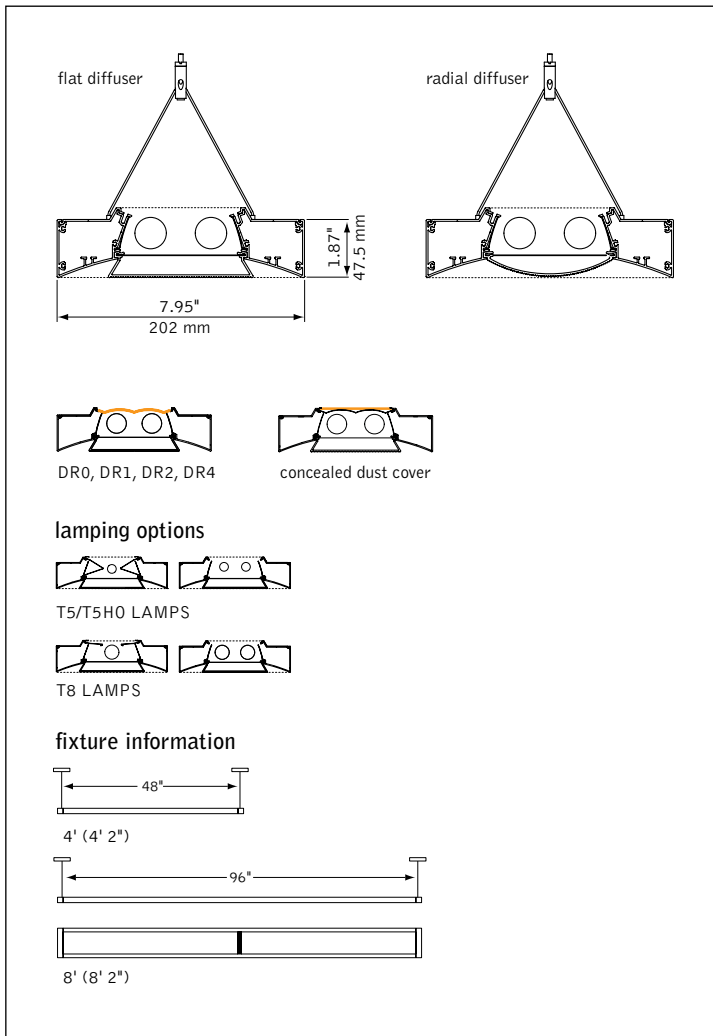


flat diffuser



radial diffuser

DIMENSIONAL DATA



FEATURES

Suspended linear direct/indirect fluorescent with flat or radial acrylic diffuser.

MicroGroove™ diffusers add texture and visual interest with a ribbed pattern that minimizes lamp image.

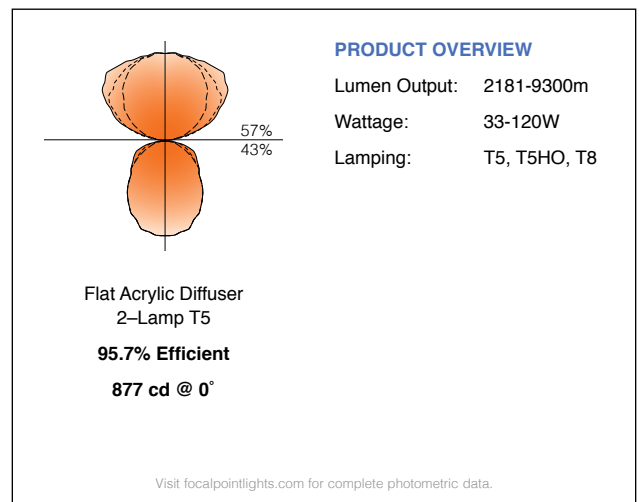
Optional DR optics deliver light where you need it. Increased direct illumination can benefit spaces with ceilings from low to high.

Extruded aluminum housing with die-cast end caps.

Internal Debris Shield keeps diffusers looking clean over the life of the project.

Veer™ is an excellent choice for office spaces, labs and educational facilities.

