

CONVERJ 1x4



T5/T5HO, T8 ARCHITECTURAL RECESSED LUMINAIRE

50' x 50'

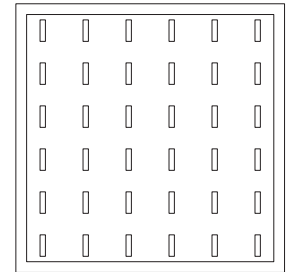
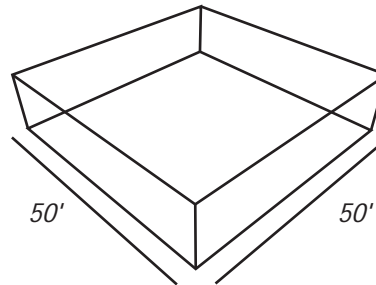
8' x 8' OC Spacing

ROOM PARAMETERS

Reflectances: ceiling - 80%
walls - 50%
floor - 20%

Light Loss Factor: T5/T5HO 0.81
T8 0.71

Ballast Factor, Lamp Lumen Depreciation & Luminaire Dirt Depreciation

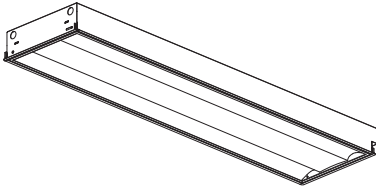


Open Space
Calculation area: 46' x 46'

Workplane (2'-6") Illuminance Calculation

		1T5 28w	1T5HO 54w	1T8 32w	2T5 28w	2T5HO 54w	2T8 32w	3T5 28w	3T5HO 54w	3T8 32w	
Ceiling Height	8'	Average:	32.4 fc	55.7 fc	27.5 fc	63.2 fc	108.8 fc	52.9 fc	90.7 fc	155.8 fc	72.4 fc
		Maximum:	42.0 fc	71.0 fc	36.0 fc	81.0 fc	140.0 fc	68.0 fc	117.0 fc	201.0 fc	95.0 fc
		Minimum:	23.0 fc	39.0 fc	19.0 fc	* 45.0 fc	* 78.0 fc	37.0 fc	* 64.0 fc	* 111.0 fc	* 51.0 fc
		Avg/Min Ratio:	1.41	1.43	1.45	1.41	1.40	1.43	1.42	1.40	1.42
	9'	Average:	31.4 fc	54.0 fc	26.8 fc	61.4 fc	105.6 fc	51.5 fc	88.0 fc	151.1 fc	70.4 fc
		Maximum:	37.1 fc	64.0 fc	32.0 fc	72.3 fc	124.0 fc	61.0 fc	104.0 fc	178.0 fc	84.0 fc
		Minimum:	20.6 fc	36.0 fc	18.0 fc	* 40.8 fc	* 70.0 fc	34.0 fc	* 58.3 fc	* 101.0 fc	* 47.0 fc
		Avg/Min Ratio:	1.52	1.50	1.49	1.50	1.51	1.51	1.51	1.50	1.50
	10'	Average:	30.5 fc	52.6 fc	26.1 fc	59.7 fc	102.7 fc	50.1 fc	85.6 fc	147.0 fc	68.6 fc
		Maximum:	34.8 fc	60.0 fc	30.0 fc	67.8 fc	117.0 fc	57.0 fc	97.5 fc	167.0 fc	79.0 fc
		Minimum:	19.0 fc	33.0 fc	16.0 fc	37.6 fc	* 65.0 fc	32.0 fc	* 53.6 fc	* 93.0 fc	* 43.0 fc
		Avg/Min Ratio:	1.61	1.59	1.63	1.59	1.58	1.57	1.60	1.58	1.59
Lighting Power Density WPSF		.461	.893	.432	.936	1.742	.850	1.397	2.635	1.253	

NOTES: * This application is not recommended
Partitions will reduce light levels up to 25%



CONVERJ 1 X 4



T5/T5HO, T8 ARCHITECTURAL RECESSED LUMINAIRE

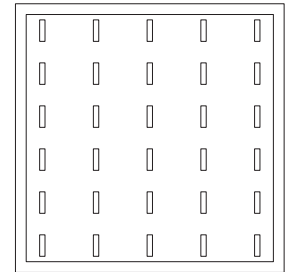
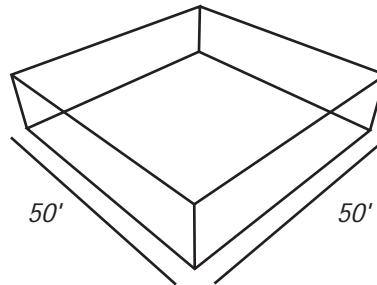
50' x 50' 8' x 10' OC Spacing

