

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

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

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

## FEATURES

- Backlit curved lens provides uniform illumination for visual comfort
- Distinct curved deep center detail creates a highly-aesthetic presence
- Available with decorative inserts to customize center lens
- Maximize energy savings with efficacies as high as 118 lm/w
- Optional gasketed acrylic lens helps protect against contaminants
- Available with Avi-on wireless fixture controls
- 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 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: ATS2 - 2 4 - L70/835 - D - OPTIONS - CONTROL/DIM - UNV

### ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING	
ATS2	2 2'	2 2'	2x2	8 80	27 2700K	D Diffuse matte acrylic center	
		4 4'	L30 3,000lm	9 90 <sup>[2]</sup>	30 3000K	P Perforated center <sup>[3]</sup>	
	2x4		L40 4,000lm		35 3500K	<b>DECORATIVE INSERTS<sup>[4]</sup></b>	
			L50 5,000lm		40 4000K	D11 Triple wave	
			L40 4,000lm		50 5000K	D12 Brushed metal	
			L55 5,500lm			D13 Elliptical Perf	
			L70 7,000lm			D14 Circles	
			L100 10,000lm			D15 Stripes	
						D16 Tri-Pyramid	

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

<b>EM/7W</b>	7-watt emergency LED battery
<b>EM/10W</b>	10-watt emergency LED battery
<b>EM/12W</b>	12-watt emergency LED battery
<b>(L___)</b>	Additional lower lumen packages available. <sup>[7]</sup> Example: 5,000 nominal lumens = ATS2-24-L55/835-D-(L50).
<b>SS</b>	Sani-shield acrylic cover with double gasket. <sup>[8]</sup>
<b>SS/PC</b>	Sani-shield polycarbonate cover with double gasket. <sup>[9]</sup>
<b>AMW</b>	Anti-microbial white finish

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

–	None
<b>AVI-LVFA</b>	Avi-on wireless fixture control <sup>[10]</sup>
<b>AVI-LVFA-CS2-PIR</b>	Avi-on wireless fixture control with PIR motion and daylight sensor <sup>[11]</sup>
<b>VDO</b>	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>[12]</sup>
<b>VRF</b>	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>[13]</sup>

### DRIVER<sup>[14]</sup>

DRIVER <sup>[14]</sup>	VOLTAGE
<b>DIM</b> Driver with external dimming wires	120 120V
<b>DRV</b> Driver without external dimming wires	277 277V
<b>DA</b> Driver with 12V auxiliary power, without external dimming wires <sup>[15]</sup>	UNV 120-277V
<b>DSR</b> Sensor-ready driver without external dimming wires <sup>[16]</sup>	347 347V <sup>[17]</sup>

## 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.
- Extended lead times may apply. Consult factory for availability.
- Decreases lumen output by 15%
- Only available with D shielding option. See page 3 for DIFFUSE CENTER DECORATIVE INSERT DETAILS.
- See page 3 for FINISH OPTIONS. Custom colors available upon request. Suspended mounting available. See page 3 for SUSPENDED MOUNTING DETAILS.
- See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR PLACEMENT DETAILS. See page 5 for ADDITIONAL CONTROL OPTIONS.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Reduces lumen output by 10%.
- Reduces lumen output by 10%.
- DA Driver only.
- DA Driver only.
- DSR or LDE Drivers only. LDE drivers require driver interface.
- DSR or LDE Drivers only. LDE drivers require driver interface.
- See page 5 for ADDITIONAL DRIVER OPTIONS.
- Avi-on Controls only.
- VDO and VRF Controls only.
- Not available with EM batteries or Avi-on Controls.