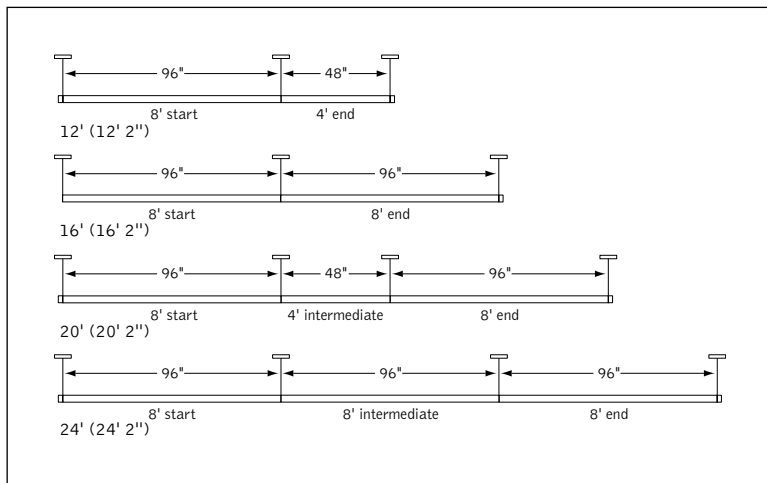
PERFORMANCE



fixture:

project:

SUSPENSION INFORMATION



SPECIFICATIONS

Construction

Two-piece, .060" thick 6063-T5 extruded aluminium housing. Die-cast aluminum end caps and bulkhead. For row installation, locking mechanism creates hairline joint. All luminaires are provided with Y-cable suspension mounted on 48" or 96" centers. 4' unit weight: 12 lbs., 8' unit weight: 22 lbs.

Optic

.095" thick frosted white MicroGroove acrylic diffusers with ribbed linear pattern. Clear acrylic internal debris shield supplied as standard. Optional Downlight Reflector optics fabricated of die-formed aluminum.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Factory installed SJT power cord at feed location is included. Electronic ballasts are thermally protected and have a Class "P" rating. Optional dimming ballasts available.

Labels

UL and cUL listed.

Finish

Polyester powder coat applied over a 5-stage pretreatment. Canopy finished in Matte Satin White.

ORDERING

Fixture Series	FVRS	FVRS
Veer	FVRS	_____
Shielding		
Flat MicroGroove Acrylic Diffuser	ACF	_____
Radial MicroGroove Acrylic Diffuser	ACR	_____
Optional Downlight Accessories**		
100% downlight	DR0	_____
Up to 90% downlight	DR1	_____
Up to 85% downlight	DR2	_____
Up to 70% downlight	DR4	_____
Lamping		
1 Lamp T5	1T5	_____
2 Lamp T5	2T5	_____
1 Lamp T5HO	1T5HO	_____
2 Lamp T5HO	2T5HO	_____
1 Lamp T8	1T8	_____
2 Lamp T8	2T8	_____
Circuits		
Single Circuit	1C	_____
Dual Circuit	2C	_____
Voltage		
120 Volt	120	_____
277 Volt	277	_____
347 Volt	347	_____
<small>(Consult factory for dimming options)</small>		
UNV Volt	UNV	_____
<small>(Cannot be specified with 1T5HO dimming or EM option)</small>		
Ballast		
<small>(Consult factory for dimming limitations)</small>		
Electronic Program Start <10% THD	S	_____
0-10V	D7	_____
Lutron 1% 3-wire	DH	_____
Lutron 1% H-Series	DK	_____
Mounting		
24" Cable Suspension	C24	_____
48" Cable Suspension	C48	_____
96" Cable Suspension	C96	_____
<small>(Add "P" for Chicago plenum. Eg: CP12)</small>		
<small>(Specify one of the following in place of "C"</small>		
<small>J - for 2' canopies at non-feed locations.</small>		
<small>CS - for sloped ceilings.)</small>		
Factory Options		
Concealed Dust Cover	DC	_____
Emergency Circuit*	EC	_____
Emergency Battery Pack*	EM	_____
HLR/GLR Fuse	FU	_____
Include 3000K Lamp*	L830	_____
Include 3500K Lamp*	L835	_____
Include 4100K Lamp*	L841	_____
<small>(Sensor options available—consult factory)</small>		
Finish		
Matte Satin White	WH	_____
Titanium Silver	TS	_____
Luminaire Length		
4'	4'	_____
8'	8'	_____
12' (8'+4')	12'	_____
16' (8'+8')	16'	_____
20' (8'+4'+8')	20'	_____
24' (8'+8'+8')	24'	_____



