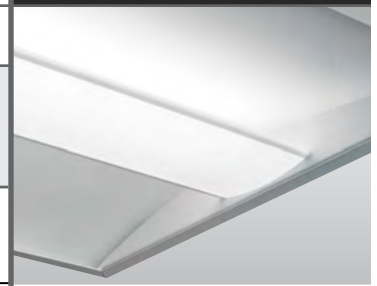


ARCHITECTURAL LED TROFFER – CURVED FLOATING CENTER

AT1

tunable **WHITE** | PoE

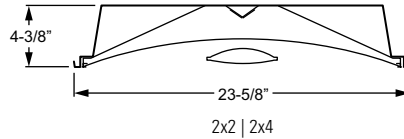
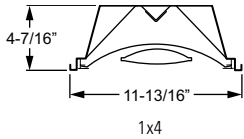


CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE → **AT1 - 2 4 - P66/835 - D - OPTIONS - POE N**

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

CROSS SECTIONS



ORDERING INFORMATION

SERIES

AT1 Architectural LED Troffer – Curved Floating Center – PoE

NOMINAL WIDTH

1 1'
2 2'

NOMINAL LENGTH

2 2' (2' width only)
4 4'

SHIELDING

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

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 for compatible sensors & switches

CONTROL

For additional PoE info, see hew.com/poe
1' x 4' fixture requires remote mounting, see page 2 for details.
POE N Power over Ethernet network node
POE D Power over Ethernet device node (not available for fixtures over 40W)

LED PACKAGE

Example: P66/835		WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	
1x4		
P18	1,800	16
P25	2,500	24
P53	5,300	49
2x2		
P18	1,800	15
P26	2,600	24
P55	5,500	49
2x4		
P31	3,100	24
P66	6,600	49
P122	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)

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
- ▶ Curved floating lens effect creates an appealing visual appearance.
- ▶ 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
- ▶ 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 for details



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.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

FIXTURE PERFORMANCE DATA

STANDARD

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4			
P18	1811	16	113.2
P25	2503	24	104.3
P53	5341	49	109.0
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 ¹	12227	100	122.3

TUNABLE WHITE

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4			
P18	1865	16	116.6
P25	2577	24	107.4
P53	5501	49	112.3
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 ¹	12592	100	125.9

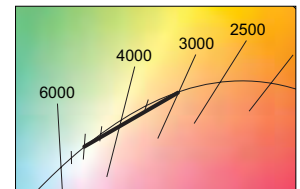
MULTIPLIER TABLES

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

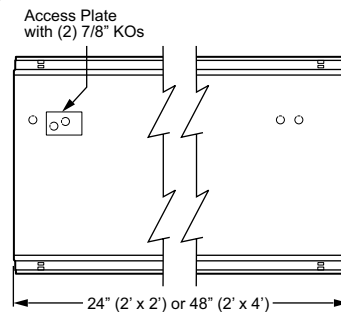


¹ Fixture contains two nodes

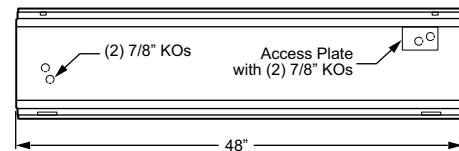
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

FIXTURE DETAILS

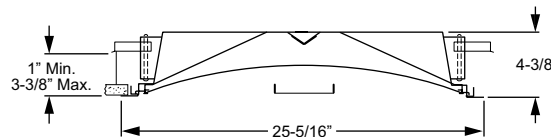
2x2 | 2x4 BACK VIEW



1x4 BACK VIEW

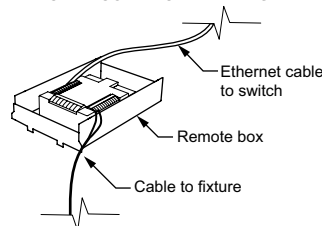


NEMA TYPE "F" INSTALLATION



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.

REMOTE MOUNT NODE DETAILS



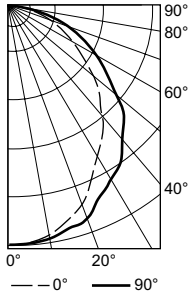
Includes 2' plenum rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

See [Technical Info](#) for dimension details.

PHOTOMETRY

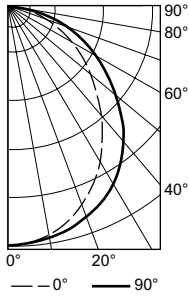
AT1-24-P66/835-D Total Luminaire Output: 6609 lumens; 49 Watts
 Efficacy: 135 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



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
	0 - 180	6609	100.0

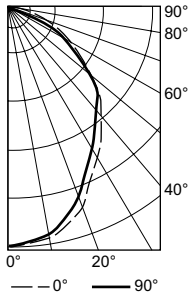
AT1-22-P55/835-D Total Luminaire Output: 5512 lumens; 49 Watts
 Efficacy: 112 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



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
	0 - 180	5512	100.0

AT1-14-P53/835-D Total Luminaire Output: 5341 lumens; 49 Watts
 Efficacy: 109 lm/W | 83 CRI; 3587K CCT | IES Spacing Criteria: End: 1.1, Across: 1.1, Diagonal: 1.1



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0		2435	2435	2435	
5		2409	2403	2397	228
15		2281	2249	2222	634
25		1949	1891	1853	880
35		1623	1561	1537	982
45		1318	1272	1261	972
55		909	887	853	792
65		595	577	426	529
75		290	207	189	256
85		80	55	41	68
90		0.	0.	0.	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1742	33
	0 - 40	2724	51
	0 - 60	4488	84
	0 - 90	5341	100.0
	0 - 180	5341	100.0

