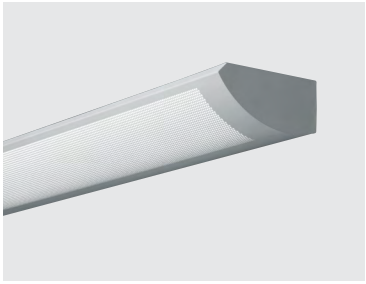
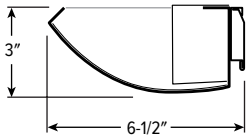
AIW LED
Architectural Indirect Wall





Shown with mounting bracket

CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT

FEATURES

- Complementary to Williams' AI3 Series, the decorative and versatile AIW provides functional indirect illumination
- Non-perforated housing or 33% open perforation beneath LEDs offers choice of appearance
- Translucent matte white acrylic over perforations provides uniform, luminous effect
- Fixture attaches to wall bracket for simple installation
- Driver and wireway assembly remove for easy maintenance
- Self-aligning joining method ensures straight rows
- Maximize energy savings with efficacies up to 122 lm/W
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 20-gauge die-formed, welded C.R.S.
- REFLECTIVE SURFACES – 92% minimum average reflective white polyester powder coat on interior steel components.
- SHIELDING – Die-formed C.R.S. white polyester powder coated diffuser. Frosted acrylic.
- FINISH – Textured matte white polyester TGIC 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. L80 >72,000 hours per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING – Fixture attaches to wall mounted, powder coated, die-formed C.R.S. bracket.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: AIW P33 - 4 - L6/835 - OPTIONS - CONTROL/DIM - UNV

SERIES	PERFORATION OPTIONS [1]	LENGTH	LUMENS [2]	CRI	CCT
AIW	**P33** 33% open perforation with matte white acrylic overlay	**Stand-alone** – 4′ & 8′ nominal lengths, fixture ships assembled. Example: **4** = 4′	**L6** 600lm	**8** 80	**27** 2700K
	SLD Solid bottom	**Row-mount** – Lengths specified in 4′ increments Example: **12** = 12′	**L11** 1,100lm	**9** 90	**30** 3000K
		PRODUCT BUILDER Simplify ordering & layout design with the Williams Linear Product Builder at hew.com/product-builder			**35** 3500K
					40 4000K
					50 5000K

OPTIONS

See page 3 for FINISH OPTIONS.

EM/10WLP Low-profile 10-watt emergency battery

(L__) Additional lower lumen packages available [3] **Example:** 900 lumens = AIWP33-4-L11/835-**(L9)**

CONTROL

See page 4 for ADDITIONAL CONTROL/ DRIVER OPTIONS.

– None

AVI-LVFA Avi-on wireless fixture control [4]

AWNR Lutron Athena wireless node integral fixture control, RF only [5]

DRIVER

See page 4 for ADDITIONAL CONTROL/ DRIVER OPTIONS.

DIM Driver with external 0-10V dimming wires

DRV Driver without external dimming wires

DA Driver with 12V auxiliary power, without external dimming wires [6]

DSR Sensor-ready driver without external dimming wires (D4i DALI-2) [7]

VOLTAGE

120 120V

277 277V

UNV 120-277V

347 347V [8]

NOTES

1 See page 2 for PERFORATION OPTIONS DETAILS.

2 Lumens per foot output based on P33 Perforation, 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.

3 (L7) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

4 DA Driver only. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.

5 DA and DSR Drivers only.

6 Avi-on and Lutron Athena Controls only.

7 Lutron Athena Controls only.

8 Not available with EM batteries, DA, or DSR drivers.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	L6	2,405	20.8	116
	L11	4,471	37.5	119
8'	L6	4,811	40.0	120
	L11	8,810	72.0	122

- Photometrics tested in accordance with IESNA LM-79. Results based on P33 perforation, 80 CRI/3500K CCT, 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 tables to calculate additional options.

