

veer® 2x4



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.

details



Flat Diffuser



Radial Diffuser

companion luminaires

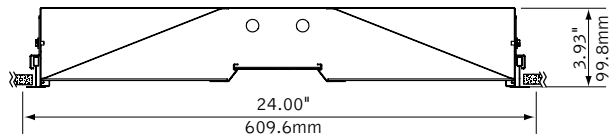


Veer® Suspended Linear



Veer® Wall Mount

dimensional data

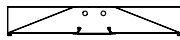


Overall height for luminaire with Air Return is 4.58"

shielding options



REGRESS

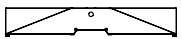


FLAT

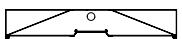


RADIAL

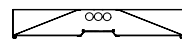
lamping



T5/T5HO LAMPS

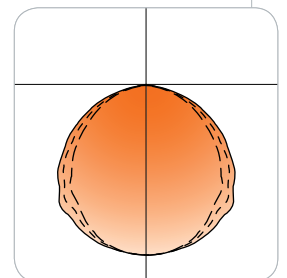


T8 LAMPS



performance

Regress Acrylic Diffuser
2-lamp T5
91.1% Efficiency
1863 cd @ 0°



Visit focalpointlights.com for complete photometric data.

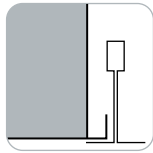
fixture:

project:

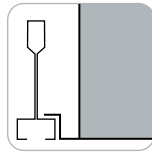
suspension information

grid

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



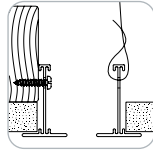
"G" flat tee
Luminaires may be installed in T-bar ceiling systems up to 1 11/16" high*.



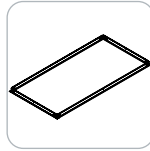
"ST" slot tee

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.
Earthquake 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.
UL and cUL listed.

sensors

Philips Luxsense daylight sensor measures reflected light from the surface below and dims lamp output when the light level exceeds required level. Output may be adjusted by turning the dial. A 0-10V dimming ballast is required (T5/T8 - DS, T5H0 - D7 standard).

Wattstopper daylight sensor is a closed loop system that measures total light level from daylight and electric light. A 0-10V dimming ballast is required (T5/T8 - DS, T5H0 - D7 standard).

Wattstopper occupancy sensor is a passive infrared sensor designed for cubicles and small offices. It has built-in daylight sensing that will hold lights off when adequate ambient light exists. One sensor controls multiple fixtures.

finish

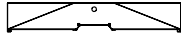
Polyester powder coat applied over a 5-stage pre-treatment.
Optional Matte Satin White with anti-microbial coating provides 99.99% protection against a broad spectrum of micro-organisms.

ordering

luminaire series		FVR
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	
T5H0	T5H0	
T8	T8	
ballast		
Electronic Instant Start <20% THD	E	
Electronic Program Start <10% THD	S	
Electronic Dimming Ballast*	D	
voltage		
120 Volt	120	
277 Volt	277	
347 Volt	347	
mounting		
Grid	G	
Slot Tee	ST	
factory options		
Air Return (Overall height with Air Return is 4.58")	AR	
Chicago Plenum	CP	
Drywall Frame Kit (Cut out dimensions: Min: 24.25"/Max: 24.563" Min: 48.25"/Max 48.563")	DF	
Emergency Battery Pack*	EM	
HLR/GLR Fuse	FU	
Flex Whip*	FW	
Include 3000K Lamp*	L830	
Include 3500K Lamp*	L835	
Include 4100K Lamp*	L841	
Separate Circuit*	SC	
Separate Circuit Tandem*	SCT	
Labor Saving Master Satellite*	LS	
Ballast Saving Tandem*	BST	
Lutron™ Sensor Feed* (EcoSystem ballast & controls required) (Lutron sensor cannot be fixture mounted)	SF	
Philips® Daylight Sensor* (0-10V dimming ballast required)	PY1	
WattStopper™ Daylight Sensor* (0-10V dimming ballast required)	WY1	
WattStopper™ Occupancy Sensor*	W01	
finish		
Matte Satin White	WH	
Matte Satin White with Anti-Microbial Coating	WHA	

