

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



## FEATURES

- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- HE option delivers superior efficacies up to 152 lm/W
- Optional gasketed acrylic lens helps protect against contaminants
- Optional anti-microbial finish suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Diffuse or perforated lens options enhance the space
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – 20-gauge die-formed, welded C.R.S.
- DOOR FRAME** – Hinged, flat, extruded aluminum door frame with optical assembly.
- SHIELDING** – Diffuse molded acrylic lens with center detail.
- 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. L80 > 102,000 hours with HE option. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple shades of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING** – Surface or suspended
- LISTINGS**
  - cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [hew.com/buy-american](http://hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## ORDERING EXAMPLE: ATS1 - 2 4 - L70/835 - D - OPTIONS - CONTROL/DIM - UNV

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
ATS1	1 1' <sup>[2]</sup>	2 2'	1x4	8 80	27	2700K
			L30 3,000lm			
	L50 5,000lm	35	3500K			
	L63 6,300lm <sup>[3]</sup>			40	4000K	
	2x2	L30 3,000lm	50			5000K
		L40 4,000lm		TW	Tunable white (3000K-5000K)	
	L50 5,000lm	TW2	Tunable white (2700K-6500K)			
	2x4			L40 4,000lm	L70	7,000lm
		L55 5,500lm				
		L70 7,000lm				
		L100 10,000lm <sup>[4]</sup>				

## OPTIONS

See page 3 for [SUSPENDED MOUNTING OPTIONS](#).  
See page 3 for [FINISH OPTIONS](#).

<b>EM/10W</b>	10-watt emergency battery <sup>[7]</sup>
<b>EM/10WLP</b>	Low-profile 10-watt emergency battery <sup>[8]</sup>
<b>EM/12W</b>	12-watt emergency battery <sup>[9]</sup>
<b>(L__)</b>	Additional lower lumen packages available <sup>[10]</sup> Example: 5,000 nominal lumens = ATS1-24-L55/835-D-(L50)
<b>HE</b>	High efficacy lumen package <sup>[11]</sup>
<b>SS</b>	Sani-shield acrylic cover with double gasket <sup>[12]</sup>
<b>SS/PC</b>	Sani-shield polycarbonate cover with double gasket <sup>[13]</sup>
<b>AMW</b>	Anti-microbial white finish

## CONTROL<sup>[6]</sup>

Click [HERE](#) for control and sensor options.

– None

## DRIVER

See page 4 for [ADDITIONAL DRIVER OPTIONS](#).

<b>DIM</b>	Driver with external 0-10V dimming wires	<b>120</b> 120V
<b>DIM1</b>	1% Driver with external 0-10V dimming wires	<b>277</b> 277V
<b>DRV</b>	Driver without external dimming wires <sup>[15]</sup>	<b>UNV</b> 120-277V
		<b>347</b> 347V <sup>[14]</sup>

## NOTES

- Lumen output based on D Shielding, 80 CRI/3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%, see page 2 for [FIXTURE PERFORMANCE DATA](#).
- Additional lumen package available, see Options.
- 4' length only.
- Static white CCT only.
- Static white CCT only.
- Decreases lumen output by 15%
- See page 4 for [SENSOR & NODE PLACEMENT DETAILS](#).
- 2x2, 2x4 only.
- 1x4 only.

- 2x2, 2x4 only. Not available when CEC regulations are required.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Not available with tunable white or 90 CRI or 2x4 L40 lumen package. See page 2 for [FIXTURE PERFORMANCE DATA](#).
- Reduces lumen output by 10%. Not available with integral control sensors.
- Reduces lumen output by 10%. Not available with integral control sensors.
- Not available with tunable white or EM batteries.
- Not available with tunable white.



# ATS1 LED Architectural Surface – Curved Floating Center

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	STANDARD		HE OPTION <sup>[1]</sup>	
			WATTAGE	EFFICACY (lm/W)	WATTAGE	EFFICACY (lm/W)
1x4	L30	3028	29.5	103	20.6	147
	L50	5056	48.3	105	35.8	141
	L63	6318	62.4	101	42.9	147
2x2	L30	3028	29.5	103	22.0	138
	L40	4120	37.2	111	29.5	140
	L50	5056	48.3	105	39.4	128
2x4	L40	4035	34.2	118	–	–
	L55	5523	48.0	115	36.7	151
	L70	7002	63.3	111	46.8	150
	L100	10125	86.9	117	66.7	152

<sup>1</sup> Not available with 90 CRI.