# ATS2 LED Architectural Surface – Curved Deep Center

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L30	3119	29.5	105.7
	L40	4243	37.2	114.2
	L50	5208	48.3	107.8
2x4	L40	4117	34.2	120.5
	L55	5633	48.0	117.3
	L70	7143	63.3	112.8
	L100	10328	86.9	118.7

### MULTIPLIER TABLE

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

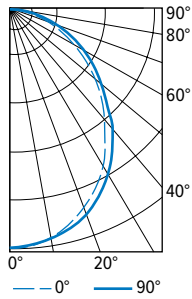
  

2700K	0.80
3000K	0.82
3500K	0.83
4000K	0.86
5000K	0.89

- 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

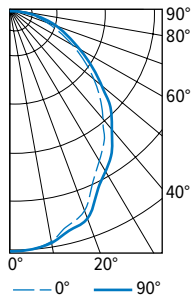
**ATS2-22-L40/835-D-DIM-UNV** Total Luminaire Output: 4117 lumens; 34 Watts | Efficacy: 120 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1729	1729	1729	
	5	1729	1729	1731	164
	15	1618	1636	1656	460
	25	1398	1439	1473	663
	35	1171	1225	1268	757
	45	888	945	984	723
	55	620	669	694	597
	65	397	440	461	431
	75	201	241	253	249
	85	52	65	60	72
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1287	31
	0 - 40	2044	50
	0 - 60	3364	82
	0 - 90	4117	100
	0 - 180	4117	100

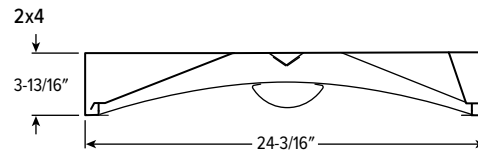
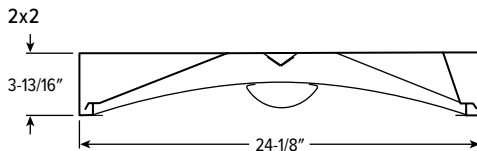
**ATS2-24-L70/835-D-DIM-UNV** Total Luminaire Output: 7143 lumens; 63 Watts | Efficacy: 113 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	3000	3000	3000	
	5	3000	3000	3004	284
	15	2807	2839	2873	798
	25	2425	2496	2556	1151
	35	2032	2126	2200	1314
	45	1540	1639	1708	1254
	55	1076	1161	1205	1036
	65	690	763	800	749
	75	349	418	439	432
	85	90	113	103	126
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2233	31
	0 - 40	3547	50
	0 - 60	5837	82
	0 - 90	7143	100
	0 - 180	7143	100

## CROSS SECTIONS

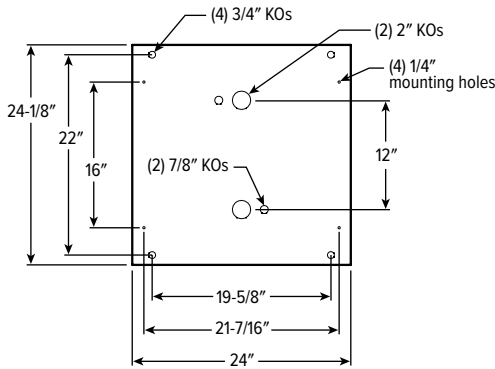


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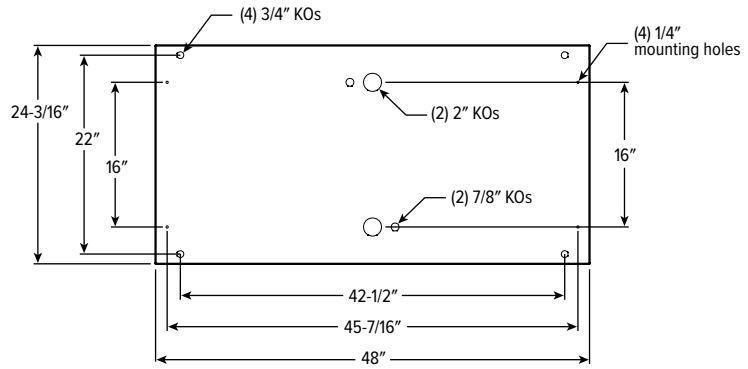
## FIXTURE DETAILS