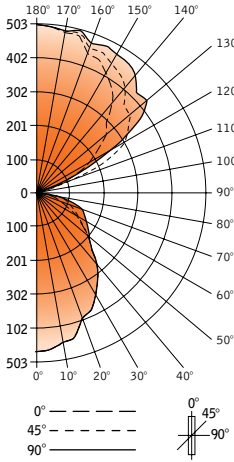
FLUORESCENT - FLAT ACRYLIC DIFFUSER

FVRS-ACF-1T5-1C-120-S-WH-4

Filename: FVRSACF1T5.IES
 Test #: 15692.0

Efficiency 90.8%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens	
	0°	22.5°	45°	67.5°		
0°	477	477	477	477	477	
5°	473	473	473	472	45	
15°	448	448	448	448	127	
25°	391	391	390	388	180	
35°	326	324	320	317	201	
45°	233	231	228	225	177	
55°	171	170	171	179	157	
65°	108	110	125	147	128	
75°	55	65	88	105	90	
85°	14	21	26	28	27	
90°	0	2	2	2	2	
95°	2	7	10	11	9	
105°	55	118	42	31	62	
115°	41	197	241	167	141	185
125°	228	272	333	387	374	290
135°	297	325	371	409	423	284
145°	387	402	432	462	473	271
155°	438	445	462	478	485	214
165°	485	486	492	499	501	140
175°	498	498	498	500	500	48
180°	503	503	503	503	503	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	352	12.2	13.4
0-40°	1132	39.0	43.0
0-60°	546	18.8	20.7
0-90°	1502	51.8	57.0
Total Luminaire 0-180°	2634	90.8	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1346	1317	1294
55°	1218	1218	1346
65°	1044	1208	1547
75°	868	1389	1768
85°	656	1219	1406

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	96	96	96	96	88	88	88	72	72	58	58	45	45	39
1	88	84	80	77	80	77	71	63	59	51	49	40	38	33
2	80	73	68	63	73	67	59	56	50	45	41	36	33	28
3	73	65	58	53	67	59	49	50	42	40	35	32	28	24
4	67	57	50	45	61	53	42	44	36	36	30	29	25	21
5	61	51	44	39	56	47	36	39	31	32	26	26	21	18
6	57	46	39	34	52	42	31	35	27	29	23	23	19	16
7	52	41	34	29	48	38	28	32	24	26	20	21	17	14
8	48	37	31	26	44	35	24	29	21	24	18	19	15	12
9	45	34	27	25	41	31	21	26	18	22	16	17	13	11
10	42	31	25	20	38	29	19	24	16	20	14	16	11	10

Numbers indicate percentage values of reflectivity.

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



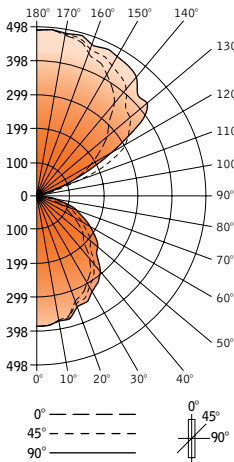
FLUORESCENT - RADIAL ACRYLIC DIFFUSER

FVRS-ACR-1T5-1C-120-S-WH-4

Filename: FVRSACR1T5.IES
 Test #: 15693.0

Efficiency 87.9%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens	
	0°	22.5°	45°	67.5°		
0°	393	393	393	393	393	
5°	392	390	392	392	390	37
15°	372	373	377	382	382	107
25°	326	330	340	349	353	157
35°	279	282	296	313	318	187
45°	196	204	224	245	251	174
55°	150	156	179	200	210	160
65°	97	106	127	144	150	124
75°	50	60	76	88	90	78
85°	13	18	23	27	28	24
90°	0	1	2	1	1	
95°	2	6	10	11	11	9
105°	55	117	42	31	31	62
115°	142	200	239	167	141	186
125°	228	274	332	384	373	289
135°	297	324	370	408	423	283
145°	387	403	433	462	474	272
155°	438	445	462	479	486	214
165°	480	481	486	493	496	138
175°	498	498	498	498	498	48
180°	497	497	497	497	497	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	301	10.4	11.8
0-40°	1048	36.1	41.1
0-60°	546	18.8	21.4
0-90°	1500	51.7	58.9
Total Luminaire 0-180°	2548	87.9	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1132	1294	1450
55°	1068	1275	1496
65°	938	1228	1450
75°	789	1200	1421
85°	609	1078	1312