ROOM PARAMETERS

Reflectances: ceiling - 80%
 walls - 50%
 floor - 20%

Light Loss Factor: T5/T5HO 0.81
 T8 0.71

Ballast Factor, Lamp Lumen Depreciation & Luminaire Dirt Depreciation

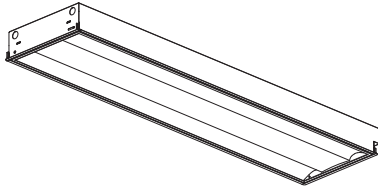


Open Space
Calculation area: 46' x 46'

Workplane (2'-6") Illuminance Calculation

		1T5 28w	1T5HO 54w	1T8 32w	2T5 28w	2T5HO 54w	2T8 32w	3T5 28w	3T5HO 54w	3T8 32w	
Ceiling Height	8'	Average:	26.7 fc	46.0 fc	22.8 fc	52.3 fc	90.0 fc	43.7 fc	75.0 fc	128.8 fc	59.8 fc
		Maximum:	38.0 fc	65.0 fc	33.0 fc	74.0 fc	128.0 fc	63.0 fc	108.0 fc	184.0 fc	88.0 fc
		Minimum:	17.0 fc	29.0 fc	14.0 fc	33.0 fc	* 56.0 fc	27.0 fc	* 47.0 fc	* 80.0 fc	36.0 fc
		Avg/Min Ratio:	1.57	1.59	1.63	1.58	1.61	1.62	1.60	1.61	1.66
	9'	Average:	25.9 fc	44.6 fc	22.1 fc	50.7 fc	87.2 fc	42.5 fc	72.7 fc	124.8 fc	58.2 fc
		Maximum:	32.6 fc	56.0 fc	28.0 fc	63.7 fc	110.0 fc	54.0 fc	91.9 fc	158.0 fc	75.0 fc
		Minimum:	18.2 fc	31.0 fc	16.0 fc	35.2 fc	* 61.0 fc	29.0 fc	* 50.3 fc	* 86.0 fc	40.0 fc
		Avg/Min Ratio:	1.42	1.44	1.38	1.44	1.43	1.46	1.44	1.45	1.46
	10'	Average:	25.2 fc	43.3 fc	21.5 fc	49.2 fc	84.7 fc	41.3 fc	70.6 fc	121.3 fc	56.5 fc
		Maximum:	29.7 fc	51.0 fc	25.0 fc	58.1 fc	100.0 fc	49.0 fc	83.6 fc	143.0 fc	68.0 fc
		Minimum:	17.6 fc	30.0 fc	15.0 fc	34.9 fc	* 60.0 fc	29.0 fc	* 49.9 fc	* 86.0 fc	40.0 fc
		Avg/Min Ratio:	1.43	1.44	1.43	1.41	1.41	1.42	1.41	1.41	1.41
Lighting Power Density WPSF		.384	.744	.360	1.515	1.452	.708	1.164	2.196	1.044	

NOTES: * This application is not recommended
Partitions will reduce light levels up to 25%



CONVERJ 1 X 4



T5/T5HO, T8 ARCHITECTURAL RECESSED LUMINAIRE

10' x 12'

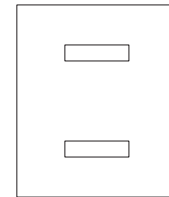
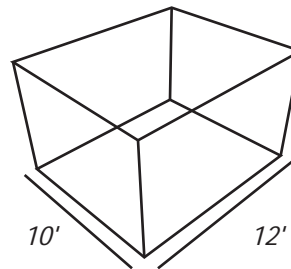
6' OC Spacing

ROOM PARAMETERS

Reflectances: ceiling - 80%
walls - 50%
floor - 20%

Light Loss Factor: T5/T5HO 0.81
T8 0.71

Ballast Factor, Lamp Lumen Depreciation & Luminaire Dirt Depreciation



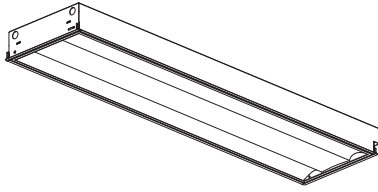
Open Space
Calculation area: 10' x 12'

