

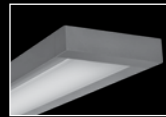
flat diffuser



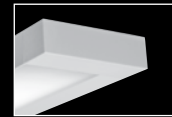
radial diffuser



suspended or surface mount

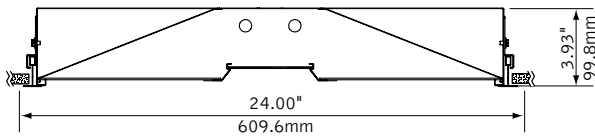


linear companion



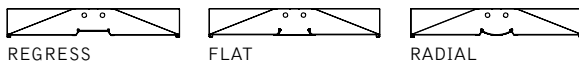
wall mount companion

DIMENSIONAL DATA

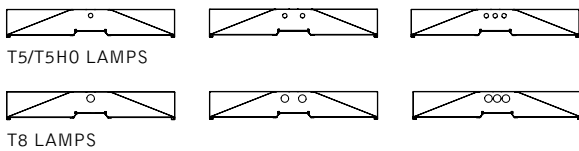


Overall height for luminaire with Air Return is 4.58"

shielding options



lamping



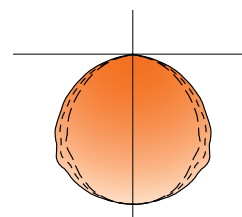
FEATURES

High efficiency architectural recessed fluorescent luminaire.

Three distinctive aesthetics offer contemporary styling, and complement architecture.

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

PERFORMANCE



Regress Acrylic Diffuser
2-lamp T5

91.1% Efficient

1863 cd @ 0°

PRODUCT OVERVIEW

Lumen Output: 2516-12330lm
Wattage: 33-177W
Lamping: T5, T5HO, T8

Visit focalpointlights.com for complete photometric data.

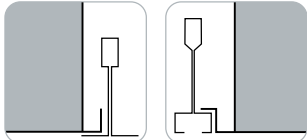
fixture:

project:

SUSPENSION INFORMATION

grid

specify "G" for flat 9/16" and 15/16" tee or "ST" for 9/16" slot tee grid types.

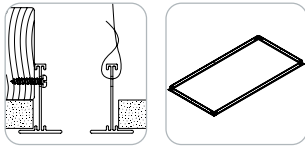


"G" flat tee
Luminaires may be installed in T-bar ceiling systems up to 1 11/16" high".

"ST" slot tee

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

Construction

One piece 20 Ga. steel reflector and housing. 20 Ga. steel ends. Positional brackets supplied as standard. Weight: 25 lbs .

Optic

20 Ga. steel reflectors finished in matte satin white powder coat. .095" thick frosted white acrylic diffusers with linear MicroGroove™ pattern.

Electrical

Electronic ballasts are thermally protected and have a Class "P" rating. Consult factory for dimming specifications and availability.

Labels

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	FVR	FVR
Veer	FVR	
Nominal Size		24
2' x 4'	24	
Shielding		
Radial Acrylic Diffuser	ACR	
Flat Acrylic Diffuser	ACF	
Regress Acrylic Diffuser	ACG	
Lamp Quantity		
One Lamp	1	
Two Lamp	2	
Three Lamp	3	
Lamp Type		
T5	T5	
T5HO	T5HO	
T8	T8	
Circuit		
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 1-lamp T5HO dimming or EM option)</small>		
Ballast		
Electronic Program Start <10% THD	S	
0-10V	D7	
Lutron 1% 3-wire	DH	
Lutron 1% H-Series	DK	
Mounting		
24" Aircraft Cable	C24	
48" Aircraft Cable	C48	
96" Aircraft Cable	C96	
Drywall Frame Kit	DF	
<small>(Cut out dimensions: Min: 24.25"/Max: 24.563" Min: 48.25"/Max 48.563")</small>		
Grid	G	
Slot Tee	ST	
Surface Mount	SM	
Factory Options		
Air Return	AR	
<small>(Overall height with Air Return is 4.58")</small>		
Chicago Plenum	CP	
Emergency Battery Pack*	EM	
HLR/GLR Fuse	FU	
6' New York City Flex Whip	FNY	
6' Flex Whip	FW	
Include 3000K Lamp*	L830	
Include 3500K Lamp*	L835	
Include 4100K Lamp*	L841	
Finish		
Matte Satin White	WH	
Matte Satin White with Anti-Microbial Coating	WHA	

