



Linear suspended

Energos

T8 with louver



Project:	
Location:	
Cat.No:	
Type:	
Lamps:	Qty:
Notes:	

Energos is designed from the inside out to be a highly efficient bidirectional system in choices of either a semi-specular parabolic louver or duplex lens system.

Ordering guide

Example: EG16T02PN041DEW

Family	Style	Distribution	Lamp type	Lamp qty	Lower optic	Top reflector	Length (ft.)	Wiring	Voltage	Ballast	Color
EG	1	6	T		P					E	
EG Energos	1 Standard	6 Direct / Indirect	T T8	01 One lamp 02 Two lamps 03 Three lamps	P Parabolic louver	N None G 80% down kit	04 Four ft. 08 Eight ft. XX Total run length (4' increments)	1 1 cct. 2 2 cct. 3 1 cct. w/ emergency cct. 4 2 cct. w/ emergency cct. 5 1 cct. w/ battery pack 6 2 cct. w/ battery pack 7 1 cct. w/ dimming	1 120V 2 277V 3 347V D 120-277V ¹	E Standard electronic	W White A Aluminum X Custom color

¹ Not available with Battery pack.

Features

- Housing:** 18 gauge steel. 6" (15.24cm) cast aluminum end caps. No exposed fasteners or hardware.
- Lamping:** 1,2 or 3 T8 fluorescent lamp/s per 4' (121.92cm) section.
- Reflector:** Precision die-formed premium anti-iridescent, highly reflective aluminum.
- Louver:** Parabolic louver, low-iridescent semi-specular anodized aluminum, 25 degree shielding lengthwise. Blades are spaced 2.3" (5.84cm) O.C with a radius that matches the housing. 1" (2.54cm) tall louver attaches to housing.
- Optional Slotted Top Reflector:** Precision die-formed anti-iridescent, highly reflective aluminum.

Mountings

Consult separate mounting specification sheet for mount type options.

Finish

Powder coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Electrical

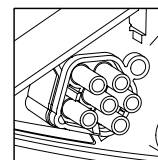
All static ballasts have the following features:

- Electronic
- High Power Factor
- Class A sound rating
- Metal can

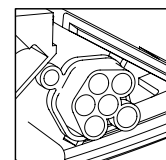
Emergency Battery Pack: Integral Emergency Battery Pack available, consult factory for options & availability

Electrical (continued)

Connections: Wiring is via 18 gauge wire. All electrical connections for standard configurations are plug-and-play via 6-wire cannon plug connections. Connections are seated in end castings of fixtures, allowing for simultaneous mechanical/ electrical coupling. Connectors are male/female therefore modules must be installed male to female, starting from the power feed end set.



Male



Female

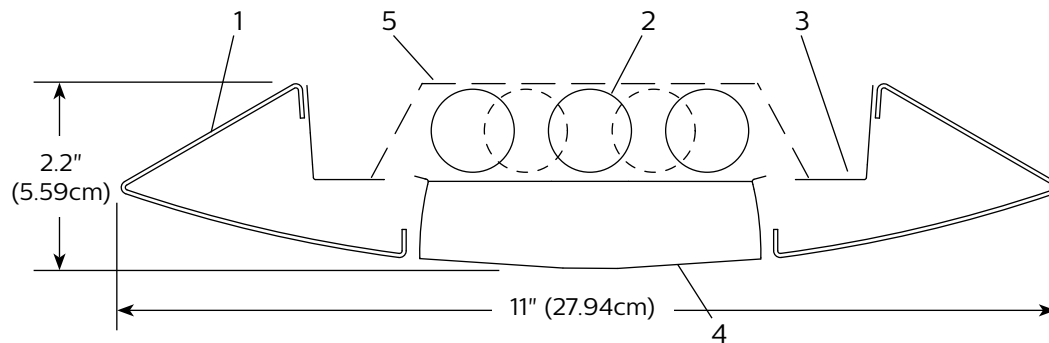
Labels Included

cETLus



EG16T Energos

T8 with louver



Fixture lengths & mounting locations

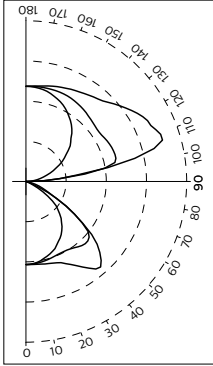
	4' (121.92cm) Run	8' (243.84cm) Run	12' (365.76cm) Run	16' (487.68cm) Run	20' (609.60cm) Run	24' (731.52cm) Run	4' (121.92cm) Module	8' (243.84cm) Module	Ends Set	Cable Joiner
4' (121.92cm) Run							1		1	
8' (243.84cm) Run								1	1	
12' (365.76cm) Run							1	1	1	1
16' (487.68cm) Run								2	1	1
20' (609.60cm) Run							1	2	1	2
24' (731.52cm) Run								3	1	2

