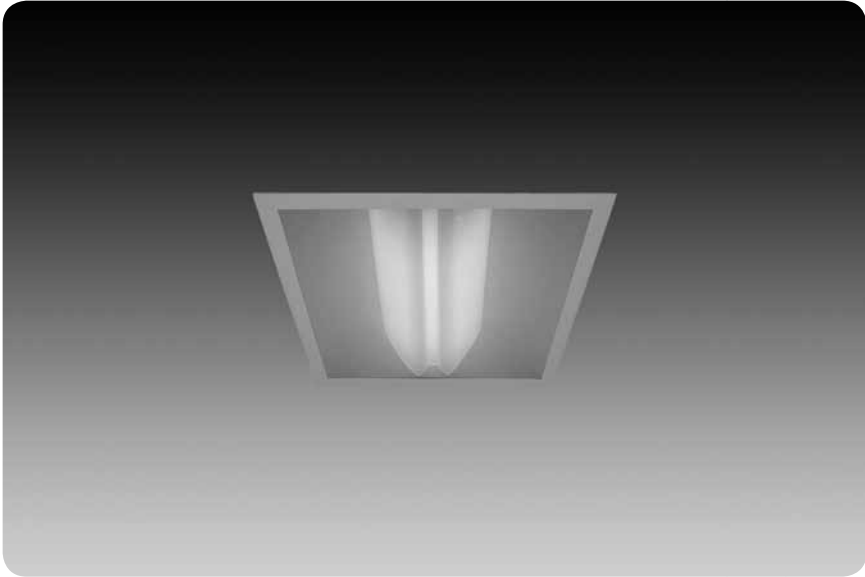


# aerion® 1x1



Covered by the following US Patents: D605,340; D605,341; D605,342; D608,490; D620,190S. European Patents: 001596313-0001, 001596313-0002, 001596313-0003, 001596313-0004, 001596313-0005, 001596313-0006, 001596313-0007, 001596313-0008, 001596313-0009. Canadian Patents: 130763, 130764, 130765, 130766.

## features

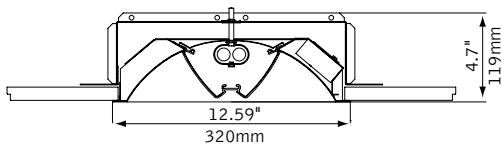
High efficiency architectural recessed fluorescent luminaire.

Aerion's blend of sweeping curves and contemporary lines compliment today's architecture.

Aerion's center lamp chamber provides minimal contrast between the diffuser and side reflectors creating even illumination and comfort.

The lamp diffuser has been designed with an upper and lower track that accepts individual or combinations of accent strips.

## dimensional data



## lamping options



BIAX LAMPS

## endcap detail



## shielding options



standard diffuser

round accent strip

square accent strip

## color options



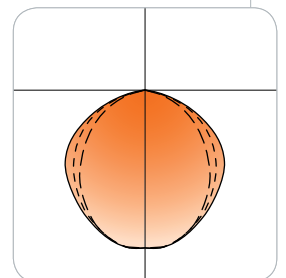
red insert

green insert

blue insert

## performance

1-Lamp 18W Biax  
65% Efficiency  
319 cd @ 5°



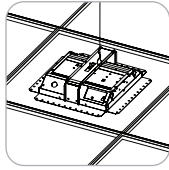
Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data.

fixture:

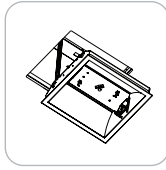
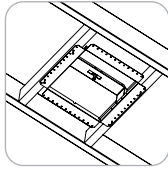
project:

### mounting information

#### Grid



#### Drywall



### specifications

#### construction

One piece 20 Ga. steel reflector and housing.  
20 Ga. steel ends form finishing housing.  
Top access 20 Ga. steel ballast compartment.  
Housing ships with 20 Ga. galvanized steel mounting yoke.

Weight: 10 lbs

#### optic

20 Ga. steel reflectors finished in matte satin white powder coat.  
.095" thick frosted white acrylic lamp diffusers with linear micro-prism pattern.  
Optional .020" thick acrylic accent strip available in round or square pattern.

#### electrical

Electronic ballasts are thermally protected and have a Class "P" rating.  
UL and cUL listed.

#### finish

Polyester powder coat applied over a 5-stage pre-treatment.  
Optional Matte Satin White with anti-microbial coating provides 99.99% protection against a broad spectrum of micro-organisms.

### ordering

luminaire series		<u>FAR</u>
Aerion	FAR	
nominal size		<u>11</u>
1' x 1'	11	
shielding		<u>          </u>
Acrylic Diffuser	AC	
Acrylic Diffuser with Round Accent Strip	RA	
Acrylic Diffuser with Square Accent Strip	SA	
optional color inserts (Leave blank for no color)		<u>          </u>
Red	R	
Green	G	
Blue	B	
lamp quantity		<u>          </u>
One Lamp	1	
Two Lamps	2	
lamp type		<u>BX18</u>
18W Biax	BX18	
ballast		<u>S</u>
Electronic Program Start <10% THD	S	
voltage		<u>          </u>
120 Volt	120	
277 Volt	277	
mounting		<u>U</u>
Universal	U	
factory options		<u>          </u>
Chicago Plenum	CP	
HLR/GLR Fuse	FU	
Flex Whip*	FW	
Include 3000K Lamp	L830	
Include 3500K Lamp	L835	
Include 4100K Lamp	L841	
finish		<u>          </u>
Matte Satin White	WH	
Matte Satin White with Anti-Microbial Coating	WHA	

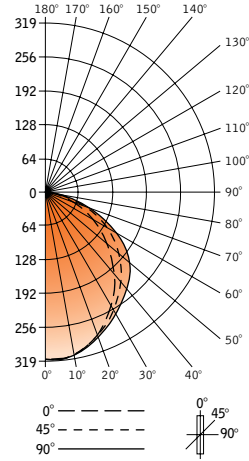
\* for more information see Reference section.