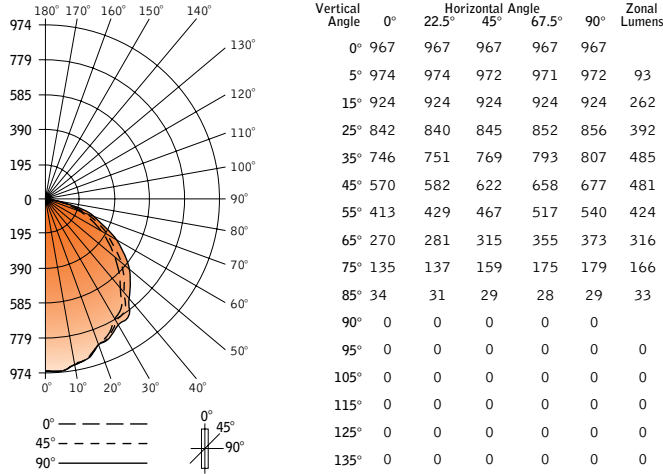
* for more information see Reference section.

Regress Acrylic Diffuser
veer® 2x4



Filename: FVR241T5ACG.IES
Catalog #: FVR-24-ACG-1-T5-120-G-WH
Efficiency: 91%
Test #: 19751.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
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	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

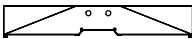
CO-EFFICIENTS OF UTILIZATION

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

Numbers indicate percentage values of reflectivity.

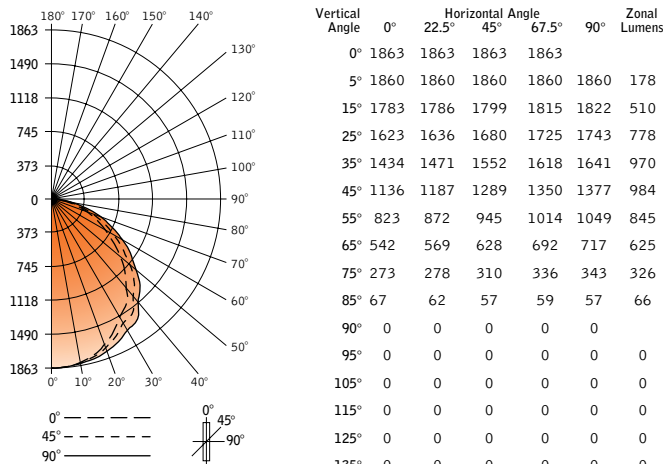
Go to www.focalpointlights.com for additional photometric data.

Regress Acrylic Diffuser
veer® 2x4



Filename: FVR242T5ACG.IES
Catalog #: FVR-24-ACG-2-T5-120-G-WH
Efficiency: 91%
Test #: 16752.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
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	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

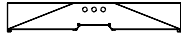
Floor	80				70				20						
Ceiling	30				50				10						
Wall	70	50	30	10	70	50	10	50	10	30	10	50	10	30	10
RCR 0	108	108	108	108	106	106	106	101	101	97	97	93	93	91	91
1	100	96	93	89	98	94	88	90	85	87	83	84	80	78	78
2	92	85	79	74	89	83	73	80	72	77	70	74	69	67	67
3	84	75	68	63	82	74	62	71	61	69	60	67	59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

Numbers indicate percentage values of reflectivity.

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

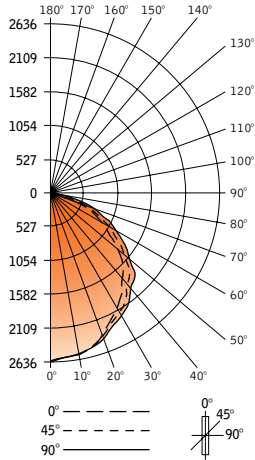
note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.