Veer® 2x4

FLUORESCENT - REGRESS ACRYLIC DIFFUSER

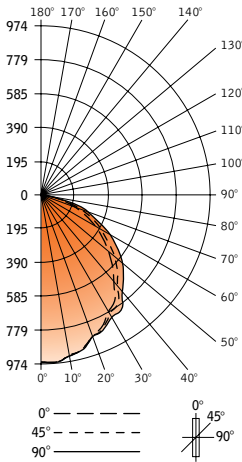
FVR-24-ACG-1-T5-120-G-WH

Filename: FVR241T5ACG.IES

Test #: 16751.0

Efficiency 91%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	967	967	967	967	967
5°	974	974	972	971	972
15°	924	924	924	924	262
25°	842	840	845	852	392
35°	746	751	769	793	485
45°	570	582	622	658	481
55°	413	429	467	517	424
65°	270	281	315	355	316
75°	135	137	159	175	166
85°	34	31	29	28	33
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	% Lamp	% Fixture
0-30°	746	25.7	28.2
0-40°	1232	42.5	46.4
0-60°	2137	73.7	80.6
0-90°	2652	91.4	100.0
Total Luminaire 0-180°	2652	91.4	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1168	1274	1387
55°	1042	1180	1363
65°	923	1078	1279
75°	757	888	1003
85°	570	488	488

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	109	109	109	109	106	106	106	102	102	97	97	93	93	91
1	101	97	93	90	98	95	88	91	86	87	83	84	81	79
2	92	85	79	75	90	84	74	80	72	77	70	75	69	67
3	85	76	69	63	82	74	63	72	62	69	61	67	60	58
4	78	67	60	54	76	66	54	64	53	62	52	60	51	50
5	71	60	52	46	69	59	46	57	45	55	45	53	44	42
6	65	53	45	40	64	53	40	51	39	49	39	48	38	37
7	60	48	40	35	59	47	34	46	34	44	34	43	34	32
8	55	43	35	30	54	42	30	41	30	40	29	39	29	28
9	51	39	31	26	50	38	26	37	26	36	25	35	25	24
10	47	35	28	23	46	35	23	34	23	33	23	32	22	21

Numbers indicate percentage values of reflectivity.

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

Veer® 2x4

FLUORESCENT - REGRESS ACRYLIC DIFFUSER

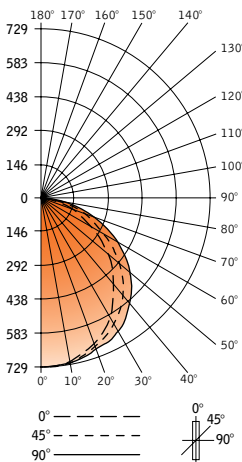
FVR-24-ACG-2-T5-120-G-WH

Filename: FVR242T5ACG.IES

Test #: 16752.0

Efficiency 91%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	1863	1863	1863	1863	1863
5°	1860	1860	1860	1860	178
15°	1783	1786	1799	1815	1822
25°	1623	1636	1680	1725	1743
35°	1434	1471	1552	1618	1641
45°	1136	1187	1289	1350	1377
55°	823	872	945	1014	1049
65°	542	569	628	692	717
75°	273	278	310	336	343
85°	67	62	57	59	57
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	% Lamp	% Fixture
0-30°	1466	25.3	27.8
0-40°	2436	42.0	46.1
0-60°	4265	73.5	80.8
0-90°	5282	91.1	100.0
Total Luminaire 0-180°	5282	91.1	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2326	2640	2820
55°	2078	2386	2648
65°	1857	2152	2457
75°	1527	1734	1919
85°	113	947	947

