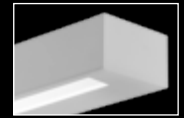




acrylic diffuser

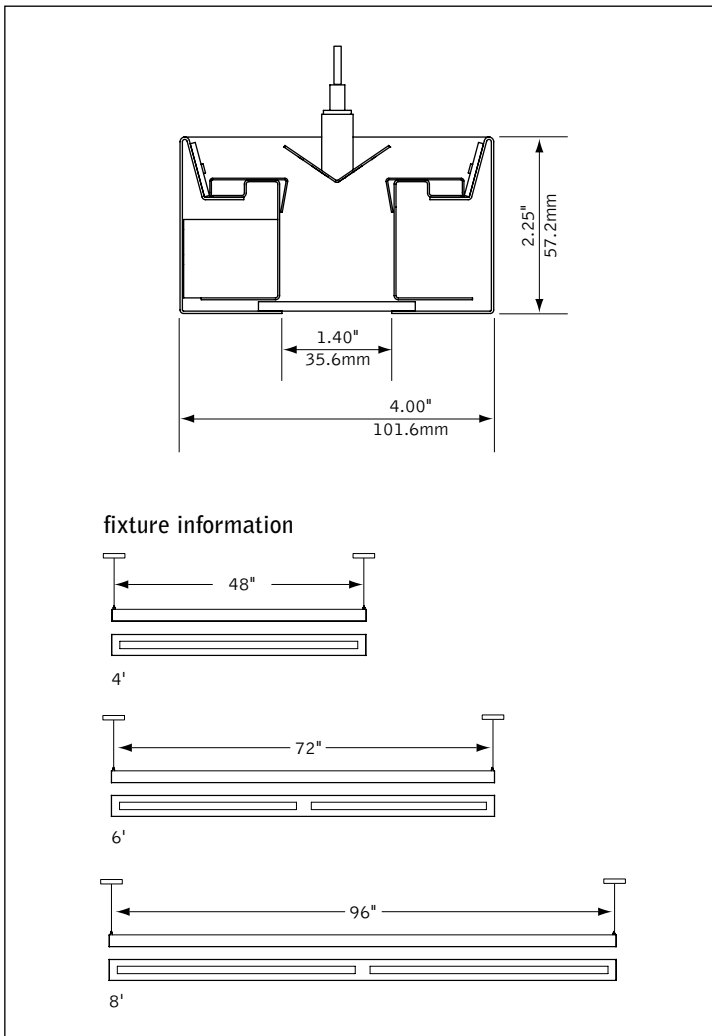


microglow lens



wall mount companion

DIMENSIONAL DATA



FEATURES

Miniature suspended direct/indirect LED luminaire.

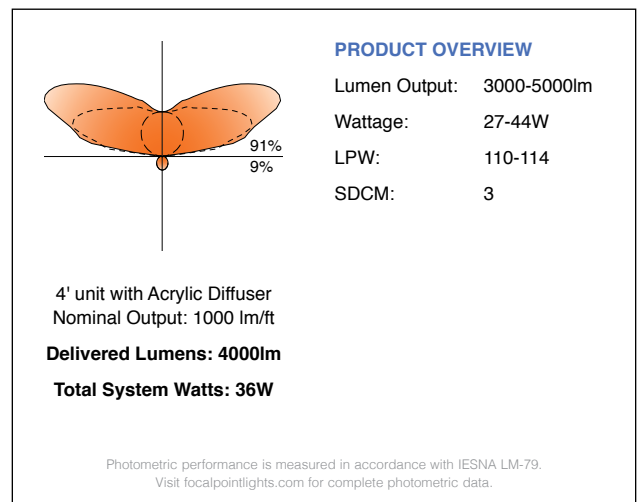
Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

Features Gradient Optic which softens cut-off line on surrounding walls and other vertical structures. Optional Beam Smoothing Diffuser provides additional softening to the beam.

