

ARCHITECTURAL LED SURFACE – CURVED DEEP CENTER

ATS2

LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

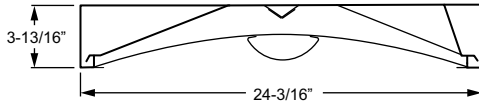
EXAMPLE

ATS2 - 2 4 - L70/835 - D - OPTIONS - DIM - UNV

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



CROSS SECTION



ORDERING INFORMATION

SERIES

ATS2 Architectural LED Surface – Curved Deep Center

NOMINAL WIDTH

2 2'

NOMINAL LENGTH

2 2'
4 4'

OPTIONS

See page 3 for fixture details.

EM/10W (L__) 10-watt emergency LED battery (120V-277V only)
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 =
ATS2-24-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)

LED PACKAGE

Example: L70/835			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	WATTAGE
2x2			
L20	2,000	827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K 850 = 82 CRI, 5000K	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		86
L100	10,000		99

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%)

DIFFUSE CENTER DECORATIVE INSERTS

Only available with D shielding option. See page 3 for details

D11 Triple wave
D12 Brushed metal
D13 Elliptical Perf
D14 Circles
D15 Stripes
D16 Tri-Pyramid



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)
2x2			
L20	1972	21	93.9
L30	2822	31	91.0
L40	3775	43	87.7
L50	5033	50	100.7
2x4			
L30	3053	31	98.5
L40	3940	42	93.8
L55	5356	59	90.8
L70	6903	70	98.8
L85	8273	86	96.2
L100	10367	99	104.7

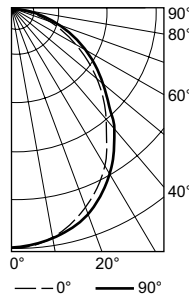
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

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

PHOTOMETRY

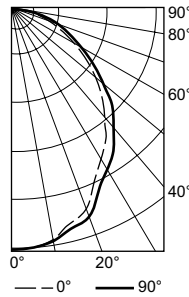
ATS2-22-L40/835-D-DIM-UNV Report #: 18885.0; 06/02/15 | Total Luminaire Output: 3775 lumens; 43 Watts
Efficacy: 87.7 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	1521.	1521.	1521.	1521.	
5	1517.	1510.	1508.	144.2	
15	1429.	1434.	1452.	407.6	
25	1269.	1293.	1331.	601.2	
35	1054.	1096.	1140.	692.0	
45	812.	877.	894.	673.7	
55	591.	645.	665.	568.2	
65	371.	416.	449.	409.7	
75	182.	221.	240.	230.3	
85	36.	55.	40.	48.0	
90	0.	0.	0.		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30		1153.	30.5
0 - 40		1845.	48.9
0 - 60		3087.	81.8
0 - 90		3775.	100.0
0 - 180		3775.	100.0

ATS2-24-L70/835-D-DIM-UNV Report #: 18891.0; 06/10/15 | Total Luminaire Output: 6903 lumens; 70 Watts
Efficacy: 98.8 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.1

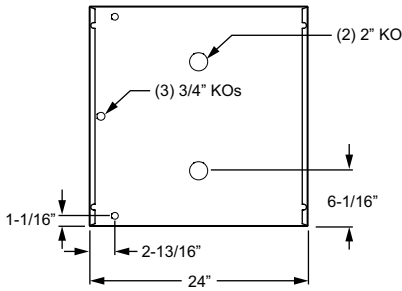


CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	2850.	2850.	2850.	2850.	
5	2823.	2823.	2826.	269.5	
15	2639.	2666.	2697.	755.9	
25	2286.	2348.	2409.	1086.6	
35	1920.	2010.	2077.	1259.0	
45	1510.	1609.	1680.	1240.8	
55	1055.	1138.	1186.	1012.6	
65	681.	752.	790.	739.4	
75	343.	413.	436.	423.1	
85	92.	112.	101.	115.6	
90	0.	0.	0.		

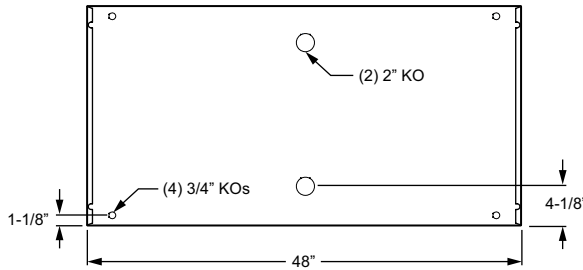
LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30		2112.	30.6
0 - 40		3371.	48.8
0 - 60		5625.	81.5
0 - 90		6903.	100.0
0 - 180		6903.	100.0

FIXTURE DETAILS

2x2 BACK VIEW



2x4 BACK VIEW



DIFFUSE CENTER DECORATIVE INSERT DETAILS