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	108	108	108	108	106	106	106	101	101	97	97	93	93	91
1	100	96	93	89	98	94	88	90	85	87	83	84	80	78
2	92	85	79	74	89	83	73	80	72	77	70	74	69	67
3	84	75	68	63	82	74	62	71	61	69	60	67	59	57
4	77	67	59	54	75	66	53	64	53	62	52	60	51	49
5	71	59	51	46	69	58	45	56	45	55	44	53	44	42
6	65	53	45	39	63	52	39	51	39	49	39	48	38	36
7	60	48	40	34	58	47	34	45	34	44	34	43	33	32
8	55	43	35	30	54	42	30	41	29	40	29	39	29	27
9	51	38	31	26	49	38	25	37	25	36	25	35	25	23
10	47	35	27	23	46	34	22	33	22	32	22	32	22	21

Numbers indicate percentage values of reflectivity.

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

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FLUORESCENT - REGRESS ACRYLIC DIFFUSER

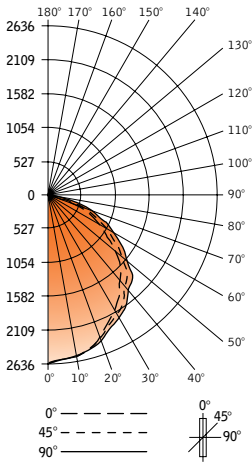
FVR-24-ACG-3-T5-120-G-WH

Filename: FVR243T5ACG.IES

Test #: 16753.0

Efficiency 82%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	2636	2636	2636	2636	2636	2636
5°	2582	2582	2582	2581	2581	246
15°	2485	2488	2495	250	2509	708
25°	2214	2225	2255	2287	2303	1044
35°	1939	1966	2035	2097	2116	1276
45°	1599	1647	1748	1821	1858	1345
55°	1146	1195	1279	1372	1415	1150
65°	755	782	851	940	978	854
75°	371	375	420	453	467	441
85°	96	89	80	82	79	92
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1998	23.0	27.9
0-40°	3275	37.6	45.8
0-60°	5769	66.3	80.6
0-90°	7156	82.2	100.0
Total Luminaire 0-180°	7156	82.2	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	3275	3580	3805
55°	2893	3229	3573
65°	2587	2916	3351
75°	2076	2350	2613
85°	1595	1329	1313

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	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			
RCR 0	98	98	98	98	96	96	96	91	91	87	87	84	84	84	84	84	84	84	84	84	82			
1	90	87	84	81	88	85	79	82	77	78	75	75	72	71	71	71	71	71	71	71	70			
2	83	77	71	67	81	75	66	72	65	70	63	67	62	60	60	60	60	60	60	60	59			
3	76	68	62	57	74	67	56	64	55	62	54	60	53	52	52	52	52	52	52	52	52			
4	70	61	54	48	68	59	48	57	47	56	47	54	46	45	45	45	45	45	45	45	45			
5	64	54	46	41	62	53	41	51	40	49	40	48	40	38	38	38	38	38	38	38	38			
6	59	48	41	36	57	47	35	46	35	44	35	43	34	33	33	33	33	33	33	33	33			
7	54	43	36	31	53	42	31	41	31	40	30	39	30	29	29	29	29	29	29	29	29			
8	50	39	32	27	48	38	27	37	27	36	26	35	26	25	25	25	25	25	25	25	25			
9	46	35	28	23	44	34	23	33	23	32	23	31	23	22	22	22	22	22	22	22	22			
10	42	31	25	20	41	31	20	30	20	29	20	28	20	19	19	19	19	19	19	19	19			

Numbers indicate percentage values of reflectivity.