MicroGlow lens offers cutoff & brightness control to support comfortable environments.

Connected Solutions: Integrates with wired and wireless building lighting control systems.

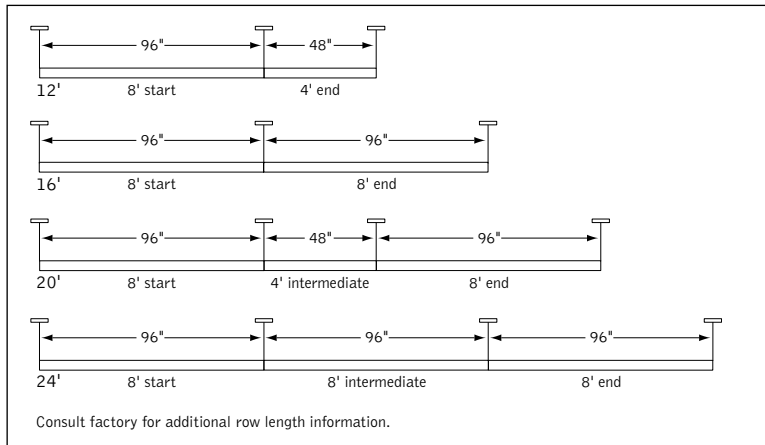
PERFORMANCE



fixture:

project:

DETAILS



SPECIFICATIONS

LED Systems

Linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. LED boards and drivers are replaceable.

Construction

One-piece 22 Ga. steel housing. Steel end caps attach flush to housing. For row installation, internal brackets form hairline joint. All luminaires are provided with single-point suspension mounted on 48", 72" or 96" centers. 4' unit weight: 10lbs. 6' unit weight: 16 lbs. 8' unit weight: 21 lbs.

Optic

Reflector fabricated of low iridescent, semi specular premium grade aluminum. 24 Ga. steel gradient optic finished in matte white powder coat. 0.125" thick acrylic lens. Optional 0.42" smooth acrylic Beam Smoothing Diffuser.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9.

Emergency Battery

Emergency output—12W for 90 minutes for all available models. Beam Smoothing Diffuser supplied as standard.

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. Canopy finished in Matte Satin White.

Lumen Maintenance

Reported: L70 at 60,000 hours Calculated: L70 at 130,000 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.

4' PERFORMANCE CHART

Shielding	Lumens per Foot	Delivered Lumens	System Watts	LPW
Acrylic Diffuser / MicroGlow Lens	750LF	3000	27	112
	875LF	3500	31	112
	1000LF	4000	36	111
	1125LF	4500	41	110
	1250LF	5000	44	114

Based on 3500K. Color Temperature multipliers: 3000K - 1.035, 4000K - 0.975. *Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

ORDERING

Fixture Series	FDALS	FDALS
Dart LED	FDALS	
Shielding		
Acrylic Diffuser	AC	
MicroGlow Prismatic Lens	MG	
Lumen Output		
750 Lumens per foot	750LF	
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
1125 Lumens per foot	1125LF	
1250 Lumens per foot	1250LF	
<small>(Not available with L3D driver)</small>		
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
Circuits		
Single Circuit	1C	
Voltage		
120/277 UNV Volt	UNV	
347 Volt	347	
<small>(LD1 only)</small>		
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
DALI - 1% Dimming	D11	
DALI - 10% Dimming	DD1	
Step Dimming	SD5	
<small>(Not available with 750LF)</small>		
Enlighted Smart Sensor - 1% Dimming	ENL1	
Osram Connected Lighting Module - 1% Dimming	CLM1	
<small>(Compatible with Daintree Networks & Osram ENCELUM and Simlux systems)</small>		
Mounting		
24" Cable Suspension	J24	
48" Cable Suspension	J48	
96" Cable Suspension	J96	
<small>(Add "P" for Chicago plenum. Eg: JP12, CP12) (Specify one of the following in place of "J" C - for 5" canopies at non-feed locations. CS - for sloped ceilings.)</small>		
Factory Options		
Beam Smoothing Diffuser	BSD	
<small>(Dust Cover. Supplied as standard with Emergency Battery.)</small>		
Emergency Circuit	EC	
Emergency Battery	EM	
<small>(Not available in 6' units. BSD standard.)</small>		
Finish		
Titanium Silver	TS	
Matte Satin White	WH	
Fixture Run Length		
4'	4'	
6'	6'	
8'	8'	
12' (8'+4')	12'	
16' (8'+8')	16'	
20' (8'+4'+8')	20'	
24' (8'+8'+8')	24'	
<small>(Individual units may not be field modified for continuous row mount)</small>		

