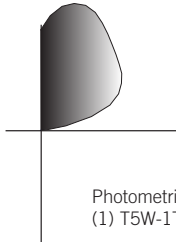


TOOL T5 ASYMMETRIC WALL



Photometric Drawing for
(1) T5W-1T528

TYPE _____ PROJECT _____



CATALOG NUMBER

FIXTURE		LAMPING (SEE CROSS SECTION)	VOLTAGE	OPTIONS
T5W	Tool T5 (asymmetric wall)	1T528 1x28w T5	120 120 v	FUS Fusing
		1T521 1x21w T5	277 277 v	
		1T514 1x14w T5		

* DETAILS – OPTIONS

FUS GLR fuse for each ballast

SPECIFICATIONS

Construction. Fixture body constructed of extruded aluminum. Housing endcaps are formed aluminum and lampholder endcaps are milled aluminum.

Shielding. Natural aluminum reflector with asymmetric direct/indirect distribution.

Finish. Natural anodized aluminum.

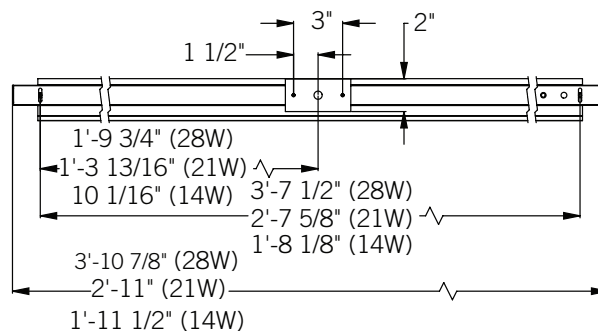
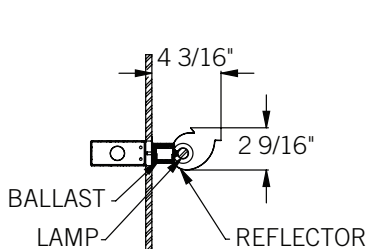
Electrical. Specify 120 or 277 volts. Fixture is UL/CUL Listed for damp locations. Supplied with integral electronic ballast.

Lamping. (1) 28 watt T5 or (1) 21 watt T5 or (1) 14 watt T5 fluorescent lamp. Lamp not included.

Mounting. Fixture surface mounts over Energie junction box (included) on the wall. See page 2 for additional mounting options and accessories.
ADA COMPLIANT.

DIMENSIONS & DETAILS

WALL MOUNT



Installation instructions may be found at www.energielighting.com.



Energie LLC, 4885 Ward Road, Suite 300, Wheat Ridge CO 80033 Tel 720.963.8055 Fax 720.963.8044 www.energielighting.com
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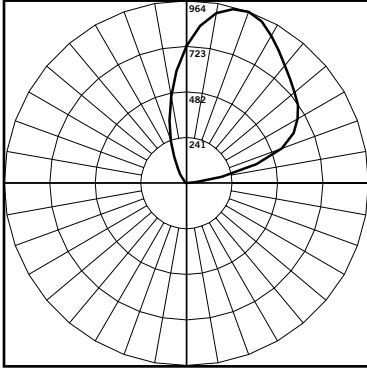


TOOL T5 ASYMMETRIC WALL

TYPE _____
PROJECT _____

PHOTOMETRICS

T5W-1T528



CANDELA DISTRIBUTION

	0	45	90
0	0.1	0.1	0.1
5	0.1	0.1	0.1
15	0.1	0.2	0.2
25	0.1	0.3	0.4
35	0.1	0.5	0.7
45	0.1	0.8	1.0
55	0.1	1.5	1.4
65	0.1	2.9	1.6
75	0.1	4.9	1.9
85	0.1	7.7	1.0
95	51.7	66.2	12.9
105	383.6	340.0	79.6
115	624.8	460.8	168.3
125	719.4	551.8	273.4
135	776.0	663.2	386.4
145	853.9	787.1	497.1
155	941.1	872.4	593.4
165	952.2	884.4	671.1
175	833.5	800.8	718.8

LUMINAIRE

Description: Tool T5 1x28w with Asymmetric Wall Reflector

Catalog Number: T5W-1T528-120

Efficiency: 69.2%

Distribution: 99.6% direct, 0.4% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	2	19	40
55	2	37	68
65	2	78	103
75	2	148	193
85	3	275	252

