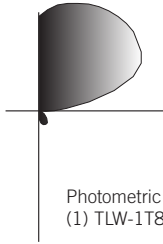
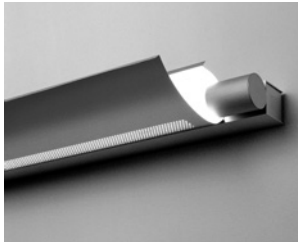


TOOL T8 ASYMMETRIC WALL



Photometric Drawing for
(1) TLW-1T832

TYPE _____ PROJECT _____



CATALOG NUMBER

FIXTURE		LAMPING (SEE CROSS SECTION)	VOLTAGE	OPTIONS
TLW	Tool T8 (asymmetric wall)	1T832 1x32w T5	120 120 v	DIM Electronic dimming
		1T817 1x17w T5	277 277 v	FUS Fusing

* DETAILS – OPTIONS

DIM Dimming ballast with 5 wire 0-10VDC control scheme

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.

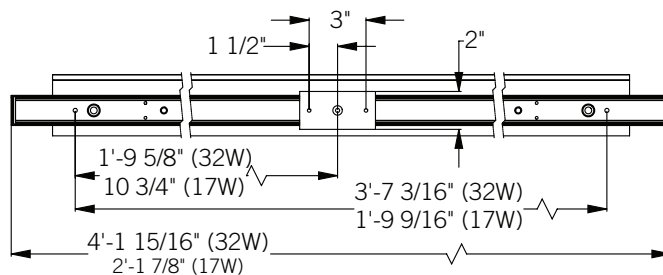
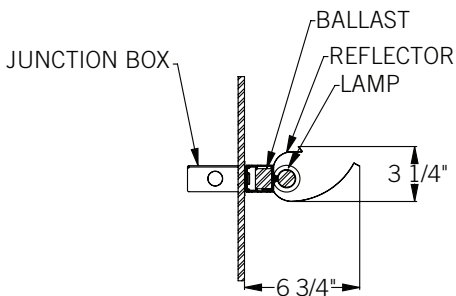
Finish. Natural anodized aluminum.

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

Lamping. (1) 32 watt T8 or (1) 17 watt T8 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



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
In an effort to continually improve our products, we reserve the right to change or modify designs and/or materials without prior notice.
All rights reserved. These products may be covered by one or more U.S. or international patents or patents pending. 07/10

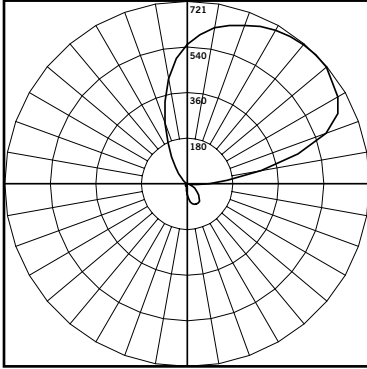


TOOL T8 ASYMMETRIC WALL

TYPE _____
PROJECT _____

PHOTOMETRICS

TLW-1T832



CANDELA DISTRIBUTION

	0	45	90
0	42.7	42.7	42.7
5	58.7	54.0	42.4
15	81.8	72.0	40.5
25	87.3	78.5	37.0
35	84.3	77.2	32.2
45	63.2	71.0	26.2
55	43.9	50.7	19.4
65	22.6	33.8	13.3
75	6.9	16.0	7.9
85	36.3	28.6	0.0
95	160.7	160.9	15.5
105	453.8	380.9	64.6
115	656.6	495.7	129.3
125	700.3	545.6	206.7
135	720.6	578.3	296.7
145	710.0	598.6	385.7
155	684.8	610.1	459.0
165	646.2	609.2	516.5
175	590.6	577.5	546.7

LUMINAIRE

Description: Tool T8 1x32w with Asymmetric Wall Reflector

Catalog Number: TLW-1T832-120

Efficiency: 56.1%

Distribution: 9% direct, 91% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	288	343	159
55	220	273	142
65	130	213	127
75	48	127	115
85	336	315	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	36.11	1.1	2
0 - 40	62.01	1.9	3.5
0 - 60	113.6	3.5	6.3
0 - 90	161.74	5.1	9
90 - 120	494.8	15.5	27.5
90 - 130	747.25	23.4	41.6
90 - 150	1238.47	38.7	68.9
90 - 180	1634.8	51.1	91
0 - 180	1796.54	56.1	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	4.06
10-20	12.13
20-30	19.93
30-40	25.9
40-50	27.3
50-60	24.28
60-70	17.96
70-80	11
80-90	19.19
90-100	79
100-110	179.66
110-120	236.14
120-130	252.45
130-140	253.09
140-150	238.12
150-160	203.22
160-170	141.59
170-180	51.51