# aerion™ lx1



Filename: FAR11AC1BX18.IES  
 Catalog #: FAR-11-AC-1-BX18-S-120-U-WH  
 Efficiency: 65%  
 Test #: 14323.0

## CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	317	317	317	317	317
5°	319	318	318	317	317
15°	299	299	300	301	302
25°	263	266	270	274	276
35°	221	224	233	245	249
45°	169	175	195	214	221
55°	116	125	152	174	179
65°	67	77	98	109	93
75°	27	35	43	48	43
85°	2	4	6	7	6
90°	0	0	0	0	0
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

Spacing Criteria  
 End: 1.2  
 Cross: 1.2

## LUMEN SUMMARY

	Zone Lumens	% Lamp	% Fixt
0°-30°	240	19.2	29.5
0°-40°	387	31.0	47.6
0°-60°	673	53.8	82.6
0°-90°	814	65.1	100
<b>Total Luminaire</b>	<b>814</b>	<b>65.1</b>	<b>100</b>

## LUMINANCE DATA (CD/M<sup>2</sup>)

Vertical Angle	0°	45°	90°
45°	3004	3466	3928
55°	2542	3331	3922
65°	1993	2914	3301
75°	1311	2088	2282
85°	288	865	1009

## CO-EFFICIENTS OF UTILIZATION

Floor	80		70		20		30		10		00
Ceiling	70	50	30	10	50	10	50	10	50	10	00
Wall	70	50	30	10	70	50	30	10	70	50	30
RCR 0	78	78	78	78	76	76	76	76	72	72	69
1	72	69	67	64	70	68	63	65	61	62	60
2	66	61	57	54	64	60	53	58	52	56	51
3	61	55	50	46	59	54	45	52	45	50	44
4	56	49	43	39	54	48	39	46	38	45	38
5	51	43	38	33	50	42	33	41	33	40	33
6	47	39	33	29	46	38	29	37	29	36	28
7	43	35	29	25	42	34	25	33	25	32	25
8	40	31	26	22	39	31	22	30	22	29	22
9	37	28	23	19	36	28	19	27	19	26	19
10	34	28	20	17	33	25	17	24	17	24	17

Numbers indicate percentage values of reflectivity.

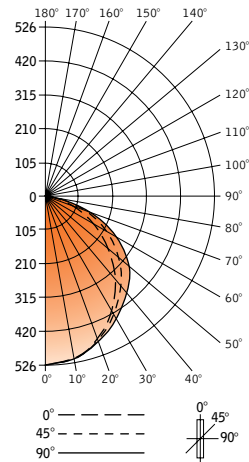
Go to [www.focalpointlights.com](http://www.focalpointlights.com) for additional photometric data.

# aerion™ lx1



Filename: FAR11AC2BX18.IES  
 Catalog #: FAR-11-AC-2-BX18-S-120-U-WH  
 Efficiency: 55%  
 Test #: 14321.0

## CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	526	526	526	526	526
5°	523	522	521	51	520
15°	496	496	497	499	500
25°	443	444	450	457	460
35°	371	377	391	407	413
45°	292	300	325	354	364
55°	203	216	255	285	293
65°	118	135	168	184	191
75°	50	61	76	85	86
85°	6	8	10	11	11
90°	0	0	0	0	0
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

Spacing Criteria  
 End: 1.2  
 Cross: 1.2

## LUMEN SUMMARY

	Zone Lumens	% Lamp	% Fixt
0°-30°	399	16.0	29.2
0°-40°	645	25.8	47.1
0°-60°	1124	44.9	82.0
0°-90°	1370	54.8	100
<b>Total Luminaire</b>	<b>1370</b>	<b>54.8</b>	<b>100</b>

## LUMINANCE DATA (CD/M<sup>2</sup>)

Vertical Angle	0°	45°	90°
45°	5190	5777	6470
55°	4448	5588	6420
65°	3509	4996	5680
75°	2428	3691	4176
85°	865	144	1586

## CO-EFFICIENTS OF UTILIZATION

Floor	80		70		20		30		10		00
Ceiling	70	50	30	10	50	10	50	10	50	10	00
Wall	70	50	30	10	70	50	30	10	70	50	30
RCR 0	65	65	65	65	64	64	64	61	61	58	58
1	60	58	56	54	59	57	53	55	52	52	50
2	55	51	48	45	54	50	45	49	44	47	43
3	51	46	42	38	50	45	38	43	37	42	37
4	47	41	36	33	46	40	33	39	32	37	3
5	43	36	31	28	42	35	28	34	27	33	27
6	39	32	28	24	38	32	24	31	24	30	24
7	36	29	24	1	35	29	21	28	21	27	21
8	33	26	21	18	33	26	18	25	18	24	18
9	31	23	19	16	30	23	16	22	16	22	16
10	29	21	17	14	28	21	14	20	14	20	14

Numbers indicate percentage values of reflectivity.

Go to [www.focalpointlights.com](http://www.focalpointlights.com) for additional photometric data.