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	.17	0	0
0 - 40	.4	0	0
0 - 60	1.43	.1	.1
0 - 90	7.65	.3	.4
90-120	429.01	16.5	23.9
90 - 130	697.8	26.8	38.8
90 - 150	1277.8	49.1	71
90 - 180	1790.93	68.9	99.6
0 - 180	1798.58	69.2	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	.01
10-20	.05
20-30	.12
30-40	.22
40-50	.39
50-60	.65
60-70	1.09
70-80	1.81
80-90	3.32
90-100	42.6
100-110	155.73
110-120	230.69
120-130	268.79
130-140	289.25
140-150	290.75
150-160	260.36
160-170	185.1
170-180	67.67

COEFFICIENTS OF UTILIZATION

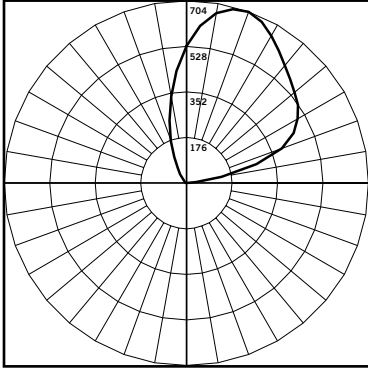
RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	66	66	66	66	56	56	56	56	39	39	39	22	22	22	7	7	7	0
1	60	57	55	52	51	49	47	45	34	32	31	19	19	18	6	6	6	0
2	54	50	46	43	46	43	40	37	29	27	26	17	16	15	6	5	5	0
3	50	44	39	35	42	37	34	31	26	23	22	15	14	13	5	5	4	0
4	45	38	33	30	38	33	29	26	23	20	18	13	12	11	4	4	4	0
5	41	34	29	25	35	29	25	22	20	17	15	12	10	9	4	3	3	0
6	38	30	25	21	32	26	22	19	18	15	13	10	9	8	3	3	3	0
7	35	27	22	19	30	23	19	16	16	13	11	9	8	7	3	3	2	0
8	32	24	19	16	27	21	17	14	15	12	10	8	7	6	3	2	2	0
9	30	22	17	14	25	19	15	12	13	11	9	8	6	5	3	2	2	0
10	28	20	15	12	24	17	13	11	12	9	8	7	6	5	2	2	2	0

TOOL T5 ASYMMETRIC WALL

TYPE _____
PROJECT _____

PHOTOMETRICS

T5W-1T521



CANDELA DISTRIBUTION

	0	45	90
0	0.1	0.1	0.1
5	0.1	0.1	0.1
15	0.1	0.2	0.2
25	0.1	0.2	0.3
35	0.1	0.3	0.5
45	0.1	0.6	0.8
55	0.1	1.1	1.0
65	0.1	2.1	1.1
75	0.1	3.6	1.4
85	0.1	5.7	0.7
95	37.8	48.4	9.4
105	280.3	248.4	58.1
115	456.6	336.7	123.0
125	525.7	403.2	199.8
135	567.1	484.6	282.4
145	624.0	575.2	363.3
155	687.7	637.5	433.6
165	695.8	646.3	490.4
175	609.1	585.2	525.3

LUMINAIRE

Description: Tool T5 1x21w with Asymmetric Wall Reflector

Catalog Number: T5W-1T521-120

Efficiency: 69.2%

Distribution: 99.6% direct, 0.4% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	3	19	43
55	3	37	66
65	3	77	95
75	3	148	188
85	4	276	222

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	.13	0	0
0 - 40	.3	0	0
0 - 60	1.06	.1	.1
0 - 90	5.61	.3	.4
90-120	313.51	16.5	23.9
90 - 130	509.92	26.8	38.8
90 - 150	933.77	49.1	71
90 - 180	1308.75	68.9	99.6
0 - 180	1314.36	69.2	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	.01
10-20	.04
20-30	.09
30-40	.16
40-50	.29
50-60	.47
60-70	.79
70-80	1.32
80-90	2.44
90-100	31.14
100-110	113.8
110-120	168.57
120-130	196.42
130-140	211.37
140-150	212.47
150-160	190.26
160-170	135.27
170-180	49.45