EG16T Energos

T8 with louver

One lamp T8 with open top

Candlepower Curve



Report No.: 9903746
 Lamps: 1-F32T8
 Lumens: 2950
 Efficiency: 95.6%
 Cat. No.: EG16T01PN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	372	372	372
175	370	373	375
165	356	372	386
155	330	369	398
145	291	358	412
135	239	344	437
125	184	336	484
115	124	346	518
105	68	350	498
95	23	128	125
85	1	0	0
75	4	3	24
65	17	54	81
55	100	223	221
45	179	329	392
35	234	316	414
25	273	308	354
15	303	316	332
5	322	323	325
0	325	325	325

Coefficients of utilization

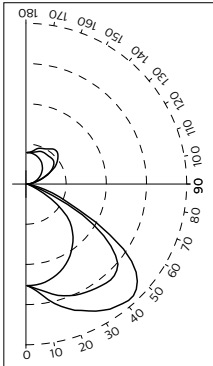
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	99	99	99	89	89	89	71	71
1	91	87	83	82	78	76	63	61	
2	83	76	71	74	69	64	56	52	
3	76	67	61	68	61	55	49	45	
4	69	59	52	62	54	48	44	39	
5	63	53	45	57	48	42	39	34	
6	58	47	40	52	43	36	35	30	
7	54	42	35	48	39	32	32	27	
8	50	38	31	45	35	29	29	24	
9	46	35	28	42	32	26	26	21	
10	43	32	25	39	29	23	24	19	

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	947	33.6	32.1
90-180	1873	66.4	33.5
0-180	2820	100.0	95.6

One lamp T8 with slotted top reflector

Candlepower Curve



Report No.: 9903747
 Lamps: 1-F32T8
 Lumens: 2950
 Efficiency: 66.4%
 Cat. No.: EG16T01PG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	123	123	123
175	123	124	125
165	118	130	143
155	109	138	152
145	97	136	168
135	82	137	164
125	63	121	134
115	44	86	79
105	26	38	32
95	12	11	6
85	1	1	2
75	4	7	43
65	23	107	169
55	137	352	442
45	237	477	581
35	296	485	584
25	345	474	547
15	378	451	495
5	395	411	420
0	397	397	397

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RCR	Zonal cavity method - Effective floor reflectance = 20%							
Room Cavity Ratio	0	75	75	71	71	71	64	64
1	69	66	64	66	63	61	57	56
2	63	59	55	60	56	52	51	48
3	58	52	47	55	49	45	45	41
4	53	46	40	50	44	39	40	36
5	49	41	35	46	39	34	36	31
6	45	36	31	42	35	30	32	28
7	41	33	27	39	31	26	29	25
8	38	30	24	36	28	23	26	22
9	35	27	22	34	26	21	24	20
10	33	25	20	31	24	19	22	18

Light Distribution

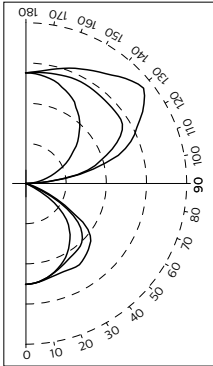
Degrees	Lumens	% Lamp	% Luminaire
0-90	1445	73.8	49.0
90-180	513	26.2	17.4
0-180	1958	100.0	66.4

EG16T Energos

T8 with louver

Two lamp T8 with open top

Candlepower Curve



Report No.: 9903749
 Lamps: 2-F32T8
 Lumens: 2950
 Efficiency: 93.7%
 Cat. No.: EG16T02PN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	793	793	793
175	789	799	804
165	763	811	851
155	707	822	905
145	626	816	961
135	523	807	1037
125	401	801	996
115	281	695	829
105	152	496	573
95	53	154	165
85	2	0	0
75	8	5	31
65	33	126	177
55	242	403	482
45	418	554	625
35	527	600	680
25	615	634	685
15	678	679	693
5	716	716	717
0	723	723	723

Coefficients of utilization

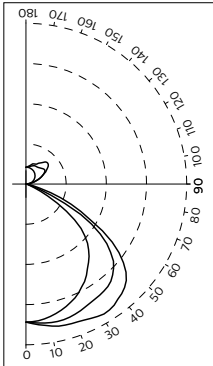
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	97	97	97	87	87	87	69	69
1	89	85	82	80	77	74	62	60	
2	81	75	69	73	68	63	54	51	
3	74	66	59	67	60	54	48	44	
4	68	58	51	61	53	47	43	39	
5	62	52	45	56	47	41	38	34	
6	57	46	39	51	42	36	34	30	
7	53	42	35	47	38	32	31	26	
8	49	38	31	44	34	28	28	24	
9	45	34	28	41	31	25	26	21	
10	42	31	25	38	29	23	24	19	

