Aerion® 2x4
LED

FOCAL POINT®
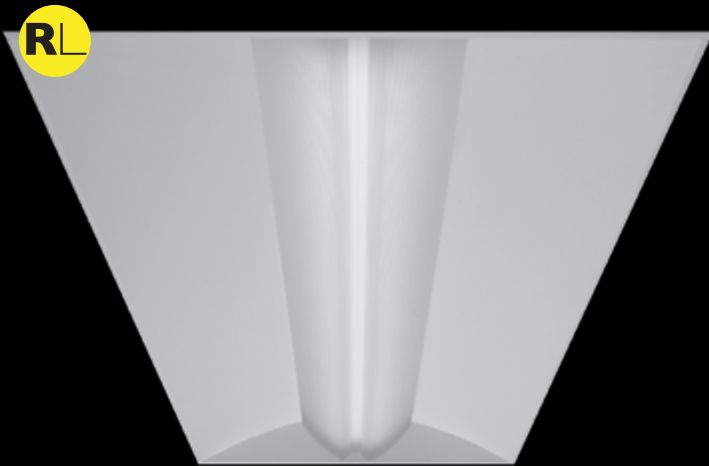

standard diffuser

round accent strip

square accent strip

red insert

green insert
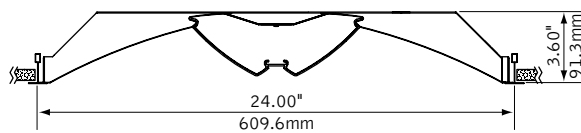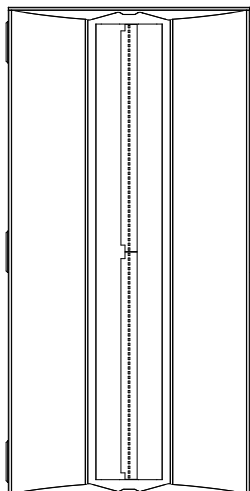
blue insert

DIMENSIONAL DATA
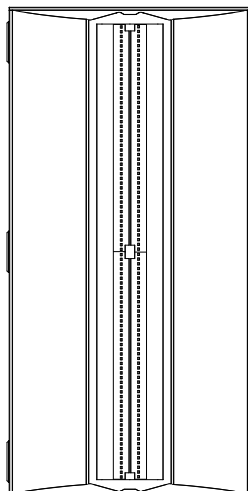

3.60"
91.3mm

24.00"
609.6mm

led options

Standard

High Efficiency

2 LED boards

4 LED boards

FEATURES

Architectural recessed LED luminaire.

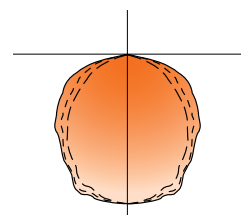Aerion's sweeping curves and contemporary lines complement architecture.

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

Aerion features a shallow 3.6" housing depth which flies under the radar of most plenum obstructions.

Stylized sloped endcaps highlight Aerion's distinctive look.

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

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output:	4000-6000lm
Wattage:	34-54W
LPW:	102-118
SDCM:	3

High Performance
5000 Lumens (5000LH)

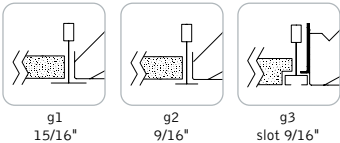**Delivered Lumens: 5000lm**

Total System Watts: 44W

DLC QPL LISTED®

Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit designlights.org/QPL for model specifics.
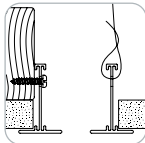
MOUNTING INFORMATION

grid
for lay–in grid, specify G1, G2 or G3.

g1
15/16"

g2
9/16"

g3
slot 9/16"

drywall frame kit
specify "DF" Drywall Frame Kit for drywall ceiling conditions.

Use tie–wire or screws to secure frame kit.

cut out dimensions:
2': Min: 24.25"
     Max: 24.563"
4': Min: 48.25"
     Max: 48.563"

SPECIFICATIONS

LED System
Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K or 4000K with CRI>80, 3 SDCM. 0-10V dimming driver standard. LED modules are replaceable from below.

Construction
One piece 20 Ga. steel reflector and housing. Side access 20 Ga. steel ballast compartment. Positional brackets supplied as standard. Unit weight: 25 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
Standard 120-277V driver includes 0-10V analog dimming. Power factor > .9. Optional EcoSystem or forward phase dimming drivers from Lutron available.