Workplane (2'-6") Illuminance Calculation

		1T5 28w	1T5HO 54w	1T8 32w	2T5 28w	2T5HO 54w	2T8 32w	3T5 28w	3T5HO 54w	3T8 32w	
Ceiling Height	8'	Average:	24.4 fc	42.1 fc	20.9 fc	48.1 fc	82.7 fc	40.5 fc	69.2 fc	118.6 fc	55.5 fc
		Maximum:	34.0 fc	59.0 fc	29.0 fc	68.0 fc	116.0 fc	57.0 fc	97.0 fc	166.0 fc	77.0 fc
		Minimum:	16.0 fc	27.0 fc	14.0 fc	31.0 fc	* 54.0 fc	26.0 fc	* 45.0 fc	* 76.0 fc	36.0 fc
		Avg/Min Ratio:	1.53	1.56	1.50	1.55	1.55	1.56	1.54	1.56	1.56
	9'	Average:	21.9 fc	37.7 fc	18.7 fc	43.0 fc	74.1 fc	36.3 fc	61.9 fc	106.3 fc	49.9 fc
		Maximum:	30.0 fc	51.0 fc	25.0 fc	59.0 fc	* 101.0 fc	49.0 fc	* 84.0 fc	* 144.0 fc	67.0 fc
		Minimum:	15.0 fc	26.0 fc	13.0 fc	30.0 fc	* 52.0 fc	25.0 fc	* 43.0 fc	* 74.0 fc	35.0 fc
		Avg/Min Ratio:	1.46	1.45	1.44	1.43	1.42	1.45	1.44	1.44	1.43
	10'	Average:	19.6 fc	33.9 fc	16.7 fc	38.7 fc	66.6 fc	32.5 fc	55.5 fc	95.3 fc	44.9 fc
		Maximum:	26.0 fc	44.0 fc	22.0 fc	51.0 fc	* 87.0 fc	43.0 fc	73.0 fc	125.0 fc	58.0 fc
		Minimum:	14.0 fc	25.0 fc	12.0 fc	28.0 fc	* 49.0 fc	24.0 fc	41.0 fc	* 70.0 fc	33.0 fc
		Avg/Min Ratio:	1.40	1.36	1.39	1.38	1.36	1.35	1.35	1.36	1.36
Lighting Power Density WPSF		.533	1.033	.500	1.083	2.017	.983	1.617	3.050	1.450	

NOTES: * This application is not recommended
Partitions will reduce light levels up to 25%

CTA Revision 1.0



CONVERJ 1 X 4



T5/T5HO, T8 ARCHITECTURAL RECESSED LUMINAIRE

50' x 50'

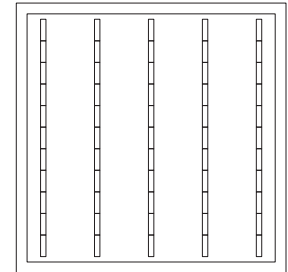
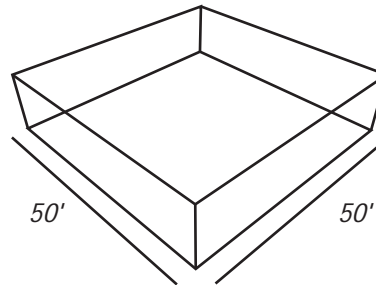
10' OC Spacing

ROOM PARAMETERS

Reflectances: ceiling - 80%
walls - 50%
floor - 20%

Light Loss Factor: T5/T5HO 0.81
T8 0.71

Ballast Factor, Lamp Lumen Depreciation & Luminaire Dirt Depreciation

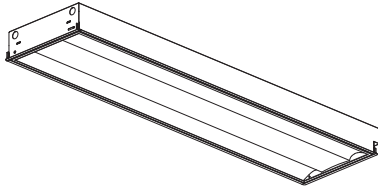


Open Space
Calculation area: 46' x 46'