### BACKVIEW

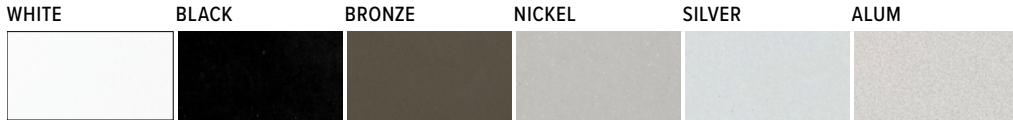
2x2



2x4

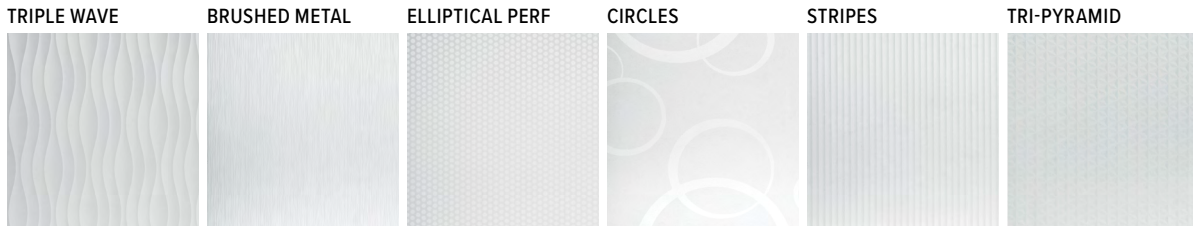


## FINISH OPTIONS



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.

## DIFFUSE CENTER DECORATIVE INSERT DETAILS



## SUSPENDED MOUNTING DETAILS

### AIRCRAFT CABLE

ORDERING EXAMPLE: ACF*4P/D48			
PREFIX	TYPE	LENGTH	
ACF*4P	Four point mount adjustable aircraft cable	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"	

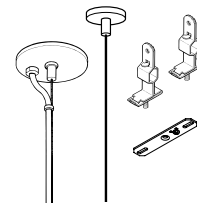
### CORD OPTIONS

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		

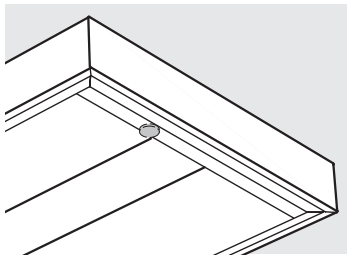
<sup>1)</sup> Includes (2) 22ga purple & pink dimming conductors

### 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.

## SENSOR PLACEMENT DETAILS



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## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### AVI-ON NETWORK FEATURES

#### Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

#### Scalable

- Virtually unlimited network size
- Spans small areas to large warehouses
- Flexible control strategies

#### Secure

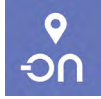
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

### DIGITAL INSTALLATION TOOLS

Avi-On mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

### SYSTEM COMPONENTS



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### ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered
CONNECTIVITY	
AVI-2001RAB-01-P	Remote access bridge for projects 100 or greater
AVI-2001RAB-01-C	Remote access bridge for projects less than 100
AVI-KIT-NTM	Network time manager with Battery Backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)

### AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

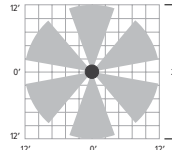
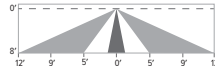
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On

Bluetooth® Lighting Controls

### SENSOR COVERAGE PATTERNS

Side View

8' height: Ø24' coverage



### SENSOR DETAIL



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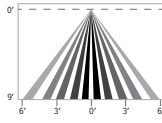
## ADDITIONAL CONTROL OPTIONS

**VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC). DSR or LDE Drivers only. LDE drivers require driver interface

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)
MANUFACTURER	Lutron

### SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



### MOTION SENSOR COVERAGE

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

### SENSOR DETAIL



## VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
VRF/DBI	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver

## ADDITIONAL DRIVER 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 (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Dimming driver with 12V auxiliary
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver