

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Low-profile depth for shallow plenum applications
- Diffuse lens provides smooth illumination for visual comfort
- Air return capability reduces number of unsightly ceiling vents for a cleaner appearance
- Surface mount kit preserves continuity
- Maximize energy savings with efficacies as high as 134 lm/W
- Made Right Here® in the USA

ORDERING EXAMPLE: LT - 2 4 - P65/835 - AF - OPTIONS - POE PR

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ⁽¹⁾	CRI	CCT	SHIELDING
LT Static	1 1' ⁽³⁾	2 2' ⁽⁴⁾	1x4	8 80	27 2700K	AF Frosted acrylic
LT-AR Air Return ⁽²⁾	2 2'	4 4'	P21 2,100lm	9 90 ⁽⁵⁾	30 3000K	
			P31 3,100lm		35 3500K	
			P65 6,500lm		40 4000K	
			2x2		50 5000K	
			P21 2,100lm		TW Tunable white (3000K–5000K)	
			P31 3,100lm		TW2 Tunable white (2700K-6500K)	
			P50 5,000lm			
			2x4			
			P21 2,100lm			
			P31 3,100lm			
			P65 6,500lm			

SPECIFICATIONS

- **HOUSING/REFLECTOR** – Precision die-formed 22-gauge C.R.S.
- **SHIELDING** – Frosted 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. 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** – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Surface mount and drywall kit accessories available, shipped separately, see options.
- **LISTINGS** – cCSAus certified as luminaire suitable for dry or damp locations.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

OPTIONS ⁽⁶⁾

- EQCLIPS** Earthquake clips ⁽⁸⁾
- LT-14-SMK-W** Surface mount kit, 1'x4', white
- LT-22-SMK-W** Surface mount kit, 2'x2', white
- LT-24-SMK-W** Surface mount kit, 2'x4', white
- 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⁾

- POE PR** Power over Ethernet, Platformatics-ready

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/platformatics
- Consult factory for design support

NOTES

- ¹ Lumens based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² Air return through side slots. Not available with surface mount or CP option.
- ³ 4' length only.
- ⁴ 2' width only.
- ⁵ Extended lead times may apply. Consult factory for availability.
- ⁶ See page 3 for SURFACE MOUNT KIT DETAILS. See page 3 for DRYWALL KIT (DFK) OPTIONS.
- ⁷ See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/platformatics.
- ⁸ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting; LT is compatible with Williams earthquake clips only.



FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P21	2143	16	133.9
	P31	3144	25	125.8
	P65	6550	50	131.0
2x2	P21	2119	16	132.4
	P31	3140	25	125.6
	P50	5027	38	132.3
2x4	P21	2143	16	133.9
	P31	3144	25	125.8
	P65	6550	50	131.0

TUNABLE WHITE

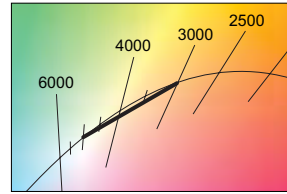
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P21	2207	16	137.9
	P31	3238	25	129.5
	P65	6746	50	134.9
2x2	P21	2182	16	136.4
	P31	3233	25	129.3
	P50	5177	38	136.2
2x4	P21	2207	16	137.9
	P31	3238	25	129.5
	P65	6746	50	134.9

MULTIPLIER TABLE

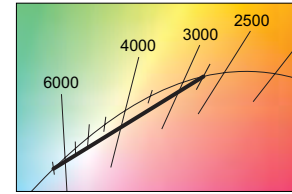
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	-	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	-	-	1.01
90 CRI	2700K	0.80	-	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	-	-	1.02

- 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.