Regress Acrylic Diffuser veer® 2x4



Filename: FVR243T5ACG.IES
 Catalog #: FVR-24-ACG-3-T5-120-G-WH
 Efficiency: 82%
 Test #: 16753.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	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	% Fixt
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

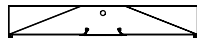
CO-EFFICIENTS OF UTILIZATION

Floor	80				70				20															
Ceiling	30				10				50				30				10				00			
Wall	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	98	98	98	98	96	96	96	96	96	91	91	87	87	84	84	82	82	82	82	82	82	82	82	
1	90	87	84	81	88	85	79	82	77	78	75	75	72	71	71	71	71	71	71	71	71	71	71	
2	83	77	71	67	81	75	66	72	65	70	63	67	62	60	60	60	60	60	60	60	60	60	60	
3	76	68	62	57	74	67	56	64	55	62	54	60	53	52	52	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	45	45	
5	64	54	46	41	62	53	41	51	40	49	40	48	40	38	38	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	33	33	
7	54	43	36	31	53	42	31	41	31	40	30	39	30	29	29	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	25	25	
9	46	35	28	23	44	34	23	33	23	32	23	31	23	21	21	21	21	21	21	21	21	21	21	
10	42	31	25	20	41	31	20	30	20	29	20	28	20	19	19	19	19	19	19	19	19	19	19	

Numbers indicate percentage values of reflectivity.

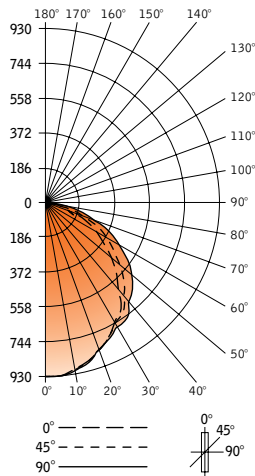
Go to www.focalpointlights.com for additional photometric data.

Flat Acrylic Diffuser veer® 2x4



Filename: FVR241T5ACF.IES
 Catalog #: FVR-24-ACF-1-T5-120-G-WH
 Efficiency: 89%
 Test #: 16754.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	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	% Fixt
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

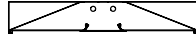
Floor	80				70				20															
Ceiling	30				10				50				30				10				00			
Wall	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	
RCR 0	106	106	106	106	104	104	104	104	99	99	95	95	91	91	89	89	89	89	89	89	89	89	89	
1	98	94	90	87	95	92	85	88	83	84	80	81	78	76	76	76	76	76	76	76	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	64	64	
3	82	73	66	60	80	72	60	69	59	67	58	64	57	55	55	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	47	47	
5	69	57	49	44	67	56	43	54	43	53	42	51	42	40	40	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	35	35	
7	58	46	38	33	57	45	33	44	33	43	32	41	32	30	30	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	26	26	
9	49	37	30	25	48	36	25	35	24	34	24	33	24	22	22	22	22	22	22	22	22	22	22	
10	46	34	27	22	45	33	22	32	22	31	21	31	21	20	20	20	20	20	20	20	20	20	20	

Numbers indicate percentage values of reflectivity.

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

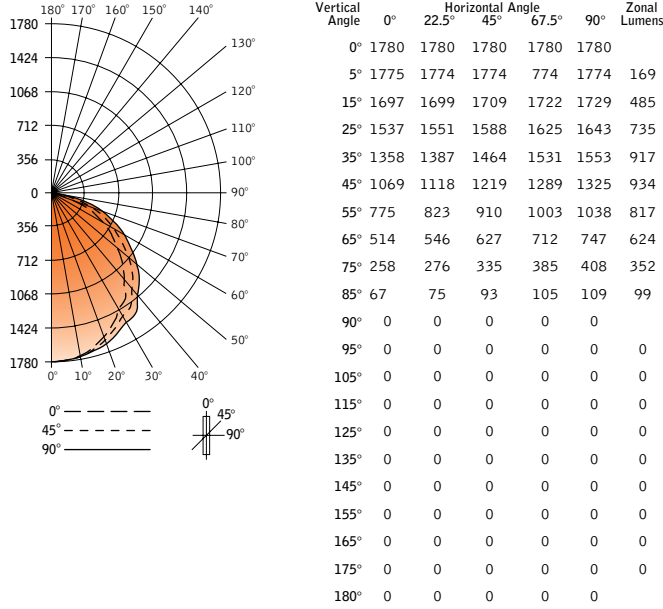
note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.