Workplane (2'-6") Illuminance Calculation

		1T5 28w	1T5HO 54w	1T8 32w	2T5 28w	2T5HO 54w	2T8 32w	3T5 28w	3T5HO 54w	3T8 32w	
Ceiling Height	8'	Average:	49.7 fc	85.5 fc	42.3 fc	97.0 fc	167.2 fc	81.2 fc	139.1 fc	239.3 fc	111.1 fc
		Maximum:	69.0 fc	118.0 fc	59.0 fc	135.0 fc	232.0 fc	114.0 fc	194.0 fc	333.0 fc	158.0 fc
		Minimum:	24.0 fc	* 41.0 fc	20.0 fc	* 46.0 fc	* 80.0 fc	* 38.0 fc	* 66.0 fc	* 113.0 fc	* 52.0 fc
		Avg/Min Ratio:	2.07	2.08	2.11	2.11	2.09	2.14	2.11	2.10	2.14
	9'	Average:	48.2 fc	82.9 fc	41.1 fc	94.3 fc	162.2 fc	79.1 fc	135.3 fc	232.2 fc	108.3 fc
		Maximum:	61.2 fc	* 106.0 fc	52.0 fc	* 120.0 fc	* 206.0 fc	* 101.0 fc	* 173.0 fc	* 297.0 fc	* 140.0 fc
		Minimum:	26.5 fc	* 46.0 fc	23.0 fc	* 51.4 fc	* 89.0 fc	* 43.0 fc	* 73.5 fc	* 126.0 fc	* 58.0 fc
		Avg/Min Ratio:	1.82	1.80	1.79	1.84	1.82	1.84	1.84	1.84	1.87
	10'	Average:	46.9 fc	80.6 fc	39.9 fc	91.7 fc	157.7 fc	76.9 fc	131.5 fc	225.7 fc	105.3 fc
		Maximum:	57.0 fc	* 98.0 fc	49.0 fc	* 112.0 fc	* 193.0 fc	* 94.0 fc	* 161.0 fc	* 277.0 fc	* 130.0 fc
		Minimum:	26.3 fc	* 45.0 fc	22.0 fc	* 51.9 fc	* 89.0 fc	* 44.0 fc	* 74.2 fc	* 128.0 fc	* 60.0 fc
		Avg/Min Ratio:	1.78	1.79	1.82	1.77	1.77	1.75	1.77	1.76	1.75
Lighting Power Density WPSF		.704	1.364	.660	1.430	2.662	1.298	2.134	4.026	1.914	

NOTES: * This application is not recommended
Partitions will reduce light levels up to 25%



CONVERJ 1 X 4



T5/T5HO, T8 ARCHITECTURAL RECESSED LUMINAIRE

50' x 50'

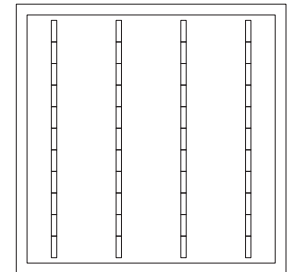
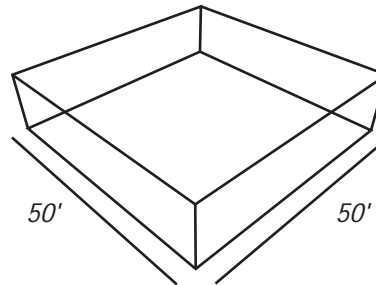
12' OC Spacing

ROOM PARAMETERS

Reflectances: ceiling - 80%
walls - 50%
floor - 20%

Light Loss Factor: T5/T5HO 0.81
T8 0.71

Ballast Factor, Lamp Lumen Depreciation & Luminaire Dirt Depreciation

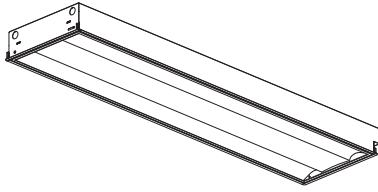


Open Space
Calculation area: 46' x 46'

Workplane (2'-6") Illuminance Calculation

		1T5 28w	1T5HO 54w	1T8 32w	2T5 28w	2T5HO 54w	2T8 32w	3T5 28w	3T5HO 54w	3T8 32w	
Ceiling Height	8'	Average:	41.1 fc	70.7 fc	35.0 fc	80.3 fc	138.2 fc	67.1 fc	115.1 fc	197.9 fc	91.8 fc
		Maximum:	65.0 fc	* 111.0 fc	55.0 fc	128.0 fc	* 220.0 fc	* 108.0 fc	* 184.0 fc	* 316.0 fc	* 150.0 fc
		Minimum:	16.0 fc	* 27.0 fc	13.0 fc	* 30.0 fc	* 53.0 fc	* 25.0 fc	* 43.0 fc	* 75.0 fc	* 34.0 fc
		Avg/Min Ratio:	2.57	2.62	2.69	2.68	2.61	2.69	2.68	2.64	2.70
	9'	Average:	39.9 fc	68.6 fc	34.0 fc	78.1 fc	134.2 fc	65.4 fc	112.0 fc	192.1 fc	89.6 fc
		Maximum:	56.3 fc	* 97.0 fc	48.0 fc	* 111.0 fc	* 190.0 fc	* 94.0 fc	* 159.0 fc	* 274.0 fc	* 130.0 fc
		Minimum:	17.3 fc	* 30.0 fc	15.0 fc	* 33.4 fc	* 58.0 fc	* 28.0 fc	* 47.8 fc	* 82.0 fc	* 38.0 fc
		Avg/Min Ratio:	2.31	2.29	2.27	2.34	2.31	2.34	2.34	2.34	2.36
	10'	Average:	38.7 fc	66.7 fc	33.1 fc	75.9 fc	130.3 fc	63.6 fc	108.8 fc	186.6 fc	87.1 fc
		Maximum:	51.0 fc	* 88.0 fc	44.0 fc	* 101.0 fc	* 173.0 fc	* 85.0 fc	* 145.0 fc	* 249.0 fc	* 118.0 fc
		Minimum:	17.9 fc	* 31.0 fc	15.0 fc	* 34.7 fc	* 60.0 fc	* 29.0 fc	* 49.7 fc	* 85.0 fc	* 39.0 fc
		Avg/Min Ratio:	2.17	2.15	2.21	2.19	2.17	2.19	2.19	2.19	2.23
Lighting Power Density WPSF		.563	1.091	.528	1.144	2.130	1.083	1.707	3.221	1.531	