COEFFICIENTS OF UTILIZATION

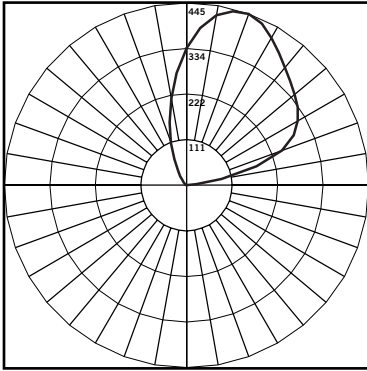
RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	66	66	66	66	56	56	56	56	39	39	39	22	22	22	7	7	7	0
1	60	57	55	52	51	49	47	45	34	32	31	19	19	18	6	6	6	0
2	54	50	46	43	46	43	40	37	29	27	26	17	16	15	6	5	5	0
3	50	44	39	35	42	37	34	31	26	23	22	15	14	13	5	5	4	0
4	45	38	33	30	38	33	29	26	23	20	18	13	12	11	4	4	4	0
5	41	34	29	25	35	29	25	22	20	17	15	12	10	9	4	3	3	0
6	38	30	25	21	32	26	22	19	18	15	13	10	9	8	3	3	3	0
7	35	27	22	19	30	23	19	16	16	13	11	9	8	7	3	3	2	0
8	32	24	19	16	27	21	17	14	15	12	10	8	7	6	3	2	2	0
9	30	22	17	14	25	19	15	12	13	11	9	8	6	5	3	2	2	0
10	28	20	15	12	24	17	13	11	12	9	8	7	6	5	2	2	2	0

TOOL T5 ASYMMETRIC WALL

TYPE _____
PROJECT _____

PHOTOMETRICS

T5W-1T514



CANDELA DISTRIBUTION

	0	45	90
0	0.0	0.0	0.0
5	0.0	0.1	0.1
15	0.0	0.1	0.2
25	0.0	0.1	0.2
35	0.1	0.2	0.3
45	0.1	0.4	0.5
55	0.1	0.7	0.6
65	0.1	1.3	0.7
75	0.0	2.2	0.9
85	0.0	3.6	0.5
95	23.9	30.5	6.0
105	177.0	156.9	36.7
115	288.4	212.7	77.7
125	332.0	254.7	126.2
135	358.2	306.1	178.4
145	394.1	363.3	229.4
155	434.4	402.6	273.9
165	439.5	408.2	309.7
175	384.7	369.6	331.7

LUMINAIRE

Description: Tool T5 1x14w with Asymmetric Wall Reflector

Catalog Number: T5W-1T514-120

Efficiency: 69.2%

Distribution: 99.6% direct, 0.4% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	1	6	13
55	1	11	18
65	1	22	26
75	0	42	46
85	0	80	44

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	.08	0	0
0 - 40	.18	0	0
0 - 60	.67	.1	.1
0 - 90	3.53	.3	.4
90-120	198.01	16.5	23.9
90 - 130	322.07	26.8	38.8
90 - 150	589.76	49.1	71
90 - 180	826.59	68.9	99.6
0 - 180	830.13	69.2	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	.01
10-20	.02
20-30	.05
30-40	.1
40-50	.18
50-60	.3
60-70	.5
70-80	.82
80-90	1.54
90-100	19.66
100-110	71.87
110-120	106.47
120-130	124.06
130-140	133.5
140-150	134.19
150-160	120.17
160-170	85.43
170-180	31.23

COEFFICIENTS OF UTILIZATION

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	66	66	66	66	56	56	56	56	39	39	39	22	22	22	7	7	7	0
1	60	57	55	52	51	49	47	45	34	32	31	19	19	18	6	6	6	0
2	54	50	46	43	46	43	40	37	29	27	26	17	16	15	6	5	5	0
3	50	44	39	35	42	37	34	31	26	23	22	15	14	13	5	5	4	0
4	45	38	33	30	38	33	29	26	23	20	18	13	12	11	4	4	4	0
5	41	34	29	25	35	29	25	22	20	17	15	12	10	9	4	3	3	0
6	38	30	25	21	32	26	22	19	18	15	13	10	9	8	3	3	3	0
7	35	27	22	19	30	23	19	16	16	13	11	9	8	7	3	3	2	0
8	32	24	19	16	27	21	17	14	15	12	10	8	7	6	3	2	2	0
9	30	22	17	14	25	19	15	12	13	11	9	8	6	5	3	2	2	0
10	28	20	15	12	24	17	13	11	12	9	8	7	6	5	2	2	2	0