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

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FLUORESCENT - REGRESS ACRYLIC DIFFUSER

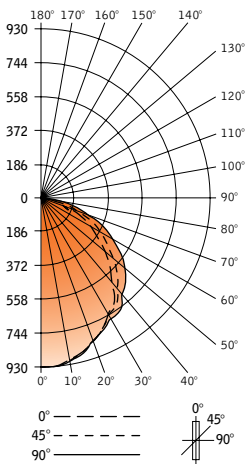
FVR-24-ACF-1-T5-120-G-WH

Filename: FVR241T5ACF.IES

Test #: 16754.0

Efficiency 89%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	924	924	924	924	924	924
5°	930	930	928	926	926	89
15°	881	881	880	877	878	249
25°	800	797	799	804	807	371
35°	708	711	726	750	761	459
45°	538	549	588	632	658	458
55°	389	405	449	511	538	410
65°	258	271	317	368	389	317
75°	129	137	168	198	212	178
85°	35	39	49	53	56	51
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	709	24.4	27.4
0-40°	1167	40.3	45.2
0-60°	2036	70.2	78.8
0-90°	2582	89.0	100.0
Total Luminaire 0-180°	2582	89.0	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1101	1205	1348
55°	981	1133	1357
65°	884	1086	1332
75°	721	940	1186
85°	587	809	936

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	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			
RCR 0	106	106	106	106	104	104	104	99	99	95	95	91	91	91	91	91	91	91	91	91	89			
1	98	94	90	87	95	92	85	88	83	84	80	81	78	76	76	76	76	76	76	76	76			
2	89	82	77	72	87	81	71	78	69	75	68	72	66	64	64	64	64	64	64	64	64			
3	82	73	66	60	80	72	60	69	59	67	58	64	57	55	55	55	55	55	55	55	55			
4	75	65	57	52	73	64	51	61	50	59	50	57	49	47	47	47	47	47	47	47	47			
5	69	57	49	44	67	56	43	54	43	53	42	51	42	40	40	40	40	40	40	40	40			
6	63	51	43	38	61	50	38	49	37	47	37	46	37	35	35	35	35	35	35	35	35			
7	58	46	38	33	57	45	33	44	33	43	32	41	32	30	30	30	30	30	30	30	30			
8	53	41	34	28	52	41	28	39	28	38	28	37	28	26	26	26	26	26	26	26	26			
9	49	37	30	25	48	36	25	35	24	34	24	33	24	22	22	22	22	22	22	22	22			
10	46	34	27	22	45	33	22	32	22	31	21	31	21	19	19	19	19	19	19	19	19			

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® 2x4

FLUORESCENT - FLAT ACRYLIC DIFFUSER

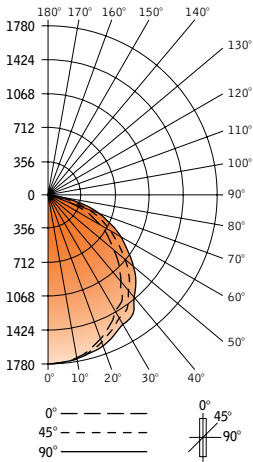
FVR-24-ACF-2-T5-120-G-WH

Filename: FVR243T5ACG.IES

Test #: 16756.0

Efficiency 89%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	1780	1780	1780	1780	1780	1780
5°	1775	1774	1774	774	1774	169
15°	1697	1699	1709	1722	1729	485
25°	1537	1551	1588	1625	1643	735
35°	1358	1387	1464	1531	1553	917
45°	1069	1118	1219	1289	1325	934
55°	775	823	910	1003	1038	817
65°	514	546	627	712	747	624
75°	258	276	335	385	408	352
85°	67	75	93	105	109	99
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1390	24.0	27.1
0-40°	2306	39.8	44.9
0-60°	4057	70.0	79.1
0-90°	5131	88.5	100.0
Total Luminaire 0-180°	5131	88.5	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2188	2496	2714
55°	1957	2297	2622
65°	1761	2148	2559
75°	1446	1877	2280
85°	1118	1539	1814

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	105	105	105	105	103	103	103	98	98	94	94	90	90	88
1	97	93	89	86	95	91	85	87	82	84	80	81	77	75
2	89	82	76	71	86	80	70	77	69	74	67	72	66	64
3	81	72	66	60	79	71	60	69	59	66	58	64	57	55
4	75	64	57	51	73	63	51	61	50	59	49	57	49	47
5	68	57	49	43	66	56	43	54	43	52	42	51	42	40
6	63	51	43	38	61	50	37	48	37	47	37	46	36	35
7	58	46	38	33	56	45	32	44	32	42	32	41	32	30
8	53	41	33	28	52	40	28	39	28	38	28	37	28	26
9	49	37	29	24	47	36	24	35	24	34	24	33	24	22
10	45	33	26	21	44	33	21	32	21	31	21	30	21	19

Numbers indicate percentage values of reflectivity.