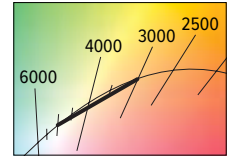
- Photometrics tested in accordance with IESNA LM-79. Results based on D Shielding, 80 CRI, 3500K for single CCT and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.
- HE Option is recommended for POE PR fixtures. Fixture efficacy is typically 10-12% higher than above at same lumen level. Consult factory during project design phase for details.

## MULTIPLIER TABLE

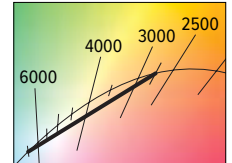
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01

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

## TW

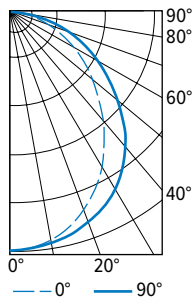


## TW2



## PHOTOMETRY

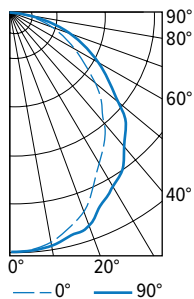
**ATS1-22-L40/835-D-DIM-UNV** Total Luminaire Output: 4120 lumens; 37.2 Watts | Efficacy: 111 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1556	1556	1556	
5	1557	1550	1549	147
15	1468	1485	1511	419
25	1295	1353	1429	625
35	1089	1171	1282	736
45	840	948	1054	732
55	600	723	793	635
65	382	495	564	479
75	197	290	323	279
85	44	54	48	65
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1191	29
	0 - 40	1928	47
	0 - 60	3296	80
	0 - 90	4120	100
	0 - 180	4120	100

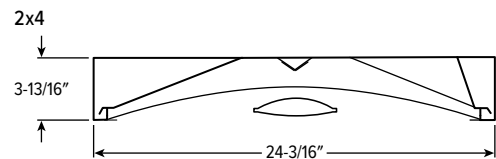
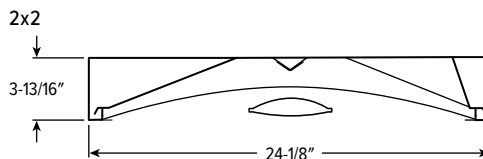
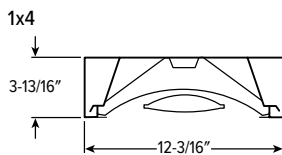
**ATS1-24-L70/835-D-DIM-UNV** Total Luminaire Output: 7002 lumens; 63.3 Watts | Efficacy: 111 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2694	2694	2694	
5	2696	2701	2703	256
15	2533	2576	2626	725
25	2185	2298	2426	1064
35	1835	2023	2194	1250
45	1396	1632	1771	1232
55	982	1203	1296	1052
65	643	843	912	804
75	336	500	514	487
85	95	102	105	133
90	0	0	0	

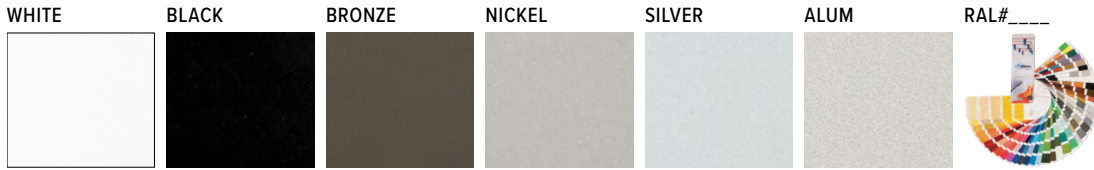
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2044	29
	0 - 40	3294	47
	0 - 60	5578	80
	0 - 90	7002	100
	0 - 180	7002	100