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	92	92	92	92	84	84	84	69	69	55	55	42	42	36
1	84	81	77	74	77	74	68	61	57	49	46	37	36	31
2	77	70	65	61	70	64	56	53	47	43	39	33	30	26
3	70	62	56	51	64	57	47	47	40	38	33	30	26	22
4	64	55	48	43	58	50	40	42	34	34	28	27	23	19
5	59	49	42	37	53	45	34	37	29	30	24	24	19	16
6	54	44	37	32	49	40	30	33	28	27	21	21	17	14
7	50	39	33	28	45	36	26	30	22	25	19	19	15	12
8	46	36	29	24	42	33	23	27	19	22	16	17	13	11
9	43	32	26	21	39	30	20	25	17	20	14	16	11	9
10	40	29	23	19	36	27	18	23	15	18	13	14	10	8

Numbers indicate percentage values of reflectivity.

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

note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.



FLUORESCENT - FLAT ACRYLIC DIFFUSER

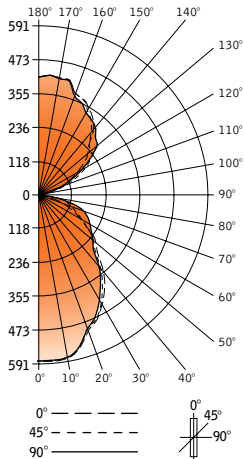
FVRS-ACF-1T8-1C-120-S-WH-4

Filename: FVRSACF1T8.IES

Test #: 15645.0

Efficiency 85.8%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	589	589	589	589	589	589
5°	591	591	591	591	589	56
15°	563	562	561	561	559	159
25°	489	489	486	480	479	224
35°	407	405	396	390	387	249
45°	293	290	281	276	276	219
55°	217	213	210	221	229	195
65°	138	138	153	180	193	158
75°	70	78	105	128	134	109
85°	18	27	32	35	38	33
90°	1	1	2	2	1	
95°	1	8	4	2	2	4
105°	47	71	67	60	54	66
115°	117	134	145	130	127	132
125°	191	191	27	230	224	192
135°	249	249	249	276	284	202
145°	329	332	317	319	323	203
155°	372	377	370	360	357	170
165°	415	417	420	420	417	119
175°	423	423	423	425	425	41
180°	419	419	419	419	419	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	440	14.9	17.4
0-40°	1403	47.6	55.4
0-60°	394	13.3	15.6
0-90°	1128	38.2	44.6
Total Luminaire 0-180°	2531	85.8	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1693	1623	1595
55°	1546	1496	1631
65°	1334	1479	1866
75°	1105	1657	2115
85°	844	1500	1781

CO-EFFICIENTS OF UTILIZATION

RCR	80				70			20 50		30		10		00
	Floor	Ceiling	Wall	0	70	50	10	50	10	50	10	50	10	00
1	93	93	93	93	86	86	86	74	74	63	63	52	52	48
2	85	81	78	75	79	76	70	65	61	56	53	47	45	41
3	78	71	66	62	72	67	58	58	51	49	45	42	38	34
4	71	63	57	52	66	59	49	51	44	44	38	37	33	30
5	65	56	49	44	61	53	42	46	37	39	33	33	29	26
6	60	50	43	38	55	47	36	41	32	35	28	30	25	22
7	55	45	38	33	51	42	31	37	28	32	25	27	22	20
8	51	41	34	29	47	38	28	33	25	29	22	25	19	17
9	47	37	30	26	44	34	24	30	22	26	19	22	17	15
10	44	33	27	22	41	31	21	27	19	24	19	20	15	13

Numbers indicate percentage values of reflectivity.