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

Veer® 2x4

FLUORESCENT - RADIAL ACRYLIC DIFFUSER

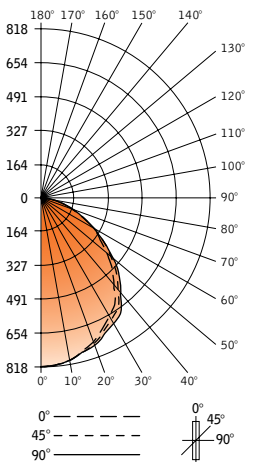
FVR-24-ACR-1-T5-120-G-WH

Filename: FVR241T5ACR.IES

Test #: 16755.0

Efficiency 87%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	811	811	811	811	811	811
5°	818	817	817	818	818	78
15°	793	795	801	807	813	227
25°	719	726	747	770	784	346
35°	652	667	715	766	791	451
45°	508	531	605	675	703	468
55°	380	408	476	538	561	424
65°	256	276	322	357	371	315
75°	134	141	159	175	180	167
85°	33	33	37	40	40	40
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	652	22.5	25.9
0-40°	1102	38.0	43.8
0-60°	1994	68.8	79.2
0-90°	2516	86.8	100.0
Total Luminaire 0-180°	2516	86.8	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1040	1238	1439
55°	690	1201	1415
65°	877	1103	1270
75°	748	892	1005
85°	555	619	666

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	103	103	103	103	101	101	101	96	96	92	92	89	89	87
1	95	91	88	85	93	89	83	86	81	82	78	79	76	74
2	87	80	75	70	85	79	69	76	67	73	66	70	65	63
3	80	71	64	59	78	70	58	67	57	65	56	63	55	54
4	73	63	56	50	71	62	50	60	49	58	48	56	48	46
5	66	55	48	42	65	55	42	53	41	51	41	49	41	39
6	61	50	42	36	59	49	36	47	36	46	35	44	35	33
7	56	44	37	31	55	44	31	42	31	41	31	40	31	29
8	52	40	32	27	50	39	27	38	27	37	27	36	26	25
9	47	35	28	23	46	35	23	34	23	33	23	32	23	21
10	44	32	25	20	43	32	20	31	20	30	20	29	20	18

Numbers indicate percentage values of reflectivity.

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

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FLUORESCENT - RADIAL ACRYLIC DIFFUSER

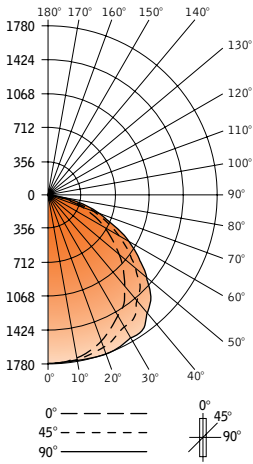
FVR-24-ACR-2-T5-120-G-WH

Filename: FVR242T5ACR.IES

Test #: 16757.0

Efficiency 87%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	1609	1609	1609	1609	1609	1609
5°	1610	1608	1610	1611	1611	154
15°	1545	1553	1576	1600	1611	447
25°	1420	1442	1508	1574	1603	698
35°	1276	1326	1442	1546	1585	902
45°	1031	1101	1249	1357	1400	953
55°	765	833	950	1040	1073	839
65°	518	563	637	694	717	623
75°	265	279	310	334	343	325
85°	67	65	72	75	73	77
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1299	22.4	25.9
0-40°	2201	38.0	43.9
0-60°	3994	68.9	79.6
0-90°	5018	86.5	100.0
Total Luminaire 0-180°	5018	86.5	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2111	2558	2867
55°	1932	2398	2710
65°	1774	2182	2456
75°	1484	1735	1920
85°	1118	1199	1215