## CROSS SECTIONS



# ATS1 LED Architectural Surface – Curved Floating Center

## FINISH OPTIONS

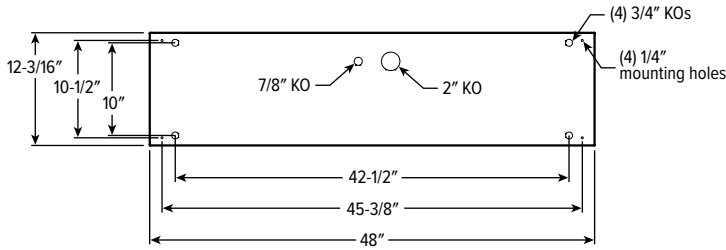


For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

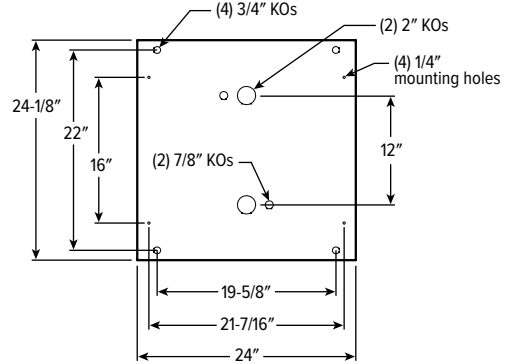
## FIXTURE DETAILS

### BACKVIEW

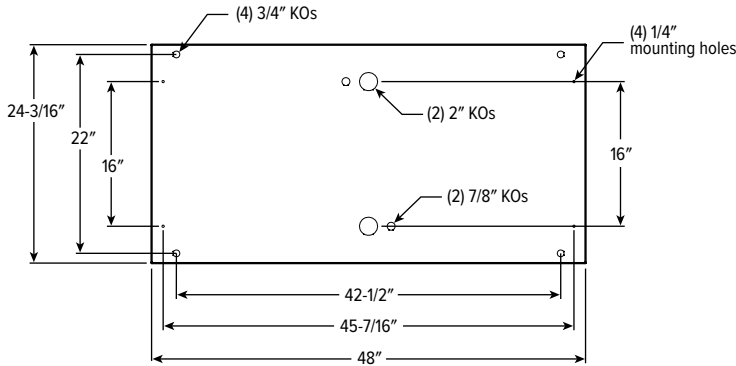
1x4



2x2



2x4



## SUSPENDED MOUNTING OPTIONS

### AIRCRAFT CABLE

ORDERING EXAMPLE: ACF*4P/D48		
PREFIX	TYPE	LENGTH
ACF*4P/	D 1" grid & hardpan	24 24"
	N 9/16" grid	48 48"
	S Slot grid	96 96"
		144 144"
		192 192"
		240 240"
		300 300"

Four point mount adjustable aircraft cable

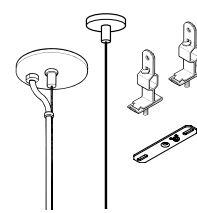
### CORD OPTIONS

Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND. <sup>[1]</sup>	WIRE SIZE	COLOR
S	24 24"	3	8D 18ga	/W White /B Black
	48 48"	4		
	96 96"	5		
		6		

<sup>1</sup> Includes (2) 22ga purple & pink dimming conductors

### STANDARD HARDWARE (Grid & Hardpan)

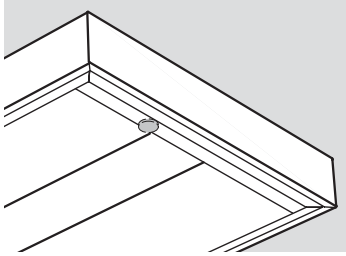


- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- One 5" canopy used at power feed location to cover the junction box. Three other suspension points use 2" canopy at the non-feed point. No J-box is required at non-feed points.



# ATS1<sup>LED</sup> Architectural Surface – Curved Floating Center

## SENSOR & NODE PLACEMENT DETAILS



## ADDITIONAL DRIVER OPTIONS

Note: Restrictions may apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder)

CATALOG NUMBER	DESCRIPTION
DRV <sup>[1]</sup>	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls dimming and (1) 0-10V signal controls CCT)
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE <sup>[1]</sup>	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC <sup>[1]</sup>	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40 <sup>[1]</sup>	40% step-dimming driver
SD50 <sup>[1]</sup>	50% step-dimming driver
LDE1 <sup>[1]</sup>	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
PoE PR	Power over Ethernet-ready, fixture powered and controlled by remote UL- or CSA-listed PoE driver

<sup>1</sup> Single CCT only.

## TUNABLE WHITE DRIVER DETAILS

