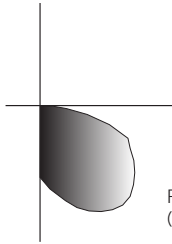
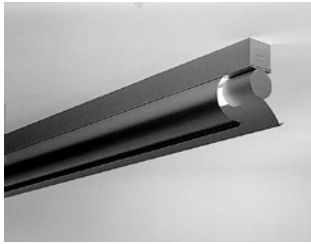


TOOL T8 ASYMMETRIC



Photometric Drawing for
(1) TLA-1T832

TYPE _____ PROJECT _____



CATALOG NUMBER

FIXTURE		LAMPING (SEE CROSS SECTION)	VOLTAGE	MOUNT	OPTIONS
TLA	Tool T8 (asymmetric)	1T832 1x32w T8	120 120 v	PEN Pendant mount CLG Ceiling mount	ECO Line voltage dimming FUS Fusing
		1T817 1x17w T8	277 277 v		

* DETAILS – OPTIONS

ECO Dimming ballast with 4-wire line voltage 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 distribution.

Finish. Natural anodized aluminum.

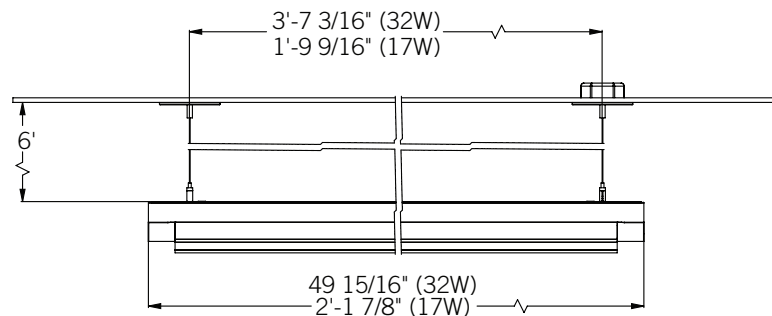
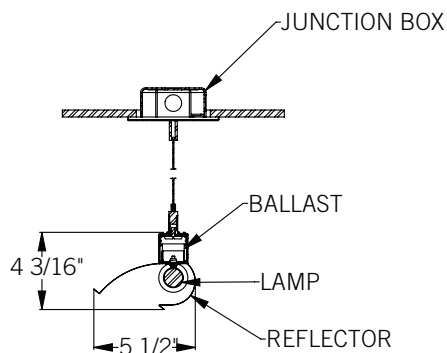
Electrical. Specify 120 or 277 volts. Fixture is UL/CUL Listed for damp locations. Supplied with integral electronic ballast.

Lamping. (1) 32 watt T8 or (1) 17 watt T8 fluorescent lamp. Lamp not included.

Mounting. Fixture surface mounts over standard octagonal junction box on the ceiling. Fixture can also be pendant mounted. See page 2 for additional mounting options and accessories.

DIMENSIONS & DETAILS (cont'd on page 2)

PENDANT MOUNT



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



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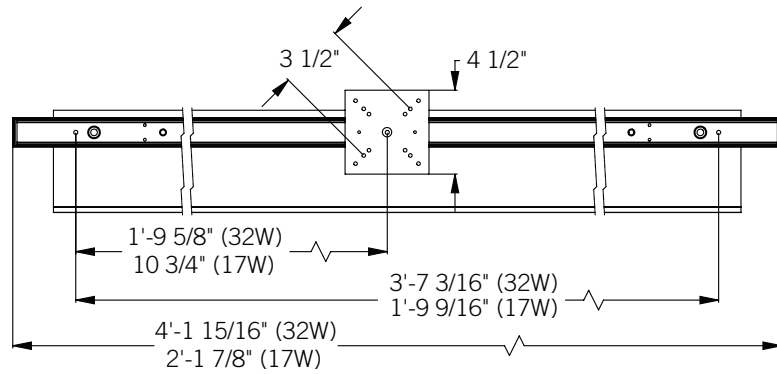
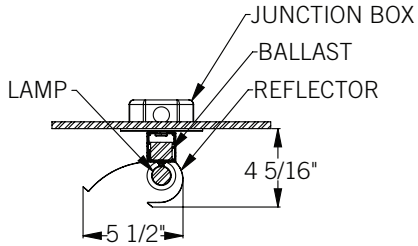


TOOL T8 ASYMMETRIC

TYPE _____
PROJECT _____

DIMENSIONS & DETAILS cont'd

CEILING MOUNT



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



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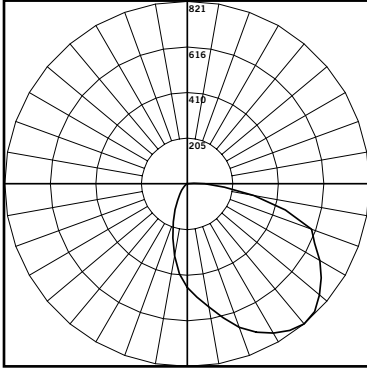


TOOL T8 ASYMMETRIC

TYPE _____
PROJECT _____

PHOTOMETRICS

TLA-1T832



CANDELA DISTRIBUTION

	0	45	90
0	467.1	467.1	467.1
5	510.9	497.7	465.5
15	623.5	553.4	438.4
25	736.6	615.2	387.9
35	804.8	649.7	322.2
45	811.6	653.5	248.4
55	736.1	612.2	175.0
65	634.1	506.7	110.0
75	457.0	398.2	58.6
85	168.2	141.6	14.4
95	30.0	25.7	3.0
105	0.0	10.2	0.8
115	0.0	7.2	0.5
125	0.0	4.9	0.4
135	0.0	3.3	0.3
145	0.0	1.9	0.3
155	0.0	0.8	0.3
165	0.0	0.4	0.3
175	0.5	0.5	0.5