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	103	103	103	103	101	101	101	96	96	92	92	88	88	87
1	95	91	88	84	93	89	83	85	80	82	78	79	76	74
2	87	80	75	70	85	78	69	75	67	73	66	70	64	63
3	80	71	64	59	77	70	57	67	57	65	56	63	55	54
4	73	63	56	50	71	62	50	60	49	58	48	56	48	46
5	66	55	48	42	65	54	42	53	41	51	41	49	41	39
6	61	49	42	36	59	49	36	47	36	46	35	44	35	33
7	56	44	37	31	55	44	31	42	31	41	31	40	31	29
8	51	40	32	27	50	39	27	38	27	37	27	36	26	25
9	47	35	28	23	46	35	23	34	23	33	23	32	23	21
10	44	32	25	20	43	32	20	31	20	30	20	29	20	18

Numbers indicate percentage values of reflectivity.

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FLUORESCENT - REGRESS ACRYLIC DIFFUSER

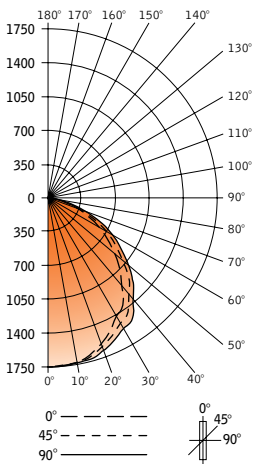
FVR-24-ACG-2-T8-120-G-WH

Filename: FVR242T8ACG.IES

Test #: 16780.0

Efficiency 83%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	1748	1748	1748	1748	1748	1748
5°	1748	1746	1746	1750	1746	167
15°	1685	1688	1701	1716	1722	483
25°	1521	1534	1576	1611	1624	728
35°	1358	1388	1452	1510	1531	910
45°	1065	1108	1187	1236	1257	908
55°	771	808	865	915	938	772
65°	506	527	562	617	636	565
75°	255	258	283	298	305	296
85°	65	60	52	50	50	60
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1378	23.3	28.2
0-40°	2288	38.8	46.8
0-60°	3968	67.3	81.2
0-90°	4889	82.9	100.0
Total Luminaire 0-180°	4889	82.9	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2181	2431	2574
55°	1947	2184	2368
65°	1734	1926	2179
75°	1427	1583	1707
85°	1080	864	831

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	99	99	99	99	96	96	96	92	92	88	88	85	85	83
1	91	88	84	81	89	86	80	82	78	79	75	76	73	71
2	84	77	72	68	82	76	67	73	66	70	64	68	63	61
3	77	69	63	57	75	67	57	65	56	63	55	61	54	52
4	71	61	54	49	69	60	49	58	48	56	48	54	47	45
5	64	54	47	42	63	53	42	52	41	50	41	48	40	38
6	59	49	41	36	58	48	36	46	36	45	35	44	35	33
7	55	44	36	31	53	43	31	42	31	40	31	39	31	29
8	50	39	32	27	49	38	27	37	27	36	27	35	27	25
9	46	35	28	24	45	34	23	34	23	33	23	32	23	22
10	43	32	25	21	42	31	21	30	21	30	20	29	20	19

Numbers indicate percentage values of reflectivity.

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

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FLUORESCENT - FLAT ACRYLIC DIFFUSER

