

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

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

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

## 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.
- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- Maximize energy savings with efficacies as high as 126 lm/w
- Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- Optional gasketed acrylic lens helps protect against contaminants
- Made Right Here® 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

## 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 >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** –NEMA Type “G” standard, NEMA Type “F” available.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## ORDERING EXAMPLE: AT1 - 2 4 - P58/835 - D - OPTIONS - POE N

### ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
AT1	1 1'	2 2' <sup>[2]</sup>	1x4	8 80	27 2700K	D Diffuse matte acrylic center
		4 4'	P16 1,600lm	9 90 <sup>[3]</sup>	30 3000K	P Perforated center <sup>[4]</sup>
	2 2'	4 4'	P26 2,600lm	8 80	35 3500K	TW Tunable white (80 CRI, 3000K-5000K)
			P52 5,200lm		40 4000K	
	2x2	4 4'	4 4'	8 80	50 5000K	TW Tunable white (80 CRI, 3000K-5000K)
					P16 1,600lm	
					P25 2,500lm	
					P52 5,200lm	
	2x4	4 4'	4 4'	8 80	27 2,700lm	TW Tunable white (80 CRI, 3000K-5000K)
					P58 5,800lm	
P100 10,000lm						

### OPTIONS <sup>[5]</sup>

- EM/CP12** Remote mount 12-watt Iota emergency battery <sup>[7]</sup>
- EQCLIPS** Earthquake clips <sup>[8]</sup>
- SS** Gasketed clear flat acrylic lens
- AMW** Anti-microbial white finish
- NEMA F** NEMA Type “F” flange kit, factory-installed <sup>[9]</sup>

### CONTROL <sup>[6]</sup>

- POE N** Power over Ethernet network node
- POE D** Power over Ethernet device node <sup>[10]</sup>

## NOTES

- Lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- 2' width only
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- Decreases lumen output by 15%
- See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches
- 1'x4' fixture requires remote mounting. See page 3 for REMOTE MOUNT DETAILS. For additional PoE info, see [hew.com/poe](http://hew.com/poe)
- Requires one additional category cable run to switch. See page 3 for REMOTE MOUNT DETAILS.
- NEMA Type “G” only, 4 per fixture
- See page 3 for NEMA TYPE “F” INSTALLATION.
- Not available for fixtures over 40W



# AT1 PoE | tunable WHITE Architectural Troffer – Curved Floating Center

## FIXTURE PERFORMANCE DATA

### STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1649	14.4	114.4
	P25	2506	23.2	108.3
	P52	5240	46.9	111.8
2x2	P16	1649	14.4	114.4
	P25	2506	23.2	108.3
	P52	5240	46.9	111.8
2x4	P27	2743	21.7	126.3
	P58	5802	47.5	122.3
	P100 <sup>1</sup>	10049	81.2	123.8

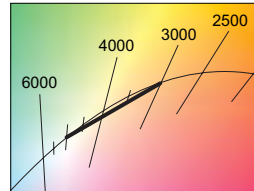
### TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1605	15.4	104.0
	P25	2507	25.1	99.9
	P52	5224	50.1	104.4
2x2	P16	1605	15.4	104.0
	P26	2507	25.1	99.9
	P52	5224	50.1	104.4
2x4	P27	2717	24.2	112.1
	P58	5835	49.8	117.2
	P100 <sup>1</sup>	10070	95.2	105.7

### MULTIPLIER TABLE

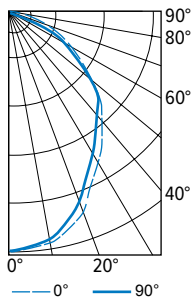
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-

- 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 tables to calculate additional options.
- <sup>1</sup> Fixture contains two nodes, one power drop per node required.



