominal lumens = LPT-24-L90/835-SAF12095-(L80).
- F338 6', 3/8" flex, 3-conductor, No. 18 AWG^[16]
- F348 6', 3/8" flex, 4-conductor, No. 18 AWG^[17]
- CP Chicago Plenum (CCEA)

CONTROL^[7]

- DRV Non-dimming driver
- DIM Dimming driver
- SD40 40% step-dimming driver^[18]

VOLTAGE

- 120 120V
- 277 277V
- UNV 120-277V

NOTES

- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options.
- 2' width only.
- Extended lead times may apply. Consult factory for availability.
- LED pixelation will be visible.
- LED pixelation will be visible.
- See page 3 for FLEXIBLE WHIP OPTIONS. See page 3 for DRYWALL KIT (DFK) OPTIONS.
- See page 2 for ADDITIONAL CONTROL OPTIONS.
- 2x4 only.
- 2x2 only. Increases fixture height. See page 3 for EMERGENCY BATTERY DETAILS.
- 2x4 only.
- 2x2 only. Increases fixture height. See page 3 for EMERGENCY BATTERY DETAILS.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- DRV only.
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- Must specify 120V or 277V.
- IC rating does not apply when L54 and L90 lumen stops are specified with EM options.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L27	2662	21.4	124.4
	L45	4425	33.7	131.3
	L54	5376	42.4	126.8
2x4	L43	4306	31.4	137.1
	L75	7556	61.0	123.9
	L90	9031	67.4	134.0

MULTIPLIER TABLES

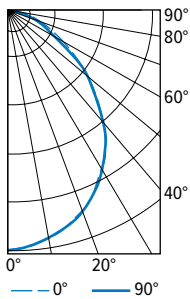
		COLOR TEMPERATURE	
		CCT	CONVERSION FACTOR
80 CRI	2700K		0.97
	3000K		0.99
	3500K		1.00
	4000K		1.03
	5000K		1.06
90 CRI	2700K		0.80
	3000K		0.82
	3500K		0.83
	4000K		0.86
	5000K		0.89

LENS	CONVERSION FACTOR
AF12095	1.00
AF12125	1.00
AF19156	0.98
A12125	0.99
A19156	0.94

- 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 tables to calculate additional options.

PHOTOMETRY

LPT-24-L90/835-SAF12095-DIM Total Luminaire Output: 9031 lumens; 68 Watts | Efficacy: 133lm/W | 82 CRI; 3457K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	4131	4131	4131	
	5	4070	4066	4066	386
	15	3852	3852	3856	1089
	25	3477	3477	3490	1597
	35	2892	2892	2900	1798
	45	2146	2115	2082	1629
	55	1378	1304	1250	1186
	65	788	716	718	744
	75	398	378	428	433
	85	152	154	186	168
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3072	34
	0 - 40	4870	54
	0 - 60	7685	85
	0 - 90	9031	100
	0 - 180	9031	100

ADDITIONAL CONTROL OPTIONS

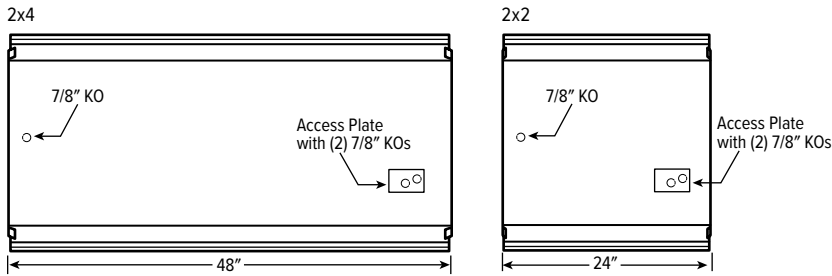
Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

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)
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

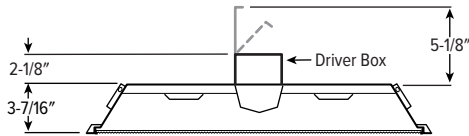


FIXTURE DETAILS

BACKVIEW



EMERGENCY BATTERY DETAILS



2x2 configurations will require EM driver to be back mounted. Additional plenum depth is required for installation and servicing. Not available with NEMA Type "F" applications. Access required through adjacent tile in grid system.

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.

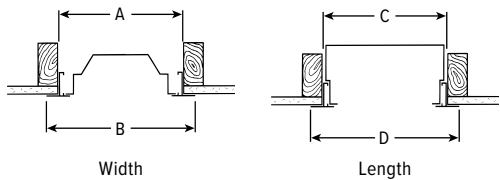
DESIGNATION	DESCRIPTION	DRIVER
F338	6' of 3/8" flex, (3) No. 18 AWG wires with (2) straight connectors	DRV, LTE LINE
F348	6' of 3/8" flex, (4) No. 18 AWG wires with (2) straight connectors	SD40
F334	6' of 3/8" flex, (3) No. 14 AWG wires with (2) straight connectors	DRV, LTE LINE
F344	6' of 3/8" flex,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