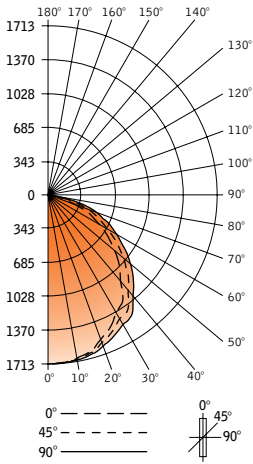
FVR-24-ACF-2-T8-120-G-WH

Filename: FVR242T8ACF.IES

Test #: 16781.0

Efficiency 83%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	1713	1713	1713	1713	1713	1713
5°	1713	1711	1711	1713	1713	163
15°	1647	1651	1664	1675	1681	472
25°	1484	1497	1533	1566	1583	709
35°	1320	1347	1414	1469	1489	885
45°	1032	1073	1152	1212	1232	885
55°	746	784	851	921	953	764
65°	491	519	581	649	675	579
75°	247	262	305	350	371	324
85°	67	73	88	97	101	93
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1344	22.8	27.6
0-40°	2229	37.8	45.7
0-60°	3878	65.7	79.6
0-90°	4874	82.6	100.0
Total Luminaire 0-180°	4874	82.6	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2114	2359	2523
55°	1883	2149	2406
65°	1682	1991	2313
75°	1382	1707	2076
85°	1113	1462	1678

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	98	98	98	98	96	96	96	92	92	88	88	84	84	83
1	91	87	84	81	88	85	79	82	77	78	74	75	72	71
2	83	77	71	67	81	75	66	72	64	69	63	67	62	60
3	76	68	62	56	74	67	56	64	55	62	54	60	53	51
4	70	60	53	48	68	59	48	57	47	55	47	54	46	44
5	64	53	46	41	62	52	41	51	40	49	40	48	39	38
6	59	48	41	35	57	47	35	46	35	44	35	43	34	33
7	54	43	36	31	53	42	31	41	30	40	30	39	30	28
8	50	39	31	27	48	38	27	37	26	36	26	35	26	24
9	46	35	28	23	45	34	23	33	23	32	23	31	23	21
10	42	31	25	20	41	31	20	30	20	29	20	28	20	18

Numbers indicate percentage values of reflectivity.

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

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FLUORESCENT - RADIAL ACRYLIC DIFFUSER

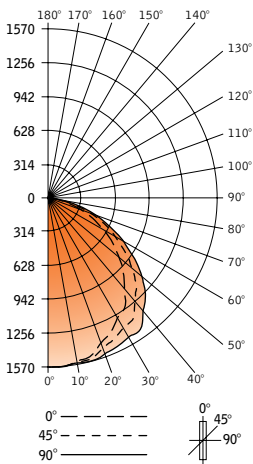
FVR-24-ACR-2-T8-120-G-WH

Filename: FVR242T8ACR.IES

Test #: 16782.0

Efficiency 80%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	1562	1562	1562	1562	1562	1562
5°	1568	1566	1568	1570	1570	150
15°	1516	1521	1542	1563	1570	437
25°	1375	1396	1448	1501	1521	670
35°	1245	1285	1379	1461	1495	863
45°	990	1045	1159	1249	1283	887
55°	731	784	880	953	797	779
65°	493	527	589	630	647	575
75°	251	264	285	303	311	300
85°	63	63	67	73	73	74
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1257	21.3	26.5
0-40°	2120	35.9	44.8
0-60°	3788	64.2	80.0
0-90°	4736	80.3	100.0
Total Luminaire 0-180°	4736	80.3	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2027	2374	2628
55°	1846	2222	2472
65°	1689	2018	2217
75°	1404	1595	1740
85°	1047	1113	1213

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	96	96	96	96	93	93	93	89	89	85	85	82	82	80
1	88	85	81	78	86	83	77	79	75	76	72	73	70	69
2	81	74	69	65	79	73	64	70	63	68	61	65	60	58
3	74	66	60	55	72	65	54	62	53	60	53	58	52	50
4	68	59	52	47	66	58	46	56	46	54	45	52	45	43
5	62	52	45	39	60	51	39	49	39	48	38	46	38	36
6	57	46	39	34	55	45	34	44	34	43	33	41	33	31
7	52	41	34	30	51	41	29	40	29	38	29	37	29	27
8	48	37	30	25	47	36	25	35	25	34	25	33	25	23
9	44	33	26	22	43	33	22	32	22	31	22	30	21	20
10	41	30	24	19	40	30	19	29	19	28	19	27	19	17

Numbers indicate percentage values of reflectivity.

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