Flat Acrylic Diffuser veer® 2x4



Filename: FVR242T5ACF.IES
 Catalog #: FVR-24-ACF-2-T5-120-G-WH
 Efficiency: 89%
 Test #: 16756.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
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	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

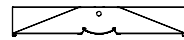
CO-EFFICIENTS OF UTILIZATION

Floor	80				70				20							
Ceiling	50				30				10				00			
Wall	70	50	30	10	70	50	10	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.

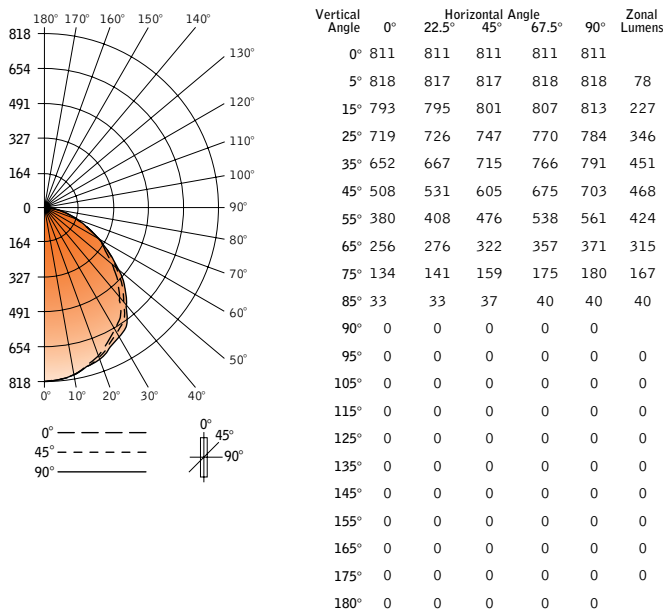
Go to www.focalpointlights.com for additional photometric data.

Radial Acrylic Diffuser veer® 2x4



Filename: FVR241T5ACR.IES
 Catalog #: FVR-24-ACR-1-T5-120-G-WH
 Efficiency: 87%
 Test #: 16755.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
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	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	80				70				20							
Ceiling	50				30				10				00			
Wall	70	50	30	10	70	50	10	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.

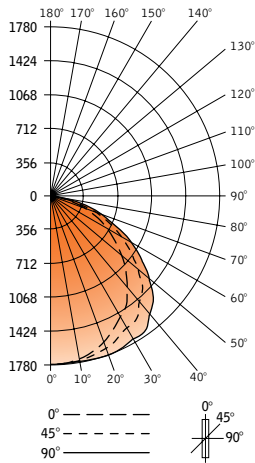
note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.

Radial Acrylic Diffuser veer® 2x4



Filename: FVR242T5ACR.IES
 Catalog #: FVR-24-ACR-2-T5-120-G-WH
 Efficiency: 87%
 Test #: 16757.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	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	
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	% Fixt
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	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

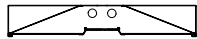
CO-EFFICIENTS OF UTILIZATION

Floor	80	70	20	30	10	00
Ceiling	80	70	50	30	10	00
Wall	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.

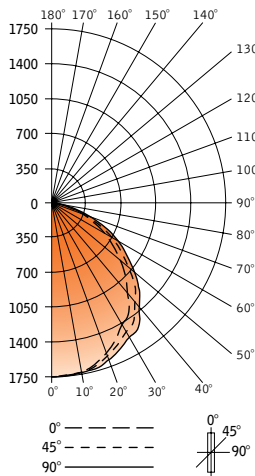
Go to www.focalpointlights.com for additional photometric data.

