

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

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

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

**FEATURES**

- Wide, convex lens provides modern style
- Room-side access
- 3-11/16" depth for shallow plenum applications
- High efficacy fixture delivers up to 132 lm/W
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Made Right Here® in the USA

**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. L80 > 60,000 hours.
- 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, ordered separately.
- LISTINGS** –
  - CCSAUs certified as luminaire suitable for dry or damp locations.
  - IC-rated for direct contact with insulation.
  - City of Chicago Environmental Air approved when specified with CP option.
  - DesignLights Consortium Premium qualified product. Not all versions of this product may be DLC Premium qualified, see the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL).
- WARRANTY** – 5-year limited fixture warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: CT - 24 - L88/835 - A - OPTIONS - DIM - UNV**

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
CT	2 2'	2 2'	2x2	8 80	27 2700K	A Diffuse acrylic
		4 4'	L28 2,800lm	9 90 <sup>[2]</sup>	30 3000K	
			L36 3,600lm		35 3500K	
			L53 5,300lm		40 4000K	
					50 5000K	
			2x4			
			L28 2,800lm			
			L36 3,600lm			
			L49 4,900lm			
			L59 5,900lm			
		L88 8,800lm				

OPTIONS	DRIVER <sup>[3]</sup>	VOLTAGE
<b>EM/10WLP</b> Low-profile 10-watt emergency battery (120-277V only) <sup>[4]</sup>	<b>DRV</b> Non-dimming driver	<b>120</b> 120V
<b>EQCLIPS (L__)</b> Earthquake clips <sup>[5]</sup> Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package. <b>Example:</b> 7,000 nominal lumens = CT-24-L88/835-(L70).	<b>DIM</b> Dimming driver	<b>277</b> 277V
<b>AMW</b> Anti-microbial white finish		<b>UNV</b> 120-277V
<b>CP</b> Chicago plenum (CCEA)		<b>347</b> 347V
<b>DFK-2424W</b> Drywall kit, 24" x 24", white		
<b>DFK-2448W</b> Drywall kit, 24" x 48", white		



**NOTES**

- Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability.
- See page 2 for ADDITIONAL DRIVER OPTIONS.
- 2' x 4' only.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L28	2748	23.2	118.6
	L36	3550	32.9	107.9
	L53	5148	45.3	117.0
2x4	L28	2739	23.0	119.2
	L36	3553	32.8	108.2
	L49	4948	39.5	125.2
	L59	5809	47.6	122.0
	L88	8303	66.2	132.6

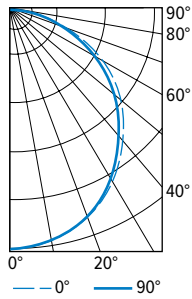
## MULTIPLIER TABLE

COLOR TEMPERATURE		
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
90 CRI	5000K	1.06
	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.
- 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

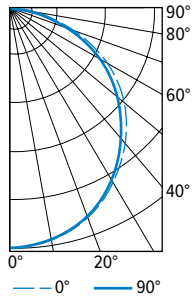
**CT-22-L53/835-A-DIM** Total Luminaire Output: 5148 lumens; 45.3 Watts | Efficacy: 117.0 lm/W | 84 CRI; 3520K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1796	1796	1796	
5	1790	1784	1784	43
15	1719	1720	1726	207
25	1589	1593	1603	342
35	1387	1403	1426	428
45	1156	1179	1216	459
55	897	931	967	433
65	618	653	683	351
75	339	361	376	226
85	95	98	101	86
90	4	10	5	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2268	44
	0 - 60	4012	78
	0 - 90	5148	100
	0 - 180	5148	100

**CT-24-L88/835-A-DIM** Total Luminaire Output: 8303 lumens; 66.2 Watts | Efficacy: 132.6 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	2836	2836	2836	
5	2824	2821	2817	68
15	2717	2721	2728	327
25	2511	2524	2540	541
35	2221	2241	2270	682
45	1868	1902	1942	736
55	1460	1514	1560	702
65	1008	1067	1110	572
75	551	600	631	373
85	156	180	203	151
90	15	34	43	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	3602	43
	0 - 60	6418	77
	0 - 90	8303	100
	0 - 180	8303	100

## 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 or 277V 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
LDE5	Lutron 5-Series 5% 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



BACK VIEW DETAILS

