

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- Wide, convex lens provides modern style
- Room-side access
- 3-11/16" depth for shallow plenum applications
- Maximize energy savings with efficacies up to 136 lm/W
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Made Right Here® in the USA

ORDERING EXAMPLE: CT - 24 - P66/835 - A - OPTIONS - POE PR

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
CT	2 2'	2 2'	2x2	8 80	27 2700K	A Diffuse acrylic
		4 4'	P22 2,200lm	9 90 ^[2]	30 3000K	
			P33 3,300lm		35 3500K	
			P48 4,800lm		40 4000K	
					50 5000K	
			2x4		TW Tunable white (80 CRI, 3000K-5000K)	
			P21 2,100lm			
			P32 3,200lm			
			P66 6,600lm			

SPECIFICATIONS

- HOUSING/REFLECTOR – Precision die-formed 22-gauge C.R.S.
- SHIELDING – Diffuse 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. Drywall kit accessories available for flange applications, shipped separately, see options.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.
- WARRANTY – 5-year limited fixture warranty, see hew.com/warranty.

OPTIONS ^[3]

- EQCLIPS Earthquake clips ^[5]
- AMW Anti-microbial white finish
- DFK-2424W Drywall kit, 24" x 24", white ^[6]
- DFK-2448W Drywall kit, 24" x 48", white ^[7]
- EM/CP12 Remote mount 12-watt lota emergency battery ^[8]

CONTROL ^[4]

- 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 Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- ³ See hew.com/platformatics for compatible sensors and switches.
- ⁴ See page 2 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/platformatics.
- ⁵ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- ⁶ See page 3 for DRYWALL KIT (DFK) OPTIONS.
- ⁷ See page 3 for DRYWALL KIT (DFK) OPTIONS.
- ⁸ Requires one additional category cable run to switch.



FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P22	2279	17.0	134.1
	P33	3203	25.0	128.1
	P48	4802	37.0	129.8
2x4	P21	2186	16.0	136.6
	P32	3207	25.0	128.3
	P66	6681	50.0	133.6

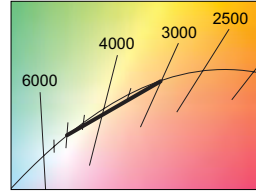
TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P22	2235	17.0	131.5
	P33	3032	25.0	121.3
	P48	4336	37.0	117.2
2x4	P21	2139	16.0	133.7
	P32	3100	25.0	124.0
	P66	6312	50.0	126.2

MULTIPLIER TABLE

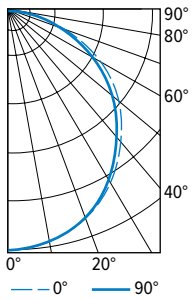
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-

- 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.



PHOTOMETRY

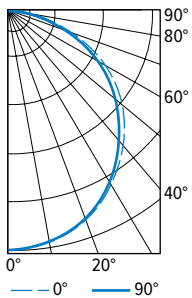
CT-22-P48/835-A Total Luminaire Output: 4802 lumens; 37 Watts | Efficacy: 130.0 lm/W | 84 CRI; 3520K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1675	1675	1675	
5	1670	1664	1664	158
15	1603	1604	1610	453
25	1482	1486	1495	684
35	1294	1309	1330	820
45	1078	1100	1134	851
55	837	869	902	775
65	576	609	637	600
75	316	337	350	355
85	88	92	95	104
90	4	9	4	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2116	44
	0 - 60	3742	78
	0 - 90	4802	100
	0 - 180	4802	100

CT-24-P66/835-A Total Luminaire Output: 6681 lumens; 50 Watts | Efficacy: 134.0 lm/W | 84 CRI; 3490K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2

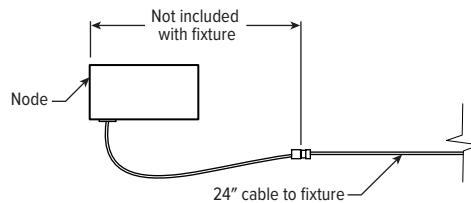


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2265	2265	2265	
5	2249	2253	2255	214
15	2167	2171	2189	613
25	2002	2015	2032	929
35	1776	1802	1824	1125
45	1501	1530	1568	1182
55	1183	1220	1259	1086
65	812	859	896	846
75	443	487	513	512
85	127	154	177	172
90	9	37	50	

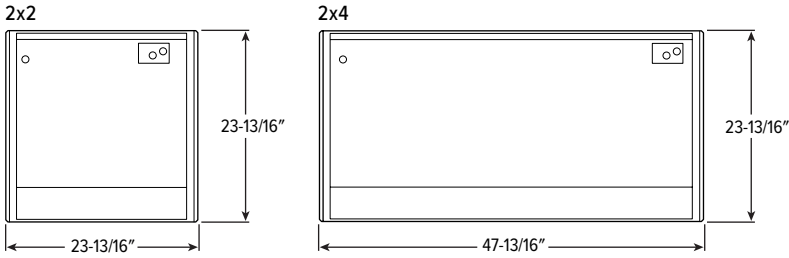
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2882	43
	0 - 60	5150	77
	0 - 90	6680	100
	0 - 180	6681	100

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



BACK VIEW DETAILS

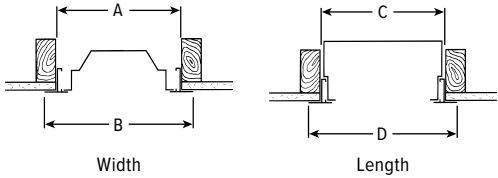


DRYWALL KIT (DFK) OPTIONS

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"