Regress Acrylic Diffuser veer® 2x4



Filename: FVR242T8ACG.IES
 Catalog #: FVR-24-ACG-2-T8-120-G-WH
 Efficiency: 83%
 Test #: 16780.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	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	
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	% Fixt
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	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

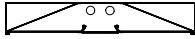
Floor	80	70	20	30	10	00
Ceiling	80	70	50	30	10	00
Wall	70 50 30 10	70 50 10	50 10	50 10	50 10	00
RCR 0	99 99 99 99	96 96 96	92 92	88 88	85 85	83
1	91 88 84 81	89 86 80	82 78	79 75	76 73	71
2	84 77 72 68	82 76 67	73 66	70 64	68 63	61
3	77 69 63 57	75 67 57	65 56	63 55	61 54	52
4	71 61 54 49	69 60 49	58 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.

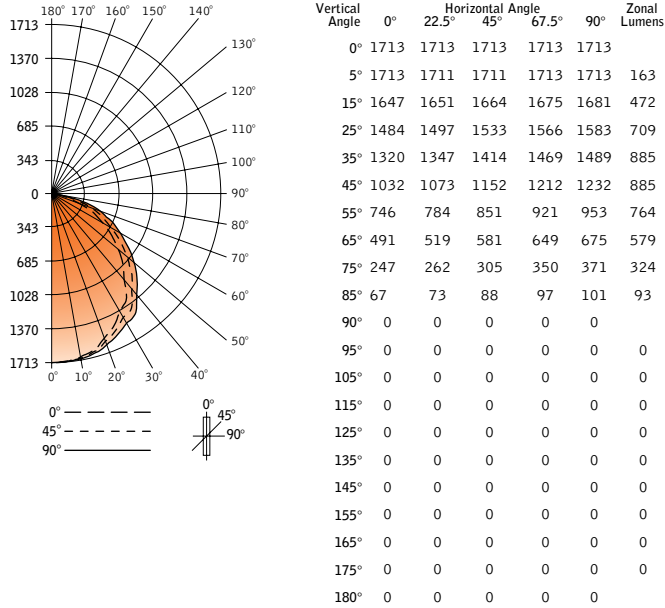
note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.

Flat Acrylic Diffuser veer® 2x4



Filename: FVR242T8ACF.IES
 Catalog #: FVR-24-ACF-2-T8-120-G-WH
 Efficiency: 83%
 Test #: 16781.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

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

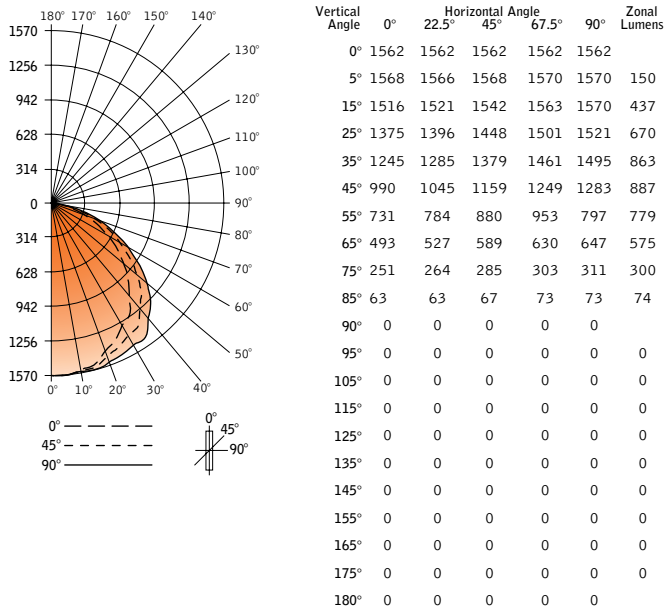
Go to www.focalpointlights.com for additional photometric data.

Radial Acrylic Diffuser veer® 2x4



Filename: FVR242T8ACR.IES
 Catalog #: FVR-24-ACR-2-T8-120-G-WH
 Efficiency: 80%
 Test #: 16782.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

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

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.