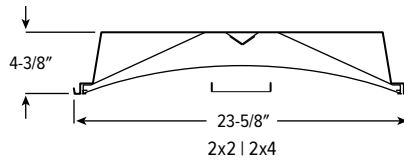


AT3 PoE | tunable WHITE

Architectural Troffer – Straight Floating Center



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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

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 – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. NEMA Type “F” available, see options.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe
- Consult factory for design support

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

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
AT3	1 1'	2 2' ^[2]	1x4	8 80	27 2700K	D Diffuse matte acrylic center P Perforated center ^[4]
		2 2'	P16 1,600lm	9 90 ^[3]	30 3000K	
	2 2'	4 4'	P25 2,500lm		35 3500K	
			P52 5,200lm		40 4000K	
	2x2			P16 1,600lm		50 5000K
				P25 2,500lm		TW Tunable white (3000K-5000K)
	2x4			P52 5,200lm		TW2 Tunable white (2700K-6500K)
				P27 2,700lm		
				P58 5,800lm		
				P100 10,000lm		

OPTIONS

- EQCLIPS Earthquake clips ^[6]
- SS Sani-shield acrylic cover with double gasket. ^[7]
- SS/PC Sani-shield polycarbonate cover with double gasket. ^[8]
- AMW Anti-microbial white finish
- NEMA F NEMA Type “F” flange kit, factory-installed ^[9]

CONTROL ^[5]

- POE PR Power over Ethernet, Platformatics-ready

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.
- ⁴ Decreases lumen output by 15%
- ⁵ See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/poe.
- ⁶ 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting. Not available with NEMA F Option.
- ⁷ Reduces lumen output by 10%.
- ⁸ Reduces lumen output by 10%.
- ⁹ See page 3 for NEMA TYPE “F” INSTALLATION.



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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

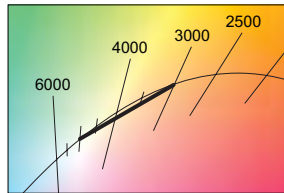
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1493	15.4	96.7
	P25	2332	25.1	92.9
	P52	4858	50.1	97.0
2x2	P16	1493	15.4	96.7
	P25	2332	25.1	92.9
	P52	4858	50.1	97.0
2x4	P27	2608	24.2	107.6
	P58	5602	49.8	112.5
	P100 ¹	9667	95.2	101.5

MULTIPLIER TABLE

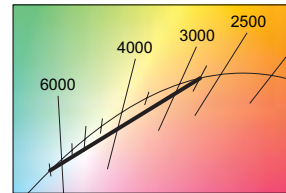
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	-	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
90 CRI	2700K	0.80	-	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
6500K	-	-	1.01	-

- 1 Fixture contains two nodes, one power drop per node required.
- 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.

TW

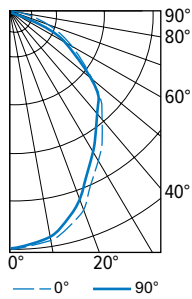


TW2



PHOTOMETRY

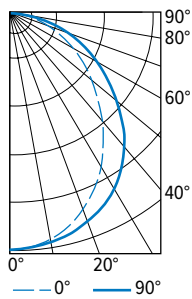
AT3-14-P52/835-D Total Luminaire Output: 4873 lumens; 47 Watts | Efficacy: 104 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
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	

LUMEN SUMMARY	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 | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
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	

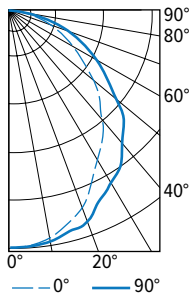
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1457	30
	0 - 40	2347	48
	0 - 60	3947	81
	0 - 90	4873	100
	0 - 180	4873	100



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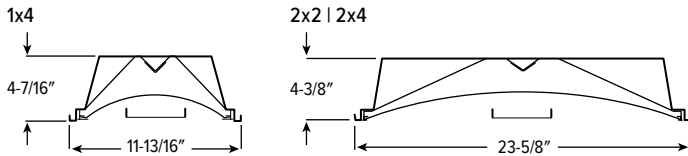
AT3-24-P58/835-D Total Luminaire Output: 5570 lumens; 48 Watts | Efficacy: 117 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	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	

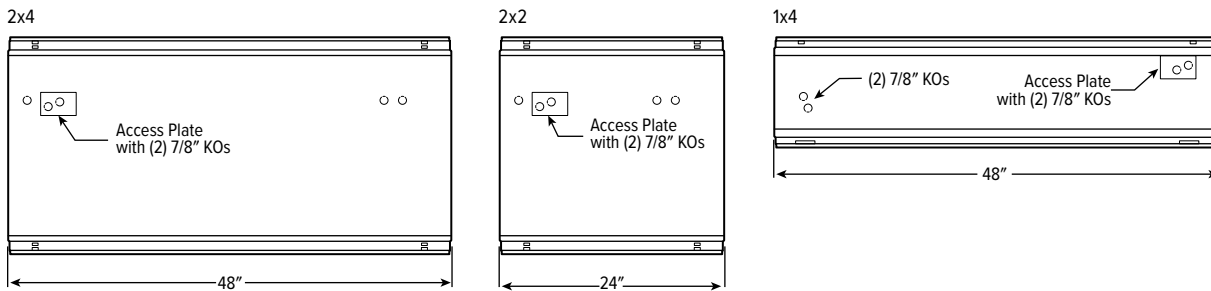
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1662	30
	0 - 40	2641	47
	0 - 60	4461	80
	0 - 90	5570	100
	0 - 180	5570	100

CROSS SECTIONS

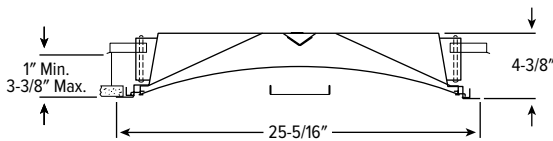


FIXTURE DETAILS

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.

NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: platformatics.com/product/poe-ln2