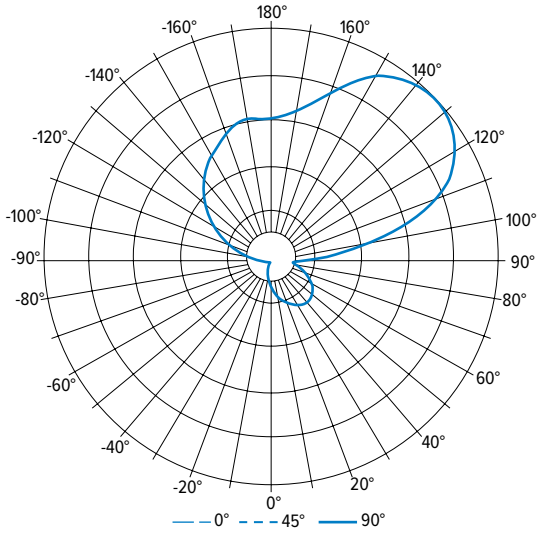
MULTIPLIER TABLES

	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

PERFORATION	CONVERSION FACTOR
P33	1.00
SLD	0.87

PHOTOMETRY

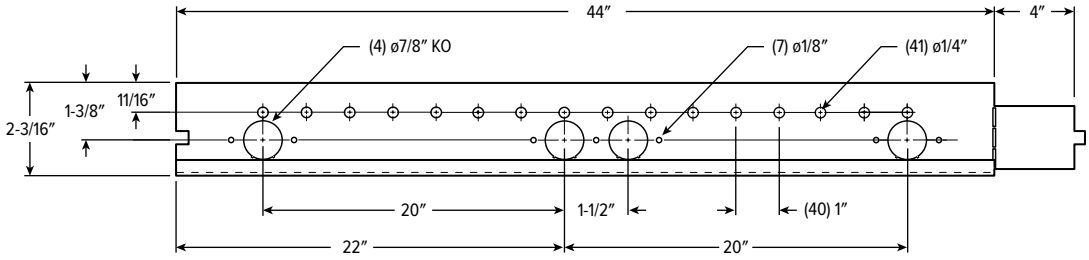
AIWP33-4-L6/835-DIM-UNV Total Luminaire Output: 2405 lumens; 20.8 Watts | Efficacy: 116 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	135°	180°	ZONAL LUMENS
	0	112	112	112	112	112	
	5	121	120	114	103	99	11
	15	143	132	108	83	76	31
	25	160	139	97	61	52	46
	35	169	138	81	40	31	56
	45	170	130	61	22	15	59
	55	162	116	40	11	7	56
	65	144	96	22	5	3	49
	75	118	71	11	3	2	38
	85	87	44	4	3	2	26
	90	69	31	2	3	4	
	95	73	55	29	36	40	50
	105	196	171	96	98	102	138
	115	459	378	178	162	163	256
	125	823	661	287	244	238	382
	135	964	744	391	351	339	410
	145	856	685	449	428	428	345
	155	722	614	481	471	469	251
	165	606	556	506	509	505	151
	175	528	520	519	517	522	50
	180	517	517	517	517	517	

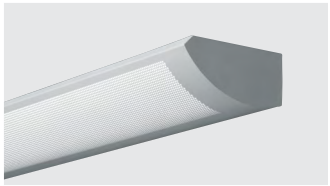
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	88	4
	0 - 40	144	6
	0 - 60	259	11
	0 - 90	372	16
	90 - 120	443	18
	90 - 150	1581	66
	90 - 180	2033	85
	0 - 180	2405	100

BACKVIEW

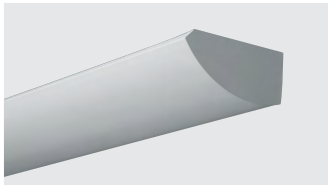


PERFORATION OPTIONS DETAILS

P33



SLD



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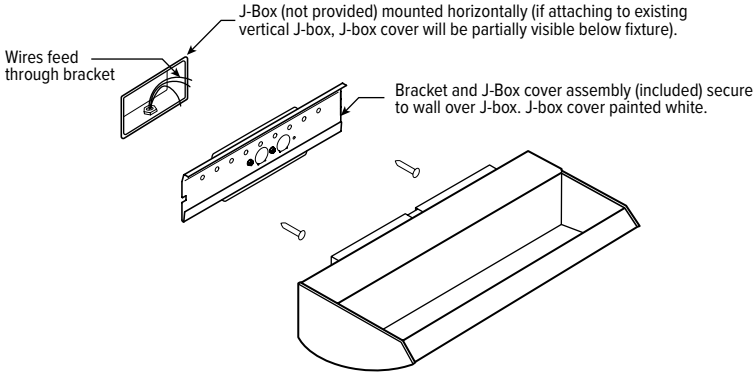
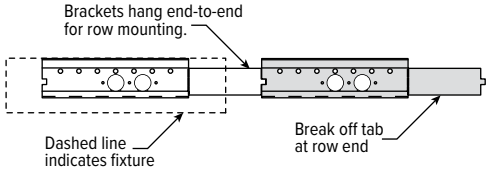
MOUNTING DETAILS





FINISH OPTIONS

WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUM

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.

SEE NEXT PAGE FOR CONTROL DETAILS

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AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

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

Scalable

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

Secure

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

COMMISSIONING & INSTALLATION TOOLS

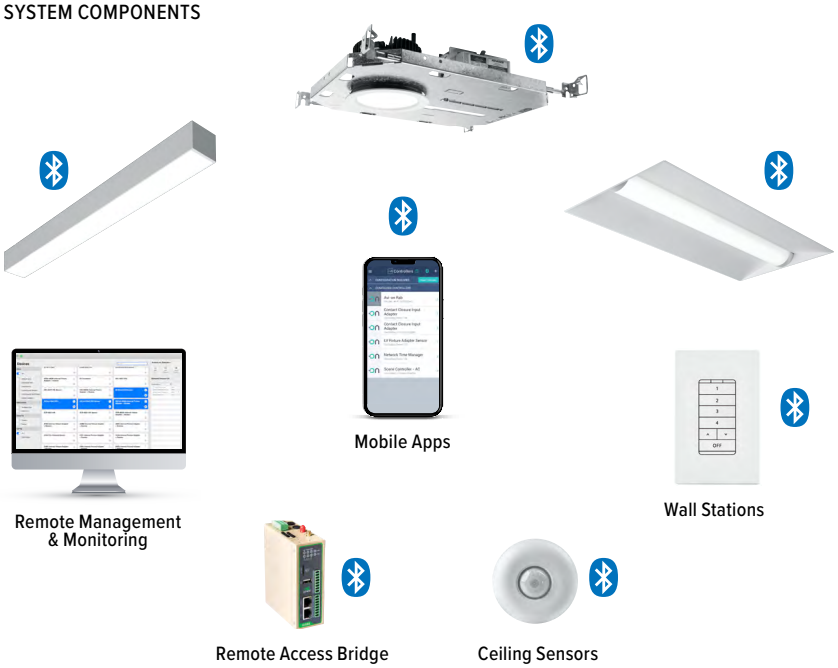
Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.

Commissioning Mobile App

Zone Scanner Web App

Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-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

ADDITIONAL CONTROL/DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power, without external dimming wires
AWNR/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power, without external dimming wires
AWNR/DSR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver without external dimming wires (D4i DALI-2)
DRV	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DIM1	1% driver with external dimming wires 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)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver