

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES



- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- 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
- 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 board. L70 > 50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White 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 MacAdam ellipses.
- MOUNTING – NEMA Type "G" 15/16" or 1" grid standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Flange installation available, shipped separately: see page 2 for DRYWALL KIT (DFK) OPTIONS.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - 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.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe

ORDERING EXAMPLE: LPT - 2 4 - P70/835 - S AF12095 - OPTIONS - POE PR

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	DOOR FRAME
LPT	2 2'	2 2' ^[2]	2x2	8 80	27 2700K	S White flat steel
		4 4'	P31 3,100lm	9 90 ^[3]	30 3000K	
		2x4		35 3500K		
		P70 7,000lm		40 4000K		
				50 5000K		
					TW Tunable white (3000K-5000K)	
					TW2 Tunable white (2700K-6500K)	

SHIELDING	OPTIONS ^[4]	CONTROL ^[5]
AF12095 Frosted acrylic, pattern #12, .095" thick	EQCLIPS Earthquake clips ^[8]	POE PR Power over Ethernet-ready
A12125 Clear acrylic, pattern #12, .125" thick ^[6]		
AF12125 Frosted acrylic, pattern #12, .125" thick		
A19156 Clear acrylic, pattern #19, .156" thick ^[7]		
AF19156 Frosted acrylic, pattern #19, .156" thick		

NOTES

- ¹ Lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² 2' width only.
- ³ Extended lead times may apply. Consult factory for availability.
- ⁴ See page 2 for DRYWALL KIT (DFK) OPTIONS.
- ⁵ For additional PoE connection details, consult factory.
- ⁶ LED pixelation will be visible.
- ⁷ LED pixelation will be visible.
- ⁸ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.

FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P31	3122	25.3	123
2x4	P70	7012	51.7	136

TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P31	3116	25.6	122
2x4	P70	7041	52.3	135

MULTIPLIER TABLES

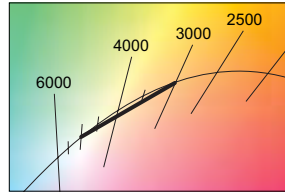
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	-	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	-	-	1.01

	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
90 CRI	2700K	0.80	-	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	-	-	1.02

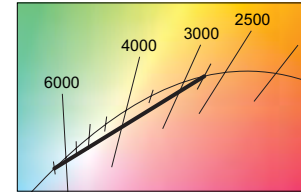
LENS	CONVERSION FACTOR
AF12095	1.00
AF12125	1.00
AF19156	0.98
A12125	0.99
A19156	0.94

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- 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 tables to calculate additional options.

TW

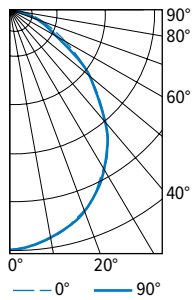


TW2



PHOTOMETRY

LPT-24-P70/835-SAF12095 Total Luminaire Output: 7012 lumens; 51.7 Watts | Efficacy: 136 lm/W | 80 CRI; 3500K CCT



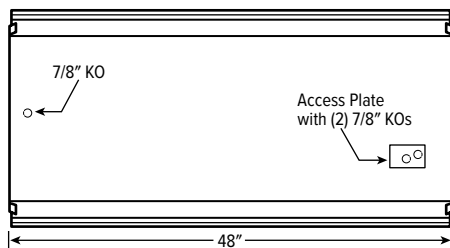
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	3208	3208	3208	
	5	3160	3157	3157	300
	15	2991	2991	2994	845
	25	2700	2700	2710	1240
	35	2245	2245	2252	1396
	45	1666	1643	1617	1265
	55	1070	1012	971	921
	65	612	556	558	578
	75	309	294	332	336
	85	118	120	144	131
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	2385
	0 - 40	3781	54
	0 - 60	5967	85
	0 - 90	7012	100
	0 - 180	7012	100

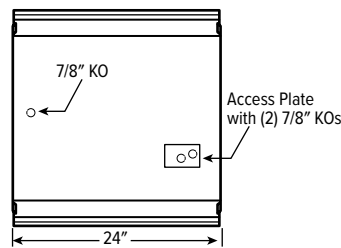
FIXTURE DETAILS

BACKVIEW

2x4



2x2



DRYWALL KIT (DFK) OPTIONS

ORDERING INFO

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

INSTALLATION DIMENSIONS

NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
	WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
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.