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



FLUORESCENT - RADIAL ACRYLIC DIFFUSER

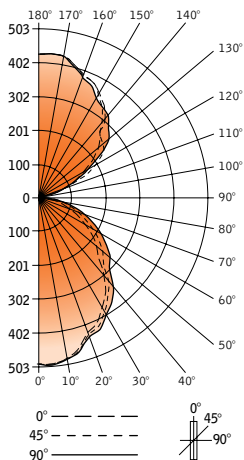
FVRS-ACR-1T8-1C-120-S-WH-4

Filename: FVRSACR1T8.IES

Test #: 15646.0

Efficiency 82.4%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	498	498	498	498	498	498
5°	503	500	503	503	500	48
15°	470	470	475	478	478	134
25°	416	419	426	433	436	197
35°	349	353	364	379	383	230
45°	251	257	273	291	300	212
55°	190	197	217	237	247	195
65°	123	131	153	171	176	150
75°	65	75	90	103	105	93
85°	17	22	28	32	35	30
90°	1	1	2	2	2	
95°	1	10	4	2	2	5
105°	48	71	67	60	55	66
115°	121	137	148	133	128	135
125°	196	196	233	233	226	196
135°	253	254	254	281	291	205
145°	333	339	324	324	327	207
155°	377	382	377	369	366	174
165°	400	402	406	406	406	115
175°	429	429	429	430	429	41
180°	426	426	426	426	426	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	380	12.9	15.6
0-40°	1289	43.7	53.0
0-60°	401	13.6	16.5
0-90°	1143	38.7	47.0
Total Luminaire 0-180°	2432	82.4	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1450	1577	1733
55°	1353	1546	1759
65°	1189	1479	1701
75°	1026	1421	1657
85°	797	1312	1641

CO-EFFICIENTS OF UTILIZATION

RCR	80				70			20 50		30		10		00
	Floor	Ceiling	Wall	0	70	50	10	50	10	50	10	50	10	00
1	81	78	75	72	75	72	67	62	58	52	49	43	41	37
2	74	68	63	59	69	63	55	51	48	46	42	38	35	32
3	68	60	54	49	63	56	47	48	41	41	36	34	30	27
4	62	53	47	42	57	50	40	43	35	37	31	31	26	23
5	57	47	41	36	53	44	34	38	30	33	26	27	23	20
6	52	43	36	31	48	40	29	34	26	29	23	25	20	18
7	48	38	32	27	45	36	26	31	23	27	20	22	17	15
8	45	35	28	24	41	32	23	28	20	24	18	20	15	13
9	41	31	25	21	38	29	20	25	18	22	15	18	13	12
10	39	29	3	19	36	27	18	23	16	20	14	17	12	10

Numbers indicate percentage values of reflectivity.

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

note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.

Veer®

FLUORESCENT - FLAT ACRYLIC DIFFUSER

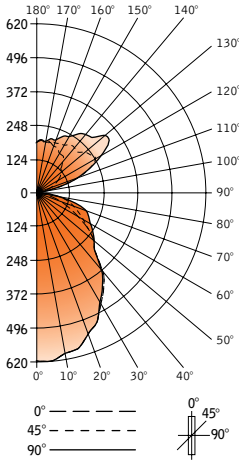
FVRS-ACF-1T8-1C-120-S-WH-4

Filename: FVRSACF1T8.IES

Test #: 15352.0

Efficiency 82.9%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens	
	0°	22.5°	45°	67.5°		
0°	615	615	615	615	615	
5°	620	620	620	619	59	
15°	588	588	588	588	167	
25°	522	522	521	519	241	
35°	427	426	421	418	265	
45°	301	301	300	297	232	
55°	222	222	228	241	208	
65°	131	143	164	196	167	
75°	60	80	117	137	115	
85°	7	27	35	39	34	
90°	1	2	1	1	1	
95°	7	16	11	11	13	
105°	41	109	106	96	100	
115°	76	134	218	219	178	
125°	108	146	240	314	205	
135°	125	149	210	265	161	
145°	164	175	219	251	134	
155°	177	183	199	19	226	93
165°	192	193	196	203	205	56
175°	193	191	193	193	191	18
180°	184	184	184	184	184	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	467	15.8	19.1
0-40°	1487	50.4	60.8
0-60°	496	16.8	20.3
0-90°	958	32.5	39.2
Total Luminaire 0-180°	2445	82.9	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	1739	1733	1722
55°	1581	1624	1781
65°	1266	1585	2001
75°	947	1847	2273
85°	328	1641	1828