TW

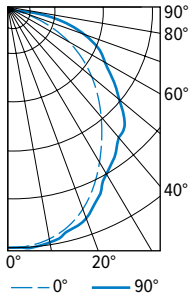


TW2



PHOTOMETRY

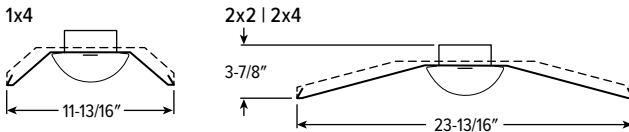
LT-24-P65/835-AF Total Luminaire Output: 6550 lumens; 50 Watts | Efficacy: 131 lm/W | 82 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2331	2331	2331	
5	2321	2322	2324	221
15	2197	2217	2240	628
25	1943	2001	2060	919
35	1606	1712	1813	1068
45	1328	1502	1656	1136
55	933	1136	1315	1010
65	604	840	1029	815
75	303	541	685	552
85	88	219	201	203
90	0	0	0	

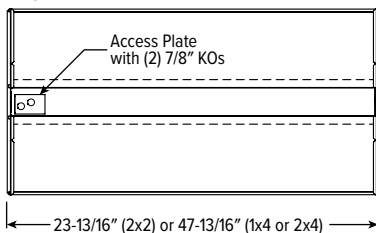
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1767	27
	0 - 40	2835	43
	0 - 60	4980	76
	0 - 90	6550	100
	0 - 180	6550	100

CROSS SECTIONS

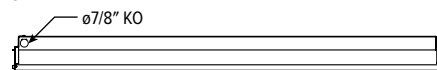


FIXTURE DETAILS

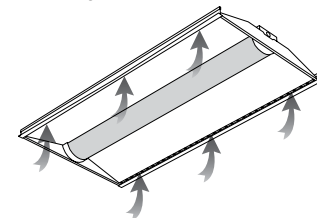
BACK VIEW



SIDE VIEW



AIR RETURN



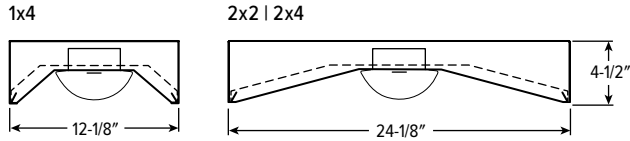
Total Air Return Space: 12-1/2" sq. (2x2) and 25-1/2" sq. (1x4 and 2x4)



SURFACE MOUNT KIT DETAILS

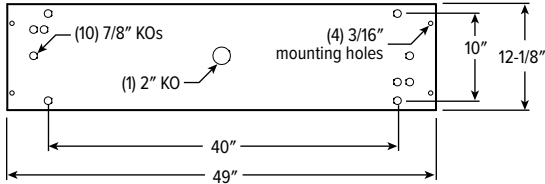


CROSS SECTIONS

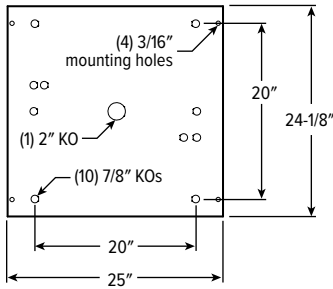


BACK VIEWS

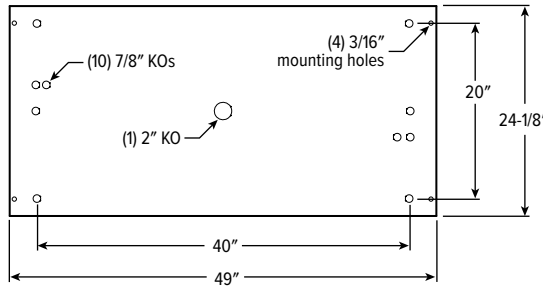
1x4



2x2

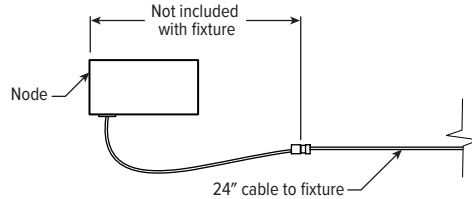


2x4



NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: platformatics.com/product/poe-ln2

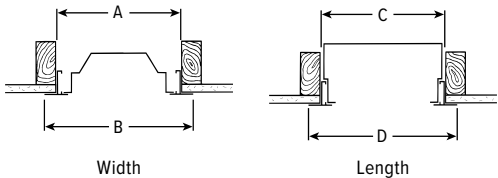


DRYWALL KIT (DFK) OPTIONS

ORDERING EXAMPLE: DFK - 24 24 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-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"

