AT3 PoE | tunable WHITE
Architectural Troffer – Straight Floating Center

Williams®

4-3/8″

23-5/8″

2x2 | 2x4

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
- Distinct straight floating center detail creates a highly-aesthetic presence
- Sleek, extruded center complements MX4 continuous light series
- Maximize energy savings with efficacies as high as 118 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 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.

ORDERING EXAMPLE: AT3 - 2 4 - P58/835 - D - OPTIONS - POE N

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS [1]	CRI	CCT	SHIELDING
AT3	1 1′ 2 2′	2 2′ [2] 4 4′	**1x4** P16 1,600lm P25 2,500lm P52 5,200lm **2x2** P16 1,600lm P25 2,500lm P52 5,200lm **2x4** P27 2,700lm P58 5,800lm P100 10,000lm	8 80 9 90 [3]	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **50** 5000K **TW** Tunable white (80 CRI, 3000K-5000K)	**D** Diffuse matte acrylic center **P** Perforated center [4]

OPTIONS [5]

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

CONTROL [6]

POE N	Power over Ethernet network node
POE D	Power over Ethernet device node [10]

NOTES

[1] 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] 2′ width only
[3] Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
[4] Decreases lumen output by 15%
[5] See hew.com/poe for compatible sensors & switches
[6] 1′x4′ fixture requires remote mounting. See page 3 for REMOTE MOUNT DETAILS. For additional PoE info, see hew.com/poe
[7] Requires one additional category cable run to switch. See page 3 for REMOTE MOUNT DETAILS.
[8] NEMA Type "G" only. 4 per fixture
[9] See page 3 for NEMA TYPE "F" INSTALLATION.
[10] Not available for fixtures over 40W

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FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1534	14.4	106.4
	P25	2331	23.2	100.7
	P52	4873	46.9	104.0
2x2	P16	1534	14.4	106.4
	P25	2331	23.2	100.7
	P52	4873	46.9	104.0
2x4	P27	2633	21.7	121.3
	P58	5570	47.5	117.4
	P100[1]	9647	81.2	118.9

TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1493	15.4	96.7
	P25	2332	25.1	92.9
	P52	4858	50.1	97.0
2x2	P16	1493	15.4	96.7
	P25	2332	25.1	92.9
	P52	4858	50.1	97.0
2x4	P27	2608	24.2	107.6
	P58	5602	49.8	112.5
	P100[1]	9667	95.2	101.5

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	–

[1] Fixture contains two nodes, one power drop per node required.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC 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%
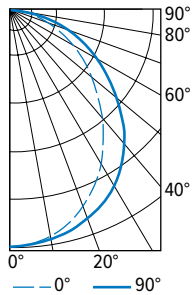- Use multiplier tables to calculate additional options.
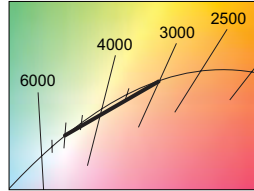
PHOTOMETRY

AT3-14-P52/835-D Total Luminaire Output: 4873 lumens; 47 Watts | Efficacy: 104 lm/W | 83 CRI; 3587K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	2222	2222	2222	
5	2198	2192	2187	208
15	2081	2052	2027	578
25	1778	1725	1690	803
35	1481	1424	1402	896
45	1202	1161	1150	887
55	829	810	778	722
65	543	526	389	482
75	264	189	173	233
85	73	50	37	62
90	0	0	0	

ZONE	LUMENS	% FIXTURE
0 - 30	1589	33
0 - 40	2486	51
0 - 60	4095	84
0 - 90	4873	100
0 - 180	4873	100

AT3-22-P52/835-D Total Luminaire Output: 4873 lumens; 47 Watts | Efficacy: 104 lm/W | 82 CRI; 3500K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1918	1918	1918	
5	1914	1907	1904	181
15	1807	1812	1845	513
25	1591	1653	1729	763
35	1334	1424	1521	890
45	1028	1119	1209	865
55	734	828	890	735
65	478	559	614	547
75	243	308	356	313
85	44	39	37	66
90	0	0	0	

