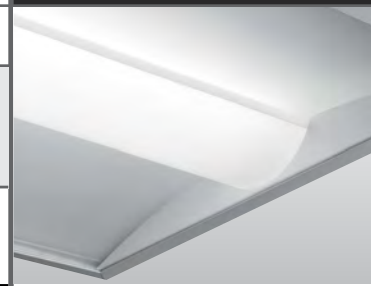


# ARCHITECTURAL LED TROFFER – CURVED DEEP CENTER

# AT2

tunable **WHITE** | PoE

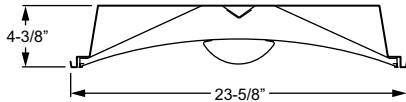


CATALOG #:	TYPE:
PROJECT:	NOTES:

**EXAMPLE** → **AT2 - 2 4 - P66/835 - D - OPTIONS - POE N**

SERIES    NOM. NOM.    LUMEN    CRI &    SHIELDING    OPTIONS    CONTROL  
W.    L.    PACKAGE    CCT

## CROSS SECTION



## ORDERING INFORMATION

### SERIES

**AT2** Architectural LED Troffer – Curved Deep Center – PoE

### NOMINAL WIDTH

**2**    2'

### NOMINAL LENGTH

**2**    2'  
**4**    4'

### LED PACKAGE

Example: P66/835		WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	
<b>2x2</b>		
<b>P18</b>	1,800	15
<b>P26</b>	2,600	24
<b>P55</b>	5,500	49
<b>2x4</b>		
<b>P31</b>	3,100	24
<b>P66</b>	6,600	49
<b>P122</b>	12,200	100

Nominal lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see fixture performance data.

### CRI & CCT

**827**    82 CRI, 2700K  
**830**    82 CRI, 3000K  
**835**    82 CRI, 3500K  
**840**    82 CRI, 4000K  
**8TW**    Tunable white (80 CRI, 3000K–5000K)

### Shielding

**D** Diffuse matte acrylic center  
**P** Perforated center (decreases lumen output by 15%)

### DIFFUSE CENTER DECORATIVE INSERTS

Only available with D shielding option. See page 2 for details

**D11** Triple wave  
**D12** Brushed metal  
**D13** Elliptical Perf  
**D14** Circles  
**D15** Stripes  
**D16** Tri-Pyramid

### OPTIONS

**EQCLIPS** Earthquake clips (4 per fixture)  
**SS** Gasketed clear flat acrylic lens  
**AMW** Anti-microbial white finish  
**NEMA F** NEMA Type "F" flange kit, factory-installed (see page 2 for details)

### ACCESSORIES

See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches

### CONTROL

For additional PoE info, see [hew.com/poe](http://hew.com/poe)  
**POE N** Power over Ethernet network node  
**POE D** Power over Ethernet device node (not available for fixtures over 40W)

## FEATURES

- ▶ Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Efficacies up to 139 lm/W
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Quiet and smooth illumination for visual comfort
- ▶ Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- ▶ Optional gasketed acrylic lens adds extra layer of protection
- ▶ Available with decorative inserts to customize center lens
- ▶ This fixture is proudly made in the USA

## SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See [hew.com/poe](http://hew.com/poe) for details



# AT2

tunable **WHITE** | PoE

## ARCHITECTURAL LED TROFFER – CURVED DEEP CENTER

### SPECIFICATIONS

**Housing** – Precision die-formed 22-gauge C.R.S.

**Door Frame** – Hinged, flat, extruded aluminum door frame with optical assembly.

**Shielding** – Diffuse polycarbonate lens and acrylic center standard.

**Finish** – 95% 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. L70 >60,000 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” standard, NEMA Type “F” available.

**Labels** – cCSAus certified as luminaire suitable for dry or damp locations.

**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

### FIXTURE PERFORMANCE DATA

#### STANDARD

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2			
P18	1834	15	122.3
P26	2604	24	108.5
P55	5512	49	112.5
2x4			
P31	3104	24	129.3
P66	6609	49	134.9
P122 <sup>1</sup>	12227	100	122.3

#### TUNABLE WHITE

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2			
P18	1888	15	125.9
P26	2682	24	111.8
P55	5676	49	115.8
2x4			
P31	3196	24	133.2
P66	6806	49	138.9
P122 <sup>1</sup>	12592	100	125.9

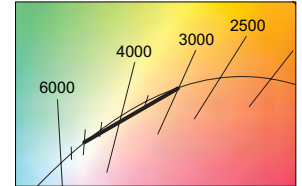
### MULTIPLIER TABLES

#### STANDARD

CCT	CONVERSION FACTOR
2700K	0.97
3000K	0.99
3500K	1.00
4000K	1.03

#### TUNABLE WHITE

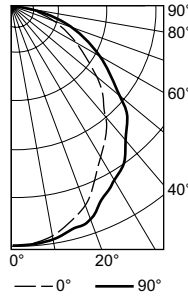
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96



- 1 Fixture contains two nodes
- 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

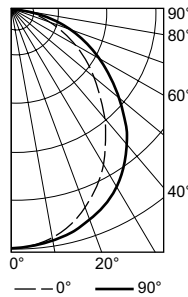
**AT2-24-P66/835-D** Total Luminaire Output: 6609 lumens; 49 Watts  
Efficacy: 135 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	2633	2633	2633		
5	2619	2620	2622	249	
15	2472	2493	2526	703	
25	2138	2208	2292	1020	
35	1733	1854	1976	1162	
45	1396	1560	1664	1172	
55	965	1118	1189	987	
65	645	788	847	755	
75	336	460	460	450	
85	100	71	67	110	
90	0.	0.	0.		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30		1972	30
0 - 40		3134	47
0 - 60		5294	80
0 - 90		6609	100
0 - 180		6609	100

**AT2-22-P55/835-D** Total Luminaire Output: 5512 lumens; 49 Watts  
Efficacy: 112 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



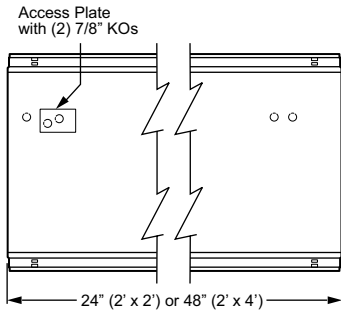
CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	2169	2169	2169		
5	2165	2157	2153	205	
15	2044	2049	2087	580	
25	1800	1870	1956	863	
35	1509	1611	1721	1006	
45	1163	1266	1368	979	
55	830	937	1007	832	
65	540	632	694	618	
75	275	348	402	354	
85	50	44	42	74	
90	0.	0.	0.		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30		1648	30
0 - 40		2654	48
0 - 60		4465	81
0 - 90		5512	100
0 - 180		5512	100

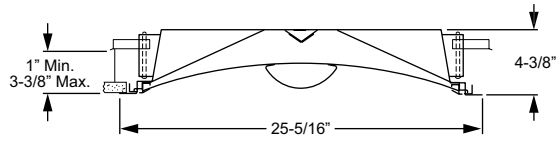


## FIXTURE DETAILS

### BACK VIEW



### NEMA TYPE "F" INSTALLATION



**Note:** Maximum recommended ceiling opening is 24-3/8" x 24-38" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

## DIFFUSE CENTER DECORATIVE INSERT DETAILS