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00	
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10
RCR 0	91	91	91	91	85	85	85	74	74	64	64	55	55	50	50
1	83	80	77	74	78	75	69	65	61	57	54	49	47	43	43
2	76	70	65	61	71	66	57	58	51	50	45	43	40	37	37
3	70	62	56	51	65	58	49	51	44	45	39	39	35	32	32
4	64	55	49	44	60	52	42	46	38	40	32	35	30	27	27
5	59	49	42	37	55	46	36	41	32	36	29	31	26	24	24
6	54	44	37	33	51	42	31	37	28	33	26	28	23	21	21
7	50	40	33	29	47	38	27	33	25	30	23	26	20	18	18
8	46	36	30	25	43	34	24	30	22	27	20	23	18	16	16
9	43	33	26	22	40	31	21	27	19	24	17	21	16	14	14
10	40	30	24	20	37	28	19	25	17	22	16	19	14	12	12

Numbers indicate percentage values of reflectivity.

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

Veer®

FLUORESCENT - FLAT ACRYLIC DIFFUSER

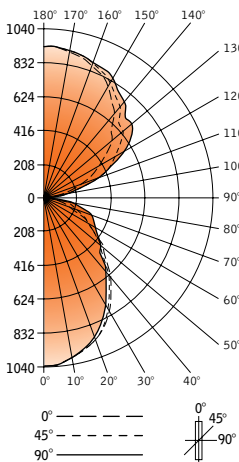
FVRS-ACF-2T8-1C-120-S-WH-4

Filename: FVRSACF2T8.IES

Test #: 15261.0

Efficiency 90.4%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens	
	0°	22.5°	45°	67.5°		
0°	1040	1040	1040	1040	1040	
5°	1034	1034	1032	1032	1029	99
15°	972	970	967	965	962	274
25°	869	866	861	848	843	397
35°	704	699	686	671	665	430
45°	514	509	496	485	482	385
55°	374	370	369	385	397	339
65°	232	238	264	310	334	272
75°	106	127	179	218	232	183
85°	17	44	58	66	68	57
90°	1	3	3	3	3	
95°	31	44	26	17	17	30
105°	161	225	235	218	210	228
115°	318	366	446	462	457	412
125°	472	504	568	627	648	507
135°	581	599	647	687	704	499
145°	723	733	761	789	799	478
155°	834	844	851	866	874	395
165°	897	901	910	911	910	257
175°	933	933	934	934	934	89
180°	931	931	931	931	931	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	770	13.0	14.4
0-40°	2436	41.3	45.7
0-60°	1178	20.0	22.1
0-90°	2896	49.1	54.3
Total Luminaire 0-180°	5332	90.4	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	2970	2866	2785
55°	2664	2628	2828
65°	2243	2552	3229
75°	1673	2825	3662
85°	797	2719	3187

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00	
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10
RCR 0	96	96	96	96	88	88	88	73	73	60	60	47	47	41	41
1	88	84	80	77	80	77	71	64	60	53	50	42	40	35	35
2	80	74	68	63	73	68	59	57	50	47	42	37	34	30	30
3	73	65	58	53	67	60	50	50	43	42	36	33	30	26	26
4	67	58	51	45	61	53	42	45	37	37	31	30	26	22	22
5	62	51	44	39	56	47	36	40	32	33	27	27	22	19	19
6	57	46	39	34	52	43	32	36	28	30	24	24	20	17	17
7	52	42	35	30	48	39	28	33	24	27	21	22	17	15	15
8	49	38	31	26	44	35	25	30	21	25	18	20	15	13	13
9	45	34	27	23	41	32	22	27	19	22	16	18	13	11	11
10	42	31	25	21	38	29	19	25	17	21	14	17	12	10	10

Numbers indicate percentage values of reflectivity.