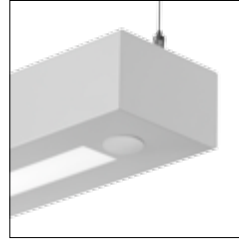
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort.



enlighted

Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-4E-01

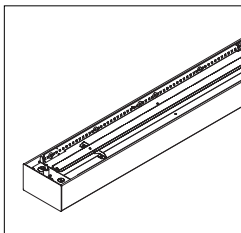


OSRAM

Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram Simlux™ and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Osram CLM - 1% Dimming (CLM1)
Osram Model #ZBHA-CLM DIM

Serial labels will be provided on outside of luminaires and control unit.



LUTRON

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum®, Energi Savr Node™, and Energi TriPak® using EcoSystem® communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)
Lutron Model #LDE1
Lutron 5-Series EcoSystem - 5% Dimming (LU5)
Lutron Model #LDE5

Integrated drivers. See installation instructions for driver service.

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Philips SimpleSet , Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1**, LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	Lutron Hi-Lume Lutron 5-Series
Osram CLM (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & Simlux, Daintree Networks	Enabled	Enabled	No	Wireless	Osram Optotronic

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in bold. To specify a particular driver please consult factory.

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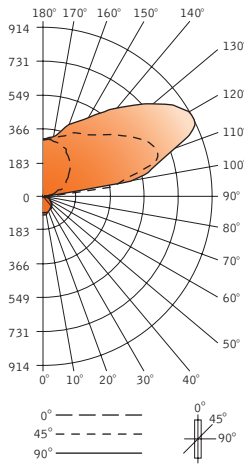
LED - ACRYLIC DIFFUSER

FDALS-AC-750LF-35K-LD1-WH-4'

Filename: FDALSAC750LF35K.IES

Lumens: 2880lm
System Watts: 27W
LPW: 107

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	95	95	95	95	95
5°	93	94	94	95	95
15°	89	90	90	90	90
25°	82	83	82	82	81
35°	72	72	72	71	71
45°	60	60	60	59	59
55°	46	47	47	46	46
65°	33	33	33	34	35
75°	19	20	20	19	19
85°	7	7	8	9	10
90°	0	0	0	0	0
95°	20	191	89	11	9
105°	64	347	579	598	624
115°	112	315	658	859	914
125°	161	300	566	786	865
135°	206	311	474	639	704
145°	247	311	413	510	552
155°	280	310	378	421	444
165°	301	309	330	355	368
175°	311	314	312	314	316
180°	312	312	312	312	312

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	72	2.5
0-90°	267	9.3
90-130°	1695	58.8
90-180°	2613	90.7
Total Luminaire 0-180°	2880	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	694	482	428
55°	649	408	354
65°	600	323	290
75°	530	226	176
85°	405	121	114

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

Dart™

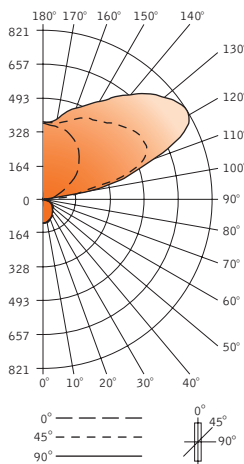
LED - ACRYLIC DIFFUSER WITH BEAM SMOOTHING DIFFUSER

FDALS-AC-750LF-35K-LD1-BSD-WH-4'

Filename: FDALSAC750LF35KBSD.IES

Lumens: 2716lm
System Watts: 27W
LPW: 101

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	115	115	115	115	115
5°	113	114	114	115	116
15°	108	110	109	109	109
25°	99	101	100	99	99
35°	87	88	87	87	86
45°	73	73	72	72	72
55°	57	57	57	56	56
65°	40	40	40	41	42
75°	23	24	23	23	23
85°	8	8	9	11	11
90°	0	0	0	0	0
95°	10	48	27	12	11
105°	63	229	366	390	409
115°	130	308	562	724	768
125°	194	333	565	753	821
135°	250	359	517	670	727
145°	298	368	470	566	607
155°	335	370	440	486	508
165°	359	370	393	420	432
175°	370	374	373	375	378
180°	372	372	372	372	372

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	88	3.2
0-90°	323	11.9
90-130°	1359	50
90-120°	2393	88.1
Total Luminaire 0-180°	2716	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	845	584	523
55°	796	493	433
65°	731	390	350
75°	643	269	215
85°	478	136	127

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

Dart™

LED - ACRYLIC DIFFUSER

FDALS-AC-875LF-35K-LD1-WH-4'

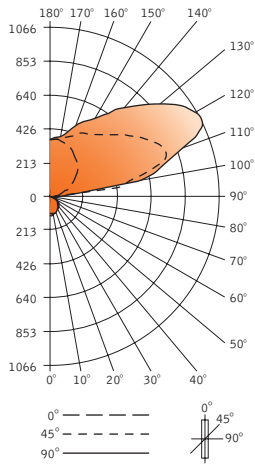
Filename: FDALSAC875LF35K.IES

Lumens: 3360lm

System Watts: 33W

LPW: 102

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	110	110	110	110	110
5°	109	110	110	111	111
15°	104	105	105	105	105
25°	95	97	96	95	95
35°	83	85	84	83	82
45°	69	70	70	69	68
55°	54	55	55	54	54
65°	38	39	39	40	40
75°	22	23	23	22	22
85°	8	8	10	11	12
90°	0	0	0	0	0
95°	24	223	104	13	11
105°	75	405	676	697	728
115°	130	368	768	1002	1066
125°	188	351	660	917	1009
135°	241	362	552	745	821
145°	289	363	481	595	645
155°	326	361	441	491	518
165°	351	361	385	414	429
175°	362	366	365	366	369
180°	364	364	364	364	364

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	84	2.5
0-90°	311	9.3
90-130°	1977	58.8
90-180°	3049	90.7
Total Luminaire 0-180°	3360	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	809	863	499
55°	757	475	413
65°	700	376	339
75°	619	263	205
85°	472	141	134

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

Dart™

LED - ACRYLIC DIFFUSER

FDALS-AC-1000LF-35K-LD1-WH-4'

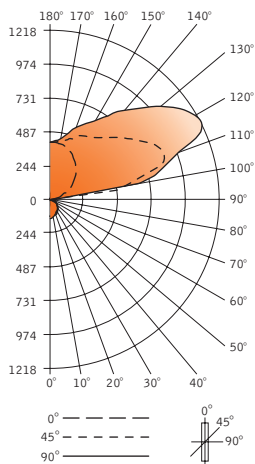
Filename: FDALSAC1000LF35K.IES

Lumens: 3840lm

System Watts: 38W

LPW: 101

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	126	126	126	126	126
5°	124	125	125	126	127
15°	119	121	120	120	120
25°	109	111	109	109	108
35°	95	97	96	95	94
45°	79	80	80	79	78
55°	62	63	62	62	61
65°	43	45	44	45	46
75°	25	26	26	25	25
85°	9	9	11	13	13
90°	0	0	0	0	0
95°	27	255	119	15	12
105°	85	462	773	797	832
115°	149	420	878	1145	1218
125°	215	401	754	1048	1153
135°	275	414	632	852	938
145°	330	415	550	679	737
155°	373	413	504	561	592
165°	401	412	440	473	490
175°	414	418	417	419	422
180°	415	415	415	415	415