Emergency Battery
Bodine BSL310–CAN. Emergency output—10 watts for 90 minutes. Grid and Drywall Frame kit mounting only.

Labels
UL and cUL Listed. Suitable for Dry or Damp Locations, indoor use only.

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

Lumen Maintenance
Reported: L90 at >61,000 hours   Calculated: L90 at 114,000 hours
Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability
At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty
LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

PERFORMANCE CHART

Delivered Lumens		Tested System Watts	LPW
4000 Lumens	4000L	37	108
	4000LH	34	118
4500 Lumens	4500L	43	105
	4500LH	39	115
5000 Lumens	5000L	48	104
	5000LH	44	114
5500 Lumens	5500L	54	102
	5500LH	48	115
6000 Lumens	6000LH	54	111

Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING

Luminaire Series — **FARL**
Aerion LED — FARL

Nominal Size — **24**
2' x 4' — 24

Shielding — _____
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)
Red — R
Green — G
Blue — B

Lumen Output — _____
Standard
4000 Lumens — 4000L
4500 Lumens — 4500L
5000 Lumens — 5000L
5500 Lumens — 5500L

High Efficiency
4000 Lumens — 4000LH
4500 Lumens — 4500LH
5000 Lumens — 5000LH
5500 Lumens — 5500LH
6000 Lumens — 6000LH

Color Temperature — _____
3000K — 30K
3500K — 35K
4000K — 40K

Circuit — **1C**
Single Circuit — 1C

Voltage — _____
120 Volt — 120
277 Volt — 277
UNV Volt — UNV
(Cannot be specified with EM option)

Control System & Dimming Level — _____
0-10V - 1% Dimming — L11
0-10V - 10% Dimming — LD1
Lutron A-Series
1% EcoSystem Digital — L3D
5000 Lumens and higher: (2) drivers supplied, (2) EcoSystem addresses consumed
Lutron Hi-Lume - Forward Phase - 1% Dimming — LTE
5000 Lumens and higher: (2) drivers supplied, (2) loads consumed (120 only) (Grid and drywall mounting only)
Step Dimming — SD5
(Grid and drywall mounting only)
DALI - 1% Dimming — D11
(Consult factory)

Mounting — _____
24" Aircraft Cable — C24
48" Aircraft Cable — C48
96" Aircraft Cable — C96
15/16" Grid — G1
9/16" Grid — G2
9/16" Slot Tee — G3
Drywall Frame Kit — F
(Cut out dimensions: Min: 24.25"/Max: 24.563" Min: 48.25"/Max: 48.563")
Surface Mount — SM

Factory Options — _____
Air Return — AR
(Overall height for luminaire with Air Return is 4.26")
Chicago Plenum — CP — _____
Emergency Battery Pack with Integral Test Switch — EM — _____
6' New York City Flex Whip — FNY — _____
6' Flex Whip — FW — _____

Finish — _____
Matte White Housing — WH
Matte Satin White with Anti–Microbial Coating — WHA

QS 5/10 DAY* Options in orange qualify for the Quickship program. 5-day up to 100 pieces, 10-day up to 300 pieces. Refer to Quickship Guide for complete details.

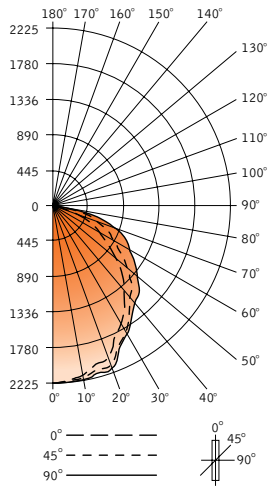For more information visit focalpointlights.com/reference or consult factory.

Aerion® 2x4

LED

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	1675	1675	1675	1675	1675
5°	1671	1669	1668	1675	1679
15°	1601	1611	1635	1662	1672
25°	1463	1486	1528	1556	1565
35°	1256	1288	1336	1368	1380
45°	1003	1038	1104	1164	1188
55°	739	779	875	974	1013
65°	479	528	652	778	826
75°	247	303	429	533	564
85°	62	101	124	121	118
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

LUMEN SUMMARY

	Zone	Lumens	% Fixture
	0-30°	1321	26.4
	0-40°	2151	43.1
	0-60°	3786	75.8
	0-90°	4995	100.0
Total Luminaire	0-180°	**4995**	**100.0**

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2038	2242	2412
55°	1850	2190	2536
65°	1628	2216	2808
75°	1372	2383	3130
85°	1028	2047	1944

Go to www.focalpointlights.com for additional photometric data.