COEFFICIENTS OF UTILIZATION

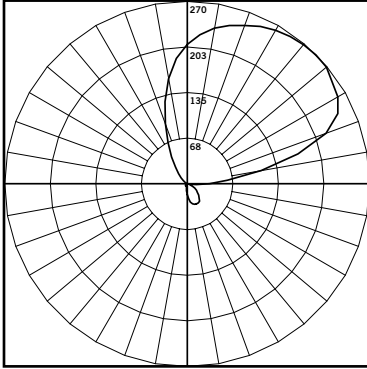
RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	55	55	55	55	47	47	47	47	34	34	34	22	22	22	10	10	10	5
1	50	47	45	43	43	41	39	38	29	28	27	19	18	17	9	9	8	4
2	45	41	38	35	39	36	33	31	26	24	22	16	15	14	8	7	7	3
3	41	36	32	29	35	31	28	26	22	20	19	14	13	12	7	6	6	3
4	37	32	28	24	32	28	24	21	20	18	16	13	11	10	6	5	5	2
5	34	28	24	21	30	25	21	18	18	15	13	11	10	9	5	5	4	2
6	31	25	21	18	27	22	18	16	16	13	12	10	9	8	5	4	4	2
7	29	22	18	15	25	20	16	14	14	12	10	9	8	7	4	4	3	1
8	27	20	16	13	23	18	14	12	13	10	9	8	7	6	4	3	3	1
9	25	18	14	12	21	16	13	10	12	9	8	8	6	5	4	3	3	1
10	23	17	13	10	20	15	11	9	11	8	7	7	6	5	3	3	2	1

TOOL T8 ASYMMETRIC WALL

TYPE _____
PROJECT _____

PHOTOMETRICS

TLW-1T817



CANDELA DISTRIBUTION

	0	45	90
0	16.0	16.0	16.0
5	22.0	20.3	15.9
15	30.7	27.0	15.2
25	32.8	29.4	13.9
35	31.6	28.9	12.1
45	23.7	26.6	9.8
55	16.5	19.0	7.3
65	8.5	12.7	5.0
75	2.6	6.0	3.0
85	13.6	10.7	0.0
95	60.3	60.4	5.8
105	170.2	142.8	24.2
115	246.2	185.9	48.5
125	262.6	204.6	77.5
135	270.2	216.9	111.3
145	266.2	224.5	144.6
155	256.8	228.8	172.1
165	242.3	228.4	193.7
175	221.5	216.6	205.0

LUMINAIRE

Description: Tool T8 1x17w with Asymmetric Wall Reflector

Catalog Number: TLW-1T817-120

Efficiency: 56.1%

Distribution: 9% direct, 91% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	519	583	215
55	445	513	197
65	311	465	193
75	156	359	180
85	2417	1901	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	13.51	1.1	2
0 - 40	23.25	1.9	3.5
0 - 60	42.6	3.5	6.3
0 - 90	60.66	5.1	9
90 - 120	185.55	15.5	27.5
90 - 130	280.23	23.4	41.6
90 - 150	464.44	38.7	68.9
90 - 180	613.06	51.1	91
0 - 180	673.71	56.1	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	1.52
10-20	4.55
20-30	7.47
30-40	9.71
40-50	10.24
50-60	9.11
60-70	6.74
70-80	4.13
80-90	7.2
90-100	29.63
100-110	67.37
110-120	88.55
120-130	94.67
130-140	94.91
140-150	89.3
150-160	76.21
160-170	53.1
170-180	19.32

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	55	55	55	55	47	47	47	47	34	34	34	22	22	22	10	10	10	5
1	50	47	45	43	43	41	39	38	29	28	27	19	18	17	9	9	8	4
2	45	41	38	35	39	36	33	31	26	24	22	16	15	14	8	7	7	3
3	41	36	32	29	35	31	28	26	22	20	19	14	13	12	7	6	6	3
4	37	32	28	24	32	28	24	21	20	18	16	13	11	10	6	5	5	2
5	34	28	24	21	30	25	21	18	18	15	13	11	10	9	5	5	4	2
6	31	25	21	18	27	22	18	16	16	13	12	10	9	8	5	4	4	2
7	29	22	18	15	25	20	16	14	14	12	10	9	8	7	4	4	3	1
8	27	20	16	13	23	18	14	12	13	10	9	8	7	6	4	3	3	1
9	25	18	14	12	21	16	13	10	12	9	8	8	6	5	4	3	3	1
10	23	17	13	10	20	15	11	9	11	8	7	7	6	5	3	3	2	1