

ARCHITECTURAL LED SURFACE – CURVED FLOATING CENTER

ATS1

LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

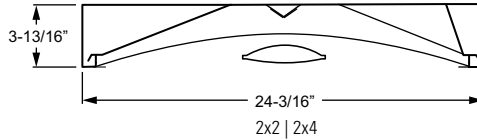
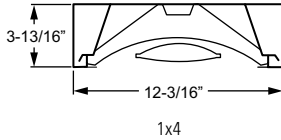
EXAMPLE

ATS1 - 2 4 - L70/835 - D - OPTIONS - DIM - UNV

SERIES NOM. W. NOM. L. LUMENS PER FOOT CRI & CCT SHIELDING OPTIONS DRIVER VOLTAGE



CROSS SECTIONS



ORDERING INFORMATION

SERIES

ATS1 Architectural LED Surface – Curved Floating Center

NOMINAL WIDTH

1 1'
2 2'

NOMINAL LENGTH

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

LED PACKAGE

Example: L70/835			WATTAGE	
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT		
1x4				
L20	2,000	827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K 850 = 82 CRI, 5000K	20	
L30	3,000		28	
L40	4,000		39	
L50	5,000		51	
L63	6,300		63	
2x2				
L20	2,000		21	
L30	3,000		31	
L40	4,000		44	
L50	5,000		50	
2x4				
L30	3,000	31		
L40	4,000	42		
L55	5,500	59		
L70	7,000	70		
L85	8,500	75		
L100	10,000	96		

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

SHIELDING

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

OPTIONS

See page 2 for fixture details.
EM/10W 10-watt emergency LED driver (120V-277V only; 2x2, 2x4 only)
EM/10WLP Low-profile 10-watt emergency LED driver (120V-277V only; 1x4 only)
(L__) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
Example: 5,000 nominal lumens = ATS1-24-L55/835-D-(L50).
SS Gasketed clear flat acrylic lens (not available with OCC option)
AMW Anti-microbial white finish

DRIVER

Additional dimming drivers available, see [Technical Info](#).
DRV Driver prewired for non-dimming applications
DIM Dimming driver prewired for 0-10V low voltage applications

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V (not available with EM drivers)

FEATURES

- ▶ 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
- ▶ Rated for 25°C ambient operating temperature.
- ▶ This fixture is proudly made in the USA



LED

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.

Mounting – Surface

Labels – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for 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			
L20	2048	20	102.4
L30	3003	28	107.3
L40	4052	39	103.9
L50	4826	51	94.6
L63	6294	63	99.9
2x2			
L20	1974	21	94.0
L30	2843	31	91.7
L40	3747	44	85.2
L50	4919	50	98.4
2x4			
L30	3085	31	99.5
L40	4003	42	95.3
L55	5445	59	92.3
L70	6965	70	99.5
L85	8445	75	112.6
L100	10445	96	108.8

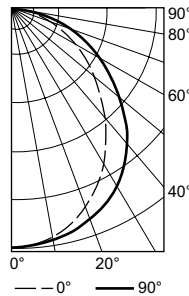
MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
2700K/80CRI	0.97
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03
5000K/80CRI	1.06

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

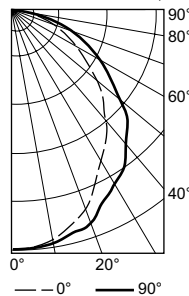
ATS1-22-L40/835-D-DIM-UNV Report #: 18874.0; 06/02/15 | Total Luminaire Output: 3747 lumens; 43 Watts
Efficacy: 87.0 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1452.	1452.	1452.	
5	1448.	1443.	1444.	137.9
15	1362.	1379.	1402.	391.3
25	1200.	1250.	1319.	581.5
35	987.	1085.	1180.	681.1
45	757.	862.	960.	667.5
55	544.	654.	723.	574.4
65	341.	442.	509.	429.5
75	165.	244.	273.	246.4
85	28.	36.	33.	37.2
90	0.	0.	0.	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1111.	29.6
	0 - 40	1792.	47.8
	0 - 60	3034.	81.0
	0 - 90	3747.	100.0
	0 - 180	3747.	100.0

ATS1-24-L70/835-D-DIM-UNV Report #: 18880.0; 06/10/15 | Total Luminaire Output: 6965 lumens; 70 Watts
Efficacy: 99.7 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2

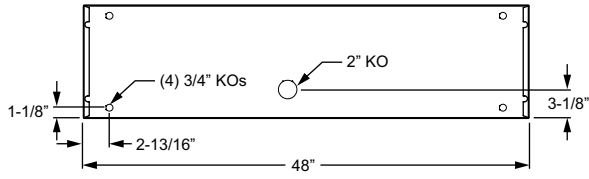


Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	2634.	2634.	2634.	
5	2614.	2614.	2618.	249.6
15	2455.	2496.	2541.	707.7
25	2125.	2230.	2347.	1033.7
35	1785.	1971.	2134.	1234.3
45	1403.	1640.	1781.	1250.2
55	987.	1209.	1311.	1057.2
65	650.	857.	920.	814.7
75	338.	500.	514.	494.4
85	101.	102.	107.	122.9
90	0.	0.	0.	

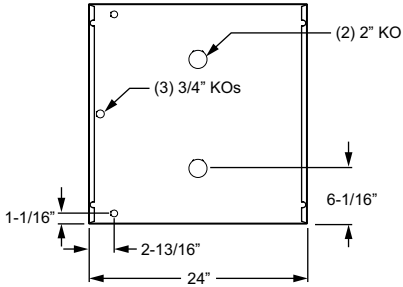
LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1991.	28.6
	0 - 40	3225.	46.3
	0 - 60	5533.	79.4
	0 - 90	6965.	100.0
	0 - 180	6965.	100.0

FIXTURE DETAILS

1x4 BACK VIEW



2x2 BACK VIEW



2x4 BACK VIEW