LUMINAIRE

Description: Tool T8 1x32w with Asymmetric Reflector

Catalog Number: TLA-1T832-120-PEN

Efficiency: 51.3%

Distribution: 98.2% direct, 1.8% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	3700	3304	1895
55	3469	3269	1592
65	3192	2963	1287
75	2553	2662	1004
85	1093	1146	487

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	352.66	11.0	21.5
0 - 40	586.92	18.3	35.8
0 - 60	1112.75	34.8	67.8
0 - 90	1612.67	50.4	98.2
90 - 120	24.71	.8	1.5
90 - 130	26.75	.8	1.6
90 - 150	28.5	.9	1.7
90 - 180	28.94	.9	1.8
0 - 180	1641.6	51.3	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	43.61
10-20	122.53
20-30	18652
30-40	234.26
40-50	262.48
50-60	265.35
60-70	239.51
70-80	182.3
80-90	78.12
90-100	16.77
100-110	4.77
110-120	3.17
120-130	2.04
130-140	1.17
140-150	.58
150-160	.27
160-170	.12
170-180	.05

COEFFICIENTS OF UTILIZATION

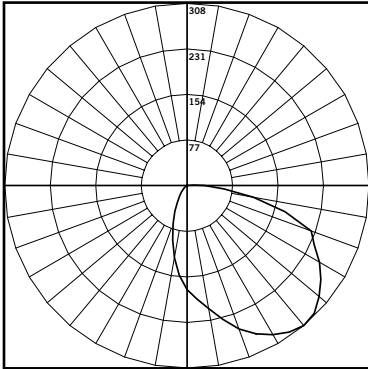
RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	61	61	61	61	59	59	59	59	56	56	56	54	54	54	52	52	52	50
1	54	51	49	46	53	50	48	46	48	46	44	46	44	42	44	42	41	40
2	49	44	40	37	47	43	39	36	41	38	35	39	36	34	37	35	33	32
3	44	38	33	30	43	37	33	29	35	32	29	34	31	28	32	30	27	26
4	40	33	28	25	39	33	28	24	31	27	24	30	26	24	29	26	23	22
5	37	30	25	21	36	29	24	21	28	24	20	27	23	20	26	22	20	19
6	34	27	22	18	33	26	21	18	25	21	18	24	20	17	23	20	17	16
7	31	24	19	16	30	23	19	16	23	19	16	22	18	15	21	18	15	14
8	29	22	17	14	28	21	17	14	21	17	14	20	16	14	19	16	13	12
9	27	20	16	13	26	20	15	12	19	15	12	18	15	12	18	14	12	11
10	25	18	14	11	25	18	14	11	17	14	11	17	13	11	16	13	11	10

TOOL T8 ASYMMETRIC

TYPE _____
PROJECT _____

PHOTOMETRICS

TLA-1T817



CANDELA DISTRIBUTION

	0	45	90
0	175.2	175.2	175.2
5	191.6	186.6	174.6
15	233.8	207.5	164.4
25	276.2	230.7	145.5
35	301.8	243.6	120.8
45	304.4	245.1	93.2
55	276.0	229.6	65.6
65	237.8	190.0	41.3
75	171.4	149.3	22.0
85	63.1	53.1	5.4
95	11.2	9.6	1.1
105	0.0	3.8	0.3
115	0.0	2.7	0.2
125	0.0	1.8	0.1
135	0.0	1.2	0.1
145	0.0	0.7	0.1
155	0.0	0.3	0.1
165	0.0	0.1	0.1
175	0.2	0.2	0.2

LUMINAIRE

Description: Tool T8 1x17w with Asymmetric Reflector

Catalog Number: TLA-1T817-120-CLG

Efficiency: 51.3%

Distribution: 98.2% direct, 1.8% indirect

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	45-DEG	90-DEG
45	6667	5368	2041
55	7452	6199	1771
65	8714	6962	1513
75	10256	8933	1316
85	11212	9435	960

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	132.25	11.0	21.5
0 - 40	220.09	18.3	35.8
0 - 60	417.28	34.8	67.8
0 - 90	604.76	50.4	98.2
90 - 120	9.25	.8	1.5
90 - 130	10.2	.8	1.6
90 - 150	10.67	.9	1.7
90 - 180	10.83	.9	1.8
0 - 180	615.58	51.3	100

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	16.36
10-20	45.94
20-30	69.95
30-40	87.84
40-50	98.43
50-60	98.76
60-70	89.82
70-80	68.37
80-90	29.29
90-100	6.29
100-110	1.78
110-120	1.18
120-130	.76
130-140	.44
140-150	.21
150-160	.1
160-170	.04
170-180	.02

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	61	61	61	61	59	59	59	59	56	56	56	54	54	54	52	52	52	50
1	54	51	49	46	53	50	48	46	48	46	44	46	44	42	44	42	41	40
2	49	44	40	37	47	43	39	36	41	38	35	39	36	34	37	35	33	32
3	44	38	33	30	43	37	33	29	35	32	29	34	31	28	32	30	27	26
4	40	33	28	25	39	33	28	24	31	27	24	30	26	24	29	26	23	22
5	37	30	25	21	36	29	24	21	28	24	20	27	23	20	26	22	20	19
6	34	27	22	18	33	26	21	18	25	21	18	24	20	17	23	20	17	16
7	31	24	19	16	30	23	19	16	23	19	16	22	18	15	21	18	15	14
8	29	22	17	14	28	21	17	14	21	17	14	20	16	14	19	16	13	12
9	27	20	16	13	26	20	15	12	19	15	12	18	15	12	18	14	12	11
10	25	18	14	11	25	18	14	11	17	14	11	17	13	11	16	13	11	10