

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

Type: \_\_\_\_\_

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

## FEATURES

- Complementary to Williams' AIW Series, the decorative and versatile AI3 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
- Die-formed, decorate end caps
- 90° corners available
- Maximize energy savings with efficacies as high as 125 lm/W
- Driver and wireway assembly remove for easy maintenance
- Self-aligning joining method ensures straight rows
- 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. L70 >50,000 hours.
- MOUNTING** – Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid ceiling applications provided.
- LISTINGS** – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## ORDERING EXAMPLE: AI3 P33 - 4 - L27/835 - AC/D48 - OPTIONS - DIM - UNV

### ORDERING INFO

SERIES	PERFORATION OPTIONS <sup>[1]</sup>	LENGTH	LUMENS <sup>[2]</sup>	CRI	CCT
AI3	P33 33% open perforation with 2 matte white acrylic overlay strips	Stand-alone – 4' & 8' nominal lengths, fixture ships assembled. Example: 4 = 4'	L16 1,600lm	8 80	27 2700K
		Row-mount – Lengths specified in 4' increments Example: 12 = 12'	L27 2,700lm	9 90 <sup>[3]</sup>	30 3000K
	P33F 33% open perforation, full				35 3500K
	SLD Solid bottom				40 4000K
					50 5000K

**PRODUCT BUILDER**  
Simplify ordering & layout design with the Williams Linear Product Builder at [hew.com/product-builder](http://hew.com/product-builder)

### MOUNTING (EXAMPLE: AC/D48) <sup>[4]</sup>

Prefix	Type	Length
AC/	D 1" grid & hardpan	24 24"
	N 9/16" grid	48 48"
	S Slot grid	96 96"

### OPTIONS

EM/7W	7-watt emergency battery
EM/10W	10-watt emergency battery
AI390	Corner assembly <sup>[5]</sup>

### OCCUPANCY SENSOR

OCCWS FS-355-L6 Factory-installed Passive Infrared (PIR) line voltage sensor <sup>[6]</sup>

### CONTROL <sup>[7]</sup>

DIM	Dimming driver	120 120V
DRV	Non-dimming driver	277 277V
VDO/DSR	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver	UNV 120-277V
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver	347 347V <sup>[8]</sup>

### VOLTAGE

## NOTES

- See page 3 for PERFORATION OPTIONS DETAILS.
- Lumens per foot output based on P33F perforation and 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for MOUNTING DETAILS.
- Ordered separately. See page 3 for CORNER ASSEMBLY DETAILS.
- Not available with 347V.
- See page 2 for ADDITIONAL CONTROL OPTIONS.
- Not available with EM batteries, VDO/DSR or VRF/DSR controls.



## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	L16	6468	52.6	123.1
	L27	10904	86.9	125.5
8'	L16	12814	102.6	124.9
	L27	21807	173.8	125.5

- 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 P33F perforation and 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

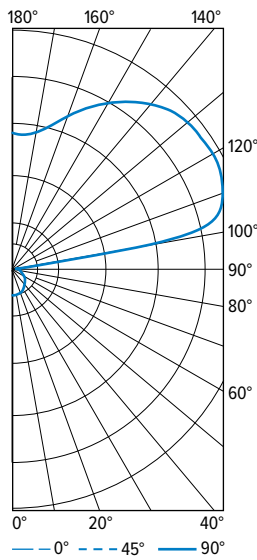
## MULTIPLIER TABLES

		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

SHIELDING	
CATALOG NUMBER	CONVERSION FACTOR
P33F	1.00
P33	0.98
SLD	0.95

## PHOTOMETRY

AI3P33F-4-L27/835-DIM-UNV Total Luminaire Output: 10904 lumens; 86.9 Watts | Efficacy: 125.5 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	310	310	310	
5	316	307	304	29
15	299	292	291	83
25	267	265	271	122
35	223	225	233	141
45	168	177	189	137
55	108	128	146	113
65	48	82	101	78
75	17	45	68	47
85	5	24	43	29
90	11	20	34	
95	119	476	130	606
105	387	1962	2417	1770
115	672	2093	2611	1890
125	929	2167	2599	1770
135	1134	2089	2530	1517
145	1293	1945	2316	1172
155	1416	1744	2011	800
165	1510	1582	1681	453
175	1553	1539	1523	147
180	1533	1533	1533	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	234	2
0 - 40	375	3	
0 - 60	626	6	
0 - 90	779	7	
90 - 120	4265	39	
90 - 150	8725	80	
90 - 180	10125	93	
0 - 180	10904	100	

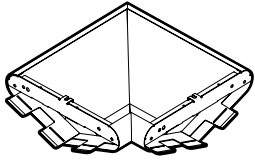
## ADDITIONAL CONTROL OPTIONS

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



## CORNER ASSEMBLY DETAILS



## PERFORATION OPTIONS DETAILS

P33F



P33

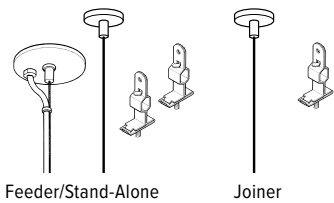


SLD



## MOUNTING DETAILS

### STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



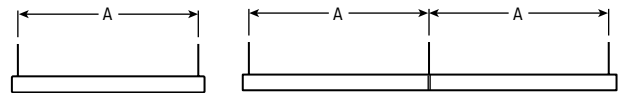
Feeder/Stand-Alone

Joiner

#### Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.

### CENTER-TO-CENTER MOUNTING



Stand-Alone

Row Mount

DIMENSION A	
4'	48"
8'	96"

## OCCUPANCY SENSOR DETAILS

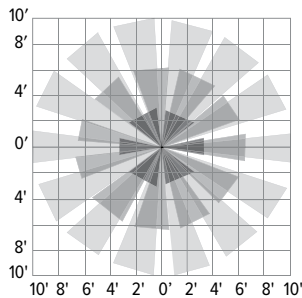
### ORDERING EXAMPLE: OCCWS FS-355-L6

#### FEATURES

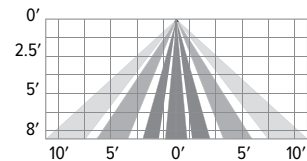
- Slim, low-profile fixture-integrated design
- Adjustable time delay from 30 seconds to 30 minutes
- Turn lighting on and off automatically based on occupancy
- Daylighting light level feature

#### LENS COVERAGE PATTERNS

##### L6 Coverage at 8' mounting height: $\phi 20'$



Top View



Side View

