

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- 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** – NEMA Type “G” 15/16” or 1” grid standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Drywall flange type available, see options.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- 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

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

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
AT1	1 1'	2 2' ^[2]	1x4	8 80	27 2700K	D Diffuse matte acrylic center
		4 4'	P16 1,600lm	9 90 ^[3]	30 3000K	P Perforated center ^[4]
	2 2'		P25 2,500lm		35 3500K	
			P52 5,200lm		40 4000K	
			2x2		50 5000K	
					TW Tunable white (3000K-5000K)	
			P16 1,600lm		TW2 Tunable white (2700K-6500K)	
			P25 2,500lm			
			P52 5,200lm			
			2x4			

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	Flange kit, factory installed ^[9]

CONTROL ^[5]

POE PR Power over Ethernet-ready

NOTES

- Lumen output based on 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- 2' width only
- Extended lead times may apply. Consult factory for availability.
- Decreases lumen output by 15%
- For additional PoE connection details, consult factory.

- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with NEMA F Option.
- Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- See page 3 for CROSS SECTIONS.



FIXTURE PERFORMANCE DATA

STATIC WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1649	14.4	115
	P25	2506	23.2	108
	P52	5240	46.9	112
2x2	P16	1649	14.4	115
	P25	2506	23.2	108
	P52	5240	46.9	112
2x4	P27	2743	21.7	126
	P58	5802	47.5	122
	P100 [1]	10049	81.2	124

TUNABLE WHITE

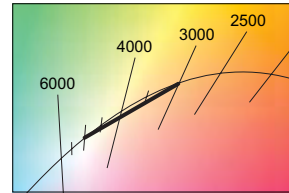
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P16	1605	15.4	104
	P25	2507	25.1	100
	P52	5224	50.1	104
2x2	P16	1605	15.4	104
	P26	2507	25.1	100
	P52	5224	50.1	104
2x4	P27	2717	24.2	112
	P58	5835	49.8	117
	P100 [1]	10070	95.2	106

MULTIPLIER TABLE

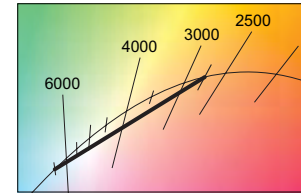
COLOR TEMPERATURE				
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	—	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	—	—	1.01
90 CRI	2700K	0.80	—	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	—	—	1.02

- ¹ Fixture contains two nodes, one power drop per node required.
- Photometrics tested in accordance with IESNA LM-79. Results based on D shielding, 80 CRI, 3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
 - Use multiplier tables to calculate additional options.

TW

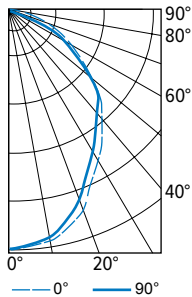


TW2



PHOTOMETRY

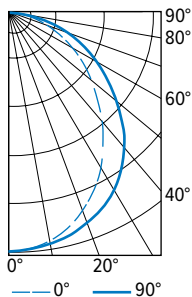
AT1-14-P52/835-D Total Luminaire Output: 5240 lumens; 47 Watts | Efficacy: 112 lm/W | 80 CRI; 3500K CCT



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 | 80 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

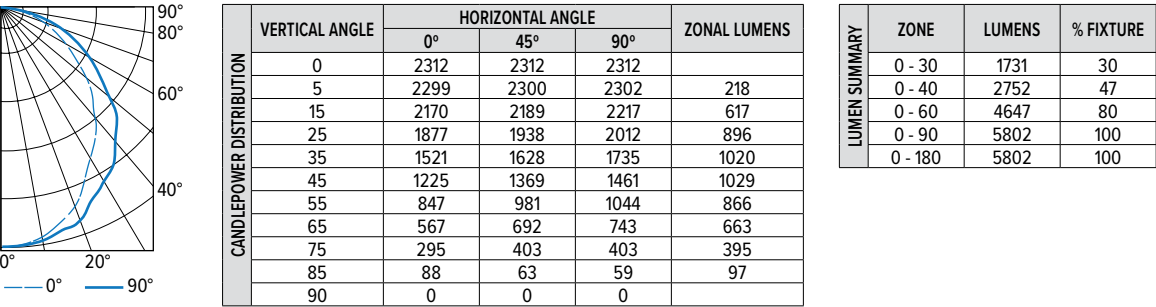
PHOTOMETRY CONTINUED ON NEXT PAGE.



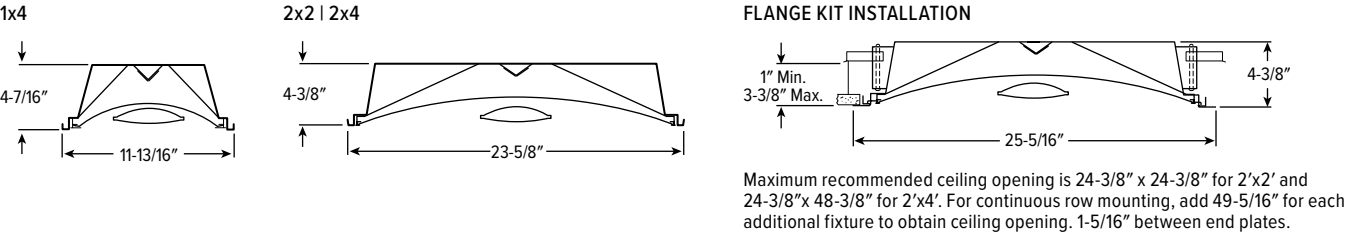
AT1 PoE | tunable WHITE

Architectural Troffer – Curved Floating Center

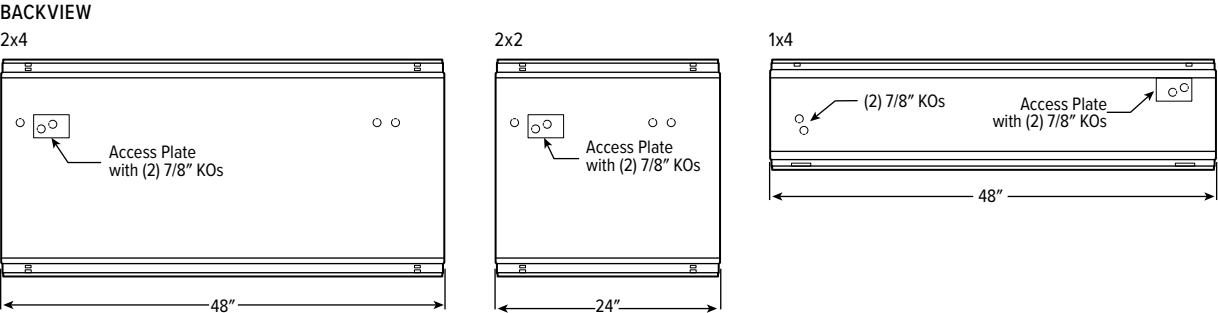
AT1-24-P58/835-D Total Luminaire Output: 5802 lumens; 47.5 Watts | Efficacy: 122 lm/W | 80 CRI; 3500K CCT



CROSS SECTIONS



FIXTURE DETAILS



SS | SS/PC OPTIONS GASKETING DETAILS