ZONE	LUMENS	% FIXTURE
0 - 30	1457	30
0 - 40	2347	48
0 - 60	3947	81
0 - 90	4873	100
0 - 180	4873	100

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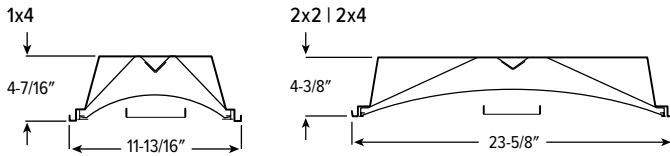**AT3-24-P58/835-D** Total Luminaire Output: 5570 lumens; 48 Watts | Efficacy: 117 lm/W | 82 CRI; 3500K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2219	2219	2219	
5	2207	2208	2210	210
15	2083	2101	2128	592
25	1802	1861	1931	860
35	1460	1563	1665	980
45	1176	1315	1402	988
55	813	942	1002	832
65	544	664	714	636
75	283	387	387	379
85	85	60	56	93
90	0	0	0	
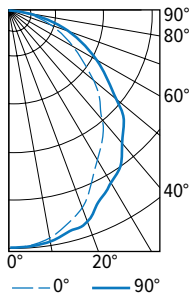
CANDLEPOWER DISTRIBUTION

ZONE	LUMENS	% FIXTURE
0 - 30	1662	30
0 - 40	2641	47
0 - 60	4461	80
0 - 90	5570	100
0 - 180	5570	100

LUMEN SUMMARY

CROSS SECTIONS

1x4

4-7/16″
11-13/16″

2x2 | 2x4

4-3/8″
23-5/8″

FIXTURE DETAILS

BACKVIEW

2x4

Access Plate with (2) 7/8″ KOs
48″

2x2

Access Plate with (2) 7/8″ KOs
24″

1x4

(2) 7/8″ KOs
Access Plate with (2) 7/8″ KOs
48″

NEMA TYPE "F" INSTALLATION
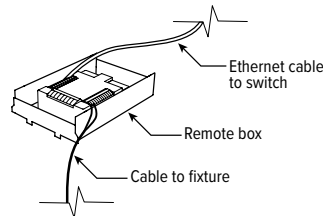

1″ Min.
3-3/8″ Max.
4-3/8″
25-5/16″
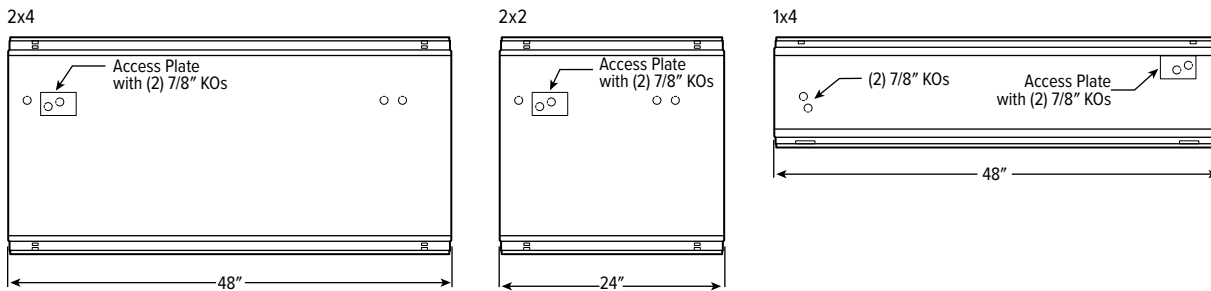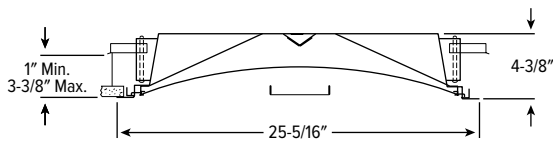
Note: Maximum recommended ceiling opening is 24-3/8″ x 24-38″ for 2'x2' and 24-3/8″x 48-3/8″ for 2'x4'. For continuous row mounting, add 49-5/16″ for each additional fixture to obtain ceiling opening. 1-5/16″ between end plates.

REMOTE MOUNT 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

Ethernet cable to switch
Remote box
Cable to fixture

NODE AND EM OPTION

2′ Plenum-rated cable supplied to fixture
Remote box
Test light

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