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	96	2.5
0-90°	356	9.3
90-130°	2259	58.8
90-180°	3484	90.7
Total Luminaire 0-180°	3840	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	925	643	571
55°	865	543	472
65°	800	430	387
75°	707	301	235
85°	539	161	153

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

Dart™

LED - ACRYLIC DIFFUSER

FDALS-AC-1125LF-35K-LD1-WH-4'

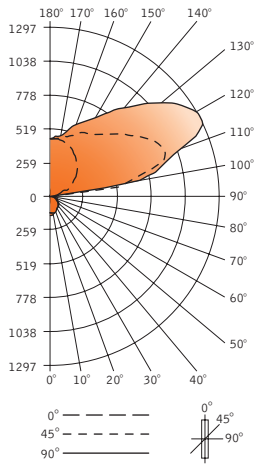
Filename: FDALSAC1125LF35K.IES

Lumens: 4320lm

System Watts: 44W

LPW: 98

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	142	142	142	142	142
5°	140	141	141	142	143
15°	134	136	135	135	135
25°	123	124	123	122	12
35°	107	109	107	107	106
45°	89	90	89	88	88
55°	69	71	70	69	69
65°	49	50	50	51	52
75°	28	30	30	28	28
85°	10	11	13	14	15
90°	0	0	0	0	0
95°	30	287	133	17	14
105°	96	520	869	897	936
115°	168	473	987	1288	1371
125°	242	451	848	1179	1297
135°	309	466	711	958	1056
145°	371	467	619	764	829
155°	420	464	567	632	667
165°	452	464	495	532	551
175°	466	471	469	471	475
180°	467	467	467	467	467

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	108	2.5
0-90°	400	9.3
90-130°	2542	58.8
90-180°	3920	90.7
Total Luminaire 0-180°	4320	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	1041	724	642
55°	973	611	531
65°	900	484	435
75°	795	339	264
85°	607	181	172

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

Dart™

LED - ACRYLIC DIFFUSER

FDALS-AC-1250LF-35K-LD1-WH-4'

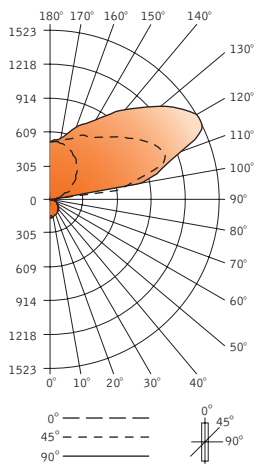
Filename: FDALSAC1250LF35K.IES

Lumens: 4800lm

System Watts: 50W

LPW: 96

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	158	158	158	158	158
5°	155	157	157	158	159
15°	149	151	150	150	150
25°	136	138	137	136	135
35°	119	121	119	118	118
45°	99	101	99	98	98
55°	77	79	78	77	77
65°	54	56	55	57	58
75°	32	33	33	32	31
85°	11	12	14	16	17
90°	0	0	0	0	0
95°	34	319	148	19	15
105°	107	578	966	996	1040
115°	186	526	1097	1431	1523
125°	269	501	942	1310	1441
135°	344	518	790	1065	1173
145°	412	518	688	849	921
155°	466	516	630	702	741
165°	502	516	550	591	613
175°	517	523	521	523	527
180°	519	519	519	519	519

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	120	2.5
0-90°	445	9.3
90-130°	2824	58.8
90-180°	4355	90.7
Total Luminaire 0-180°	4800	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	1156	804	713
55°	1081	679	590
65°	1000	538	484
75°	884	376	293
85°	674	201	191

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