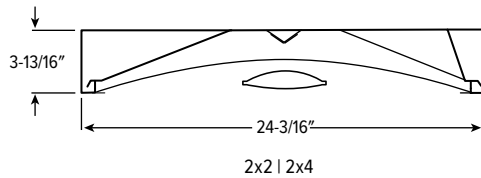


# ATS1<sup>LED</sup> Architectural Surface – Curved Floating Center



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

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

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

## FEATURES

- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- Maximize energy savings with efficacies as high as 116 lm/w
- Optional gasketed acrylic lens helps protect against contaminants
- Made Right Here<sup>®</sup> 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 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 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.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

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

### ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING		
ATS1	1 1'	2 2' <sup>[2]</sup>	1x4	8 80	27 2700K	D Diffuse matte acrylic center		
		2 2'	L30 3,000lm	9 90 <sup>[3]</sup>	30 3000K			
	2 2'	4 4'	L50 5,000lm	2x2	35 3500K	40 4000K	P Perforated center <sup>[4]</sup>	
			L63 6,300lm					L30 3,000lm
			L50 5,000lm					L40 4,000lm
	2x4	L50 5,000lm	L40 4,000lm	L55 5,500lm	L70 7,000lm	L100 10,000lm		
								L40 4,000lm
								L55 5,500lm
								L70 7,000lm

### OPTIONS<sup>[5]</sup>

<b>EM/7W</b>	7-watt emergency battery <sup>[7]</sup>
<b>EM/10W</b>	10-watt emergency LED battery <sup>[8]</sup>
<b>EM/10WLP</b>	Low-profile 10-watt emergency LED battery <sup>[9]</sup>
<b>EM/12W</b>	12-watt emergency LED battery <sup>[10]</sup>
<b>(L__)</b>	Additional lower lumen packages available. <sup>[11]</sup> Example: 5,000 nominal lumens = AT51-24-L55/835-D-(L50).
<b>SS</b>	Gasketed clear flat acrylic lens
<b>AMW</b>	Anti-microbial white finish

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

<b>DIM</b>	Dimming driver	<b>120</b>	120V
<b>DRV</b>	Non-dimming driver	<b>277</b>	277V
<b>VDO/DSR</b>	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver	<b>UNV</b>	120-277V
<b>VRF/DSR</b>	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver	<b>347</b>	347V <sup>[12]</sup>

### VOLTAGE

## NOTES

- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options
- 2' width only
- Extended lead times may apply. Consult factory for availability.
- Decreases lumen output by 15%
- See page 4 for FINISH OPTIONS. Suspended mounting available. See page 4 for SUSPENDED MOUNTING DETAILS.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- 120V-277V only
- 120V-277V only; 2x2, 2x4 only
- 120V-277V only; 1x4 only
- 120V-277V only; 2x2, 2x4 only
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Not available with EM drivers



# ATS1 LED Architectural Surface – Curved Floating Center

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L30	3028	29.5	102.6
	L50	5056	48.3	104.7
	L63	6318	62.4	101.3
2x2	L30	3028	29.5	102.6
	L40	4120	37.2	110.8
	L50	5056	48.3	104.7
2x4	L40	4035	34.2	118.1
	L55	5523	48.0	115.0
	L70	7002	63.3	110.6
	L100	10125	86.9	116.5

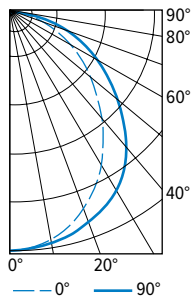
## MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

- 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

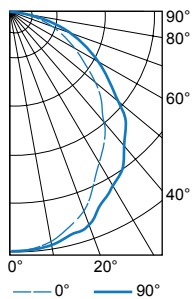
ATS1-22-L40/835-D-DIM-UNV Total Luminaire Output: 4120 lumens; 37 Watts | Efficacy: 111 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	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 Watts | Efficacy: 111 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	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

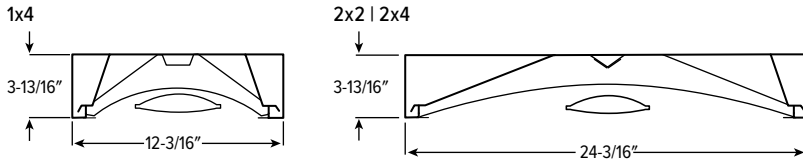


## ADDITIONAL CONTROL OPTIONS

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

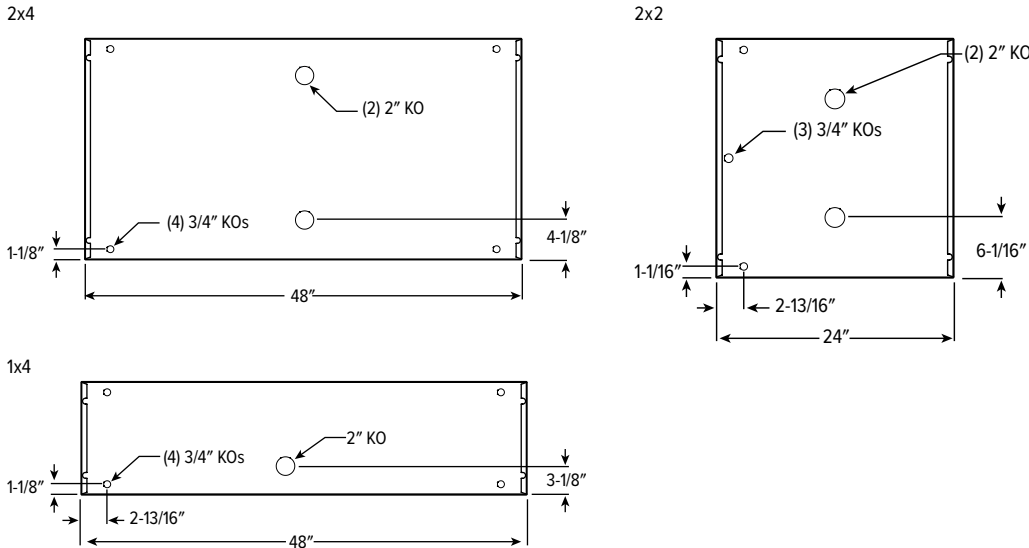
CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (Must specify 120V or 277V only)
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
VDO/DSR	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver
VDO/DBI/LDE1	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VDO/DBI/LDE5	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE5	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

## CROSS SECTIONS



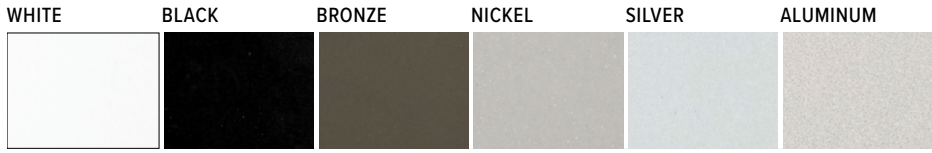
## FIXTURE DETAILS

### BACKVIEW



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

## FINISH OPTIONS



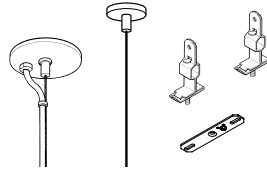
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

## SUSPENDED MOUNTING DETAILS

### ORDERING INFO (EXAMPLE: ACF\*4P/D48)

Prefix	Type	Length
ACF*4P	Adjustable Aircraft Cable	D 1" grid & hardpan 24 24"
		48 48"
		N 9/16" grid 96 96"
		S Slot grid 144 144"
		192 192"
		240 240"
		300 300"

### 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.