## PHOTOMETRY

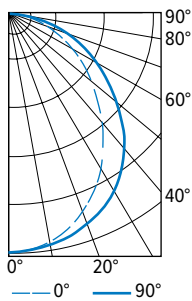
AT1-14-P52/835-D Total Luminaire Output: 5240 lumens; 47 Watts | Efficacy: 112 lm/W | 82 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2389	2389	2389	
5	2364	2357	2351	224
15	2238	2207	2180	622
25	1912	1855	1818	863
35	1593	1532	1508	964
45	1293	1248	1237	954
55	892	871	837	777
65	584	566	418	519
75	284	203	186	251
85	79	54	40	67
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1709	33
	0 - 40	2673	51
	0 - 60	4403	84
	0 - 90	5240	100
	0 - 180	5240	100

AT1-22-P52/835-D Total Luminaire Output: 5240 lumens; 47 Watts | Efficacy: 112 lm/W | 82 CRI; 3500K CCT



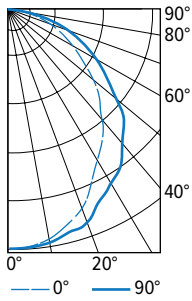
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2062	2062	2062	
5	2058	2050	2047	195
15	1943	1948	1984	552
25	1711	1777	1859	820
35	1435	1531	1636	957
45	1106	1204	1300	931
55	789	891	958	791
65	514	601	660	588
75	261	331	383	336
85	47	42	40	71
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1567	30
	0 - 40	2523	48
	0 - 60	4245	81
	0 - 90	5240	100
	0 - 180	5240	100



# AT1 PoE | tunable WHITE Architectural Troffer – Curved Floating Center

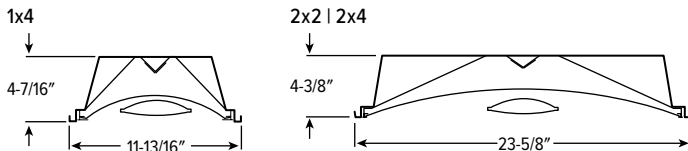
AT1-24-P58/835-D Total Luminaire Output: 5802 lumens; 47.5 Watts | Efficacy: 122.3 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2312	2312	2312	
	5	2299	2300	2302	218
	15	2170	2189	2217	617
	25	1877	1938	2012	896
	35	1521	1628	1735	1020
	45	1225	1369	1461	1029
	55	847	981	1044	866
	65	567	692	743	663
	75	295	403	403	395
	85	88	63	59	97
	90	0	0	0	

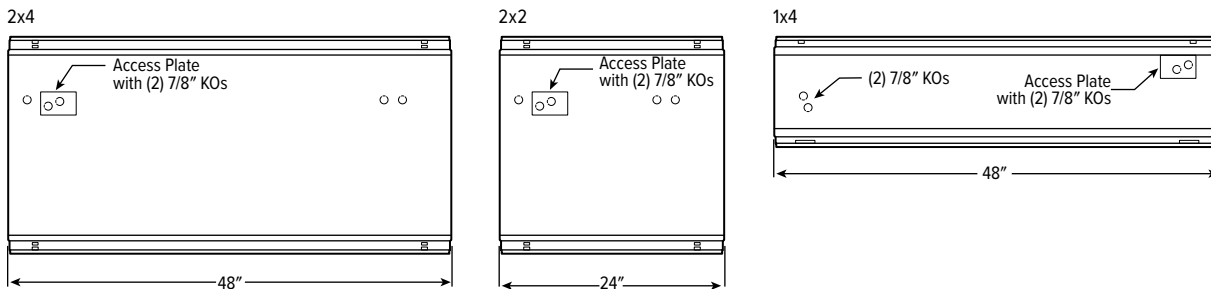
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1731	30
	0 - 40	2752	47
	0 - 60	4647	80
	0 - 90	5802	100
	0 - 180	5802	100

## CROSS SECTIONS

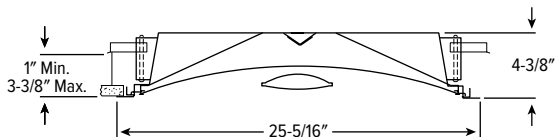


## FIXTURE DETAILS

### BACKVIEW



## NEMA TYPE "F" INSTALLATION



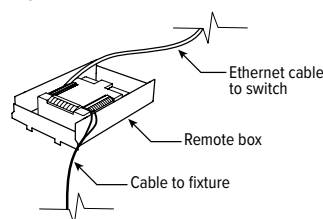
Note: Maximum recommended ceiling opening is 24-3/8" x 24-3/8" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

## REMOTE MOUNT DETAILS

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

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

### NODE



### NODE AND EM OPTION