NOTES: * This application is not recommended
Partitions will reduce light levels up to 25%



CONVERJ 1 X 4



T5/T5HO, T8 ARCHITECTURAL RECESSED LUMINAIRE

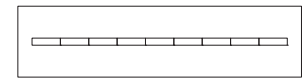
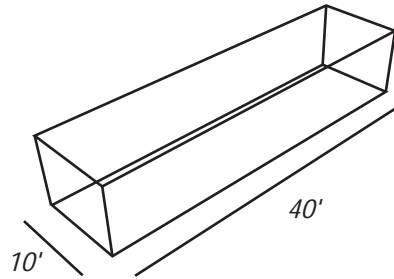
10' x 40' Linear Fixture Run

ROOM PARAMETERS

Reflectances: ceiling - 80%
walls - 50%
floor - 20%

Light Loss Factor: T5/T5HO 0.81
T8 0.71

Ballast Factor, Lamp Lumen Depreciation & Luminaire Dirt Depreciation



Open Space
Calculation area: 10' x 40'

Workplane (2'-6") Illuminance Calculation

		1T5 28w	1T5HO 54w	1T8 32w	2T5 28w	2T5HO 54w	2T8 32w	3T5 28w	3T5HO 54w	3T8 32w	
Ceiling Height	8'	Average:	39.6 fc	68.1 fc	33.8 fc	77.7 fc	133.6 fc	65.1 fc	111.7 fc	191.3 fc	89.5 fc
		Maximum:	61.0 fc	* 104.0 fc	52.0 fc	120.0 fc	* 205.0 fc	* 101.0 fc	* 173.0 fc	* 296.0 fc	* 141.0 fc
		Minimum:	15.0 fc	* 26.0 fc	13.0 fc	* 23.0 fc	* 51.0 fc	* 24.0 fc	* 42.0 fc	* 72.0 fc	* 32.0 fc
		Avg/Min Ratio:	2.64	2.62	2.60	2.68	2.62	2.71	2.66	2.66	2.80
	9'	Average:	36.8 fc	63.3 fc	31.4 fc	72.3 fc	124.9 fc	60.8 fc	104.2 fc	178.8 fc	83.7 fc
		Maximum:	52.0 fc	* 90.0 fc	45.0 fc	* 103.0 fc	* 178.0 fc	* 87.0 fc	* 149.0 fc	* 256.0 fc	* 122.0 fc
		Minimum:	16.0 fc	* 28.0 fc	14.0 fc	* 31.0 fc	* 54.0 fc	* 26.0 fc	* 45.0 fc	* 78.0 fc	* 34.0 fc
		Avg/Min Ratio:	2.30	2.26	2.24	2.33	2.31	2.34	2.32	2.29	2.46
	10'	Average:	34.2 fc	59.0 fc	29.1 fc	67.5 fc	116.1 fc	56.7 fc	97.1 fc	166.2 fc	78.1 fc
		Maximum:	46.0 fc	80.0 fc	39.0 fc	* 91.0 fc	* 157.0 fc	77.0 fc	* 131.0 fc	* 226.0 fc	* 108.0 fc
		Minimum:	17.0 fc	29.0 fc	14.0 fc	* 33.0 fc	* 57.0 fc	27.0 fc	* 47.0 fc	* 81.0 fc	* 36.0 fc
		Avg/Min Ratio:	2.01	2.03	2.08	2.04	2.04	2.10	2.07	2.05	2.17
Lighting Power Density WPSF		.720	1.395	.675	1.463	2.723	1.328	2.183	4.118	1.958	

NOTES: * This application is not recommended
Partitions will reduce light levels up to 25%

CTA Revision 1.0