

ARCHITECTURAL LED SURFACE – CURVED FLOATING CENTER

ATS1

PoE

CATALOG #: _____ TYPE: _____

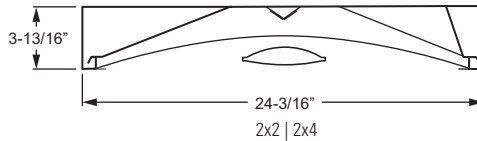
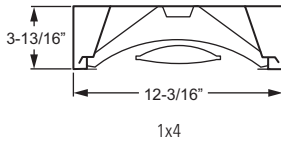
PROJECT: _____ NOTES: _____

EXAMPLE **ATS1 - 2 4 - P66/835 - D - OPTIONS - POE N**

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



CROSS SECTIONS



ORDERING INFORMATION

SERIES
ATS1 Architectural LED Surface – Curved Floating Center – PoE

NOMINAL WIDTH

1	1'
2	2'

NOMINAL LENGTH

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

LED PACKAGE

Example: P66/835			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	WATTAGE
1x4			
P18	1,800	827 = 82 CRI, 2700K	16
P25	2,500		24
P53	5,300		49
2x2			
P18	1,800	830 = 82 CRI, 3000K	15
P26	2,600	835 = 82 CRI, 3500K	24
P55	5,500	840 = 82 CRI, 4000K	49
2x4			
P31	3,100	840 = 82 CRI, 4000K	24
P66	6,600		49
P122	12,200		100

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see fixture performance data.

SHIELDING

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

OPTIONS

See page 3 for fixture details.
SS Gasketed clear flat acrylic lens (not available with OCC option)
AMW Anti-microbial white finish

ACCESSORIES

See hew.com/poe for compatible sensors & switches

CONTROL

For additional PoE info, see hew.com/poe
 Node requires remote mounting, see page 3 for details.
POE N Power over Ethernet network node
POE D Power over Ethernet device node (not available for fixtures over 40W)

FEATURES

- ▶ Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- ▶ 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
- ▶ 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



PoE

SPECIFICATIONS

Housing – 20-gauge die-formed, welded 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.

Mounting – Surface

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

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

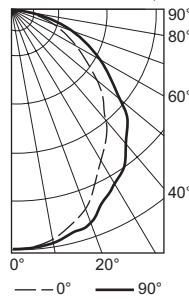
- ¹ Fixture contains two nodes
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
2700K/80CRI	0.97
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03

PHOTOMETRY

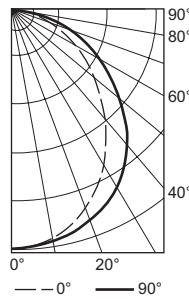
ATS1-24-P66/835-D Total Luminaire Output: 6609 lumens; 49 Watts
Efficacy: 135 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



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

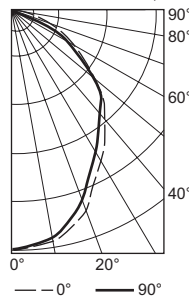
ATS1-22-P55/835-D Total Luminaire Output: 5512 lumens; 49 Watts
Efficacy: 112 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



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

ATS1-14-P53/830 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

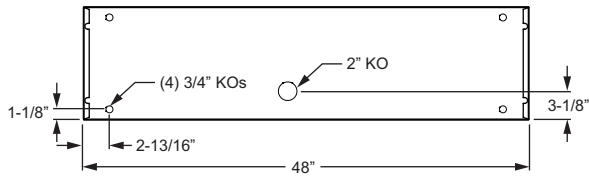


CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	2435	2435	2435		
5	2409	2403	2397	228	
15	2281	2249	2222	634	
25	1949	1891	1853	880	
35	1623	1561	1537	982	
45	1318	1272	1261	972	
55	909	887	853	792	
65	595	577	426	529	
75	290	207	189	256	
85	80	55	41	68	
90	0.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

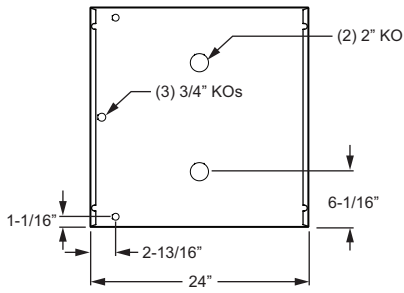
LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1742	33
	0 - 40	2724	51
	0 - 60	4488	84
	0 - 90	5341	100.0
	0 - 180	5341	100.0

FIXTURE DETAILS

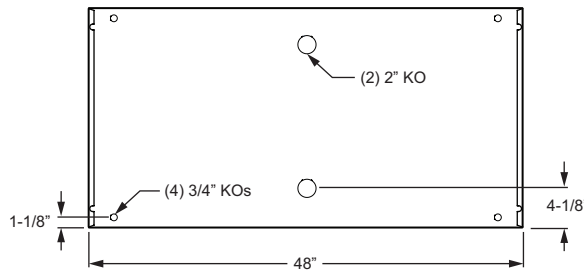
1x4 BACK VIEW



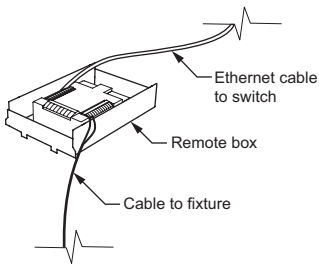
2x2 BACK VIEW



2x4 BACK VIEW



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.