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

note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.

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FLUORESCENT - FLAT ACRYLIC DIFFUSER

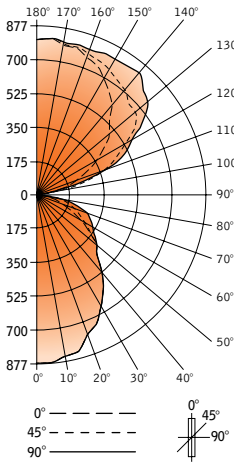
FVRS-ACF-2T5-1C-120-S-WH-4

Filename: FVRSACF2T5.IES

Test #: 15240.0

Efficiency 95.7%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	877	877	877	877	877	877
5°	876	876	876	876	876	84
15°	841	841	841	841	841	238
25°	741	741	741	738	735	342
35°	608	608	601	594	592	377
45°	448	445	443	438	437	342
55°	326	327	330	347	360	302
65°	200	212	237	281	303	244
75°	92	116	163	196	210	166
85°	14	39	51	59	62	51
90°	0	2	2	2	3	
95°	28	40	29	26	22	33
105°	143	224	254	206	191	225
115°	281	379	449	484	494	422
125°	420	486	617	661	672	518
135°	520	558	672	757	775	510
145°	643	662	726	791	820	457
155°	735	744	770	805	820	358
165°	791	794	801	809	814	227
175°	820	819	822	822	820	78
180°	813	813	813	813	813	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	664	12.8	13.4
0-40°	2147	41.3	43.1
0-60°	198	3.0	24.1
0-90°	2829	54.4	56.9
Total Luminaire	4976	95.7	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2588	2559	2525
55°	2322	2350	2564
65°	1933	2291	2929
75°	1452	2573	3315
85°	656	2391	2906

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling	80				70				20				50				30				10				00			
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10					
RCR 0	101	101	101	101	92	92	92	76	76	61	61	48	48	41														
1	92	88	85	81	84	81	75	67	63	54	51	42	41	35														
2	84	77	71	67	77	71	62	59	52	48	43	38	35	30														
3	77	68	61	56	70	63	52	52	44	43	37	34	30	26														
4	71	60	53	47	64	56	44	47	38	38	32	30	26	22														
5	65	54	46	41	59	50	38	41	33	34	27	27	22	19														
6	60	48	41	35	54	45	33	37	28	31	24	25	20	17														
7	55	44	36	31	50	40	29	34	25	28	21	22	17	15														
8	51	37	32	27	46	36	25	31	22	25	19	20	15	13														
9	47	36	29	24	43	33	22	28	19	23	16	18	13	11														
10	44	33	26	21	40	30	20	25	17	21	15	17	12	10														

Numbers indicate percentage values of reflectivity.

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

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FLUORESCENT - RADIAL ACRYLIC DIFFUSER

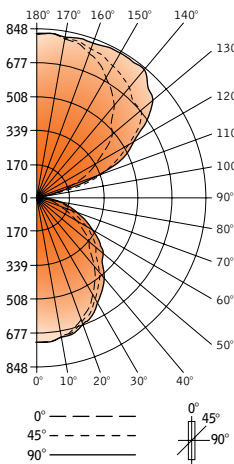
FVRS-ACR-2T5-1C-120-S-WH-4

Filename: FVRSACR2T5.IES

Test #: 15244.0

Efficiency 93.0%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	734	734	734	734	734	734
5°	737	735	737	737	737	70
15°	701	705	709	715	716	201
25°	626	632	646	659	665	299
35°	517	527	547	570	580	344
45°	383	396	425	455	468	329
55°	286	304	339	371	381	302
65°	177	197	232	256	266	225
75°	82	107	135	149	152	134
85°	11	34	41	47	49	42
90°	2	3	4	4	4	
95°	27	41	28	22	22	32
105°	147	228	249	200	182	223
115°	290	390	459	485	497	429
125°	731	503	635	677	685	632
135°	534	576	689	777	798	524
145°	659	680	749	815	843	470
155°	751	761	791	858	843	368
165°	806	809	819	830	834	232
175°	835	835	836	836	835	80
180°	829	829	829	829	829	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	570	11.0	11.8
0-40°	1947	37.4	40.3
0-60°	1215	23.4	25.1
0-90°	2889	55.6	59.7
Total Luminaire	4836	93.0	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	213	2455	2704
55°	2037	2415	2714
65°	1711	2243	2571
75°	1294	2131	2399
85°	516	1922	2297

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling	80				70				20				50				30				10				00			
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10					
RCR 0	97	97	97	97	89	89	89	72	72	58	58	44	44	37														
1	89	85	82	78	84	78	72	64	60	51	48	39	37	32														
2	81	75	69	64	74	68	59	56	50	45	41	35	32	27														
3	74	66	59	54	67	60	50	50	42	40	35	32	27	23														
4	68	58	51	46	62	53	42	44	36	36	30	28	24	20														
5	62	52	44	39	56	47	36	39	31	32	26	25	20	17														
6	57	46	39	34	52	43	31	35	27	29	22	22	18	15														
7	53	42	35	29	48	38	27	32	23	26	20	20	16	13														
8	49	38	31	26	44	35	24	29	21	23	17	18	14	11														
9	45	34	27	23	41	31	21	26	18	21	15	16	12	10														
10	42	31	25	20	38	29	19	24	16	19	13	15	11	9														

Numbers indicate percentage values of reflectivity.

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

note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.



FLUORESCENT - FLAT ACRYLIC DIFFUSER

FVRS-ACF-DR2-12T5-1C-120-S-WH-4

Filename: FVRSACFDR22T5.IES

Test #: 15239.0

Efficiency 82.6%

CANDLEPOWER DISTRIBUTION

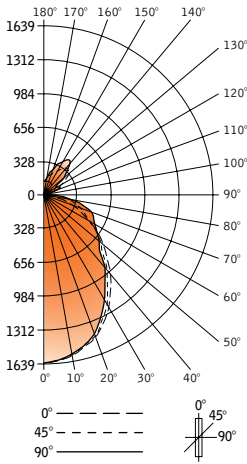


Table with columns: Vertical Angle, Horizontal Angle, Zonal Lumens. Rows show lumens at various angles from 0 to 180 degrees.

LUMEN SUMMARY

Table with columns: Zone, Lumens, % Lamp, % Fixture. Rows show lumens for zones 0-30, 0-40, 0-60, 0-90 and total luminaire.

LUMINANCE DATA (CD/M²)

Table with columns: Vertical Angle, 0°, 45°, 90°. Rows show luminance values at various angles.

CO-EFFICIENTS OF UTILIZATION

Table with columns: Floor, Ceiling, Wall, RCR and rows for different reflectance values (80, 70, 20, 50, 30, 10, 00).

Numbers indicate percentage values of reflectivity.

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



FLUORESCENT - RADIAL ACRYLIC DIFFUSER

FVRS-ACR-DR2-2T5-1C-120-S-WH-4

Filename: FVRSACRDR22T5.IES

Test #: 15243.0

Efficiency 78.0%

CANDLEPOWER DISTRIBUTION

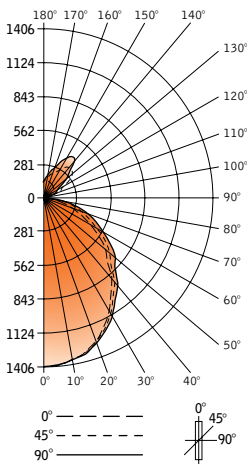


Table with columns: Vertical Angle, Horizontal Angle, Zonal Lumens. Rows show lumens at various angles from 0 to 180 degrees.

LUMEN SUMMARY

Table with columns: Zone, Lumens, % Lamp, % Fixture. Rows show lumens for zones 0-30, 0-40, 0-60, 0-90 and total luminaire.

LUMINANCE DATA (CD/M²)

Table with columns: Vertical Angle, 0°, 45°, 90°. Rows show luminance values at various angles.

CO-EFFICIENTS OF UTILIZATION

Table with columns: Floor, Ceiling, Wall, RCR and rows for different reflectance values (80, 70, 20, 50, 30, 10, 00).

Numbers indicate percentage values of reflectivity.

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

note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.