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	1835	33.2	31.1
90-180	3691	66.8	62.6
0-180	5526	100.0	93.7

Two lamp T8 with slotted top reflector

Candlepower Curve



Report No.: 9903761
 Lamps: 2-F32T8
 Lumens: 2950
 Efficiency: 58.4%
 Cat. No.: EG16T02PG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	120	120	120
175	120	123	125
165	117	132	143
155	110	144	157
145	101	145	186
135	88	157	212
125	72	160	173
115	55	114	115
105	37	56	61
95	21	11	11
85	1	1	3
75	9	14	60
65	63	190	344
55	341	625	726
45	600	854	978
35	739	937	1060
25	860	971	1062
15	937	1007	1047
5	984	1000	1012
0	990	990	990

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RCR	Zonal cavity method - Effective floor reflectance = 20%							
Room Cavity Ratio	0	67	67	64	64	64	59	59
1	57	53	49	55	51	48	47	45
2	52	47	43	50	45	41	42	39
3	48	42	37	46	40	36	37	34
4	44	37	32	42	36	31	34	30
5	41	33	29	39	32	28	30	26
6	38	30	25	36	29	25	27	24
7	35	27	23	33	27	22	25	21
8	32	25	21	31	24	20	23	19
9	30	23	19	29	22	18	21	17
10	26	22	18	26	21	18	24	20

Light Distribution

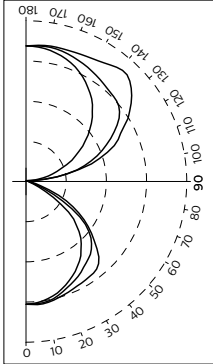
Degrees	Lumens	% Lamp	% Luminaire
0-90	2825	82.0	47.9
90-180	618	18.0	10.5
0-180	3444	100.0	58.4

EG16T Energos

T8 with louver

Three lamp T8 with open top

Candlepower Curve



Report No.: 9903759
 Lamps: 3-F32T8
 Lumens: 2950
 Efficiency: 90.8%
 Cat. No.: EG16T03PN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	1317	1317	1317
175	1311	1322	1328
165	1265	1310	1334
155	1176	1263	1341
145	1045	1208	1380
135	880	1163	1377
125	677	1066	1187
115	473	832	954
105	256	567	635
95	76	168	185
85	3	1	2
75	12	10	52
65	75	193	335
55	397	616	663
45	703	869	941
35	895	981	1102
25	1027	1075	1134
15	1136	1161	1182
5	1196	1205	1215
0	1206	1206	1206

Coefficients of utilization

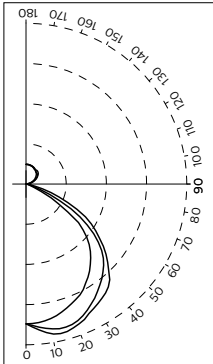
Ceiling	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall									
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	95	95	95	86	86	86	69	69
	1	87	83	80	79	76	73	62	60
	2	79	73	68	72	67	62	54	51
	3	73	65	58	66	59	54	48	45
	4	67	57	51	60	52	47	43	39
	5	61	51	44	55	47	41	38	34
	6	56	46	39	51	42	36	35	30
	7	52	41	34	47	38	32	31	27
	8	48	37	31	44	34	28	28	24
	9	45	34	27	41	31	25	26	22
	10	42	31	25	38	29	23	24	20

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	2982	37.1	33.7
90-180	5058	62.9	57.2
0-180	8040	100.0	90.8

Three lamp T8 with slotted top reflector

Candlepower Curve



Report No.: 9903760
 Lamps: 3-F32T8
 Lumens: 2950
 Efficiency: 60.9%
 Cat. No.: EG16T03PG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	242	242	242
175	242	241	241
165	235	233	231
155	222	221	214
145	200	195	209
135	173	182	201
125	137	164	166
115	96	118	122
105	52	64	73
95	20	16	28
85	2	2	4
75	16	20	114
65	105	310	548
55	606	890	1011
45	1062	1300	1373
35	1317	1529	1648
25	1516	1723	1770
15	1641	1835	1891
5	1723	1780	1815
0	1732	1732	1732

Coefficients of utilization

Ceiling	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall									
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	70	70	70	68	68	68	63	63
	1	65	63	61	63	61	59	57	55
	2	60	56	52	58	54	51	50	48
	3	55	50	45	53	48	44	45	42
	4	51	44	39	49	43	38	40	37
	5	47	40	35	45	38	34	36	32
	6	43	36	31	42	35	30	33	29
	7	40	32	27	39	32	27	30	26
	8	37	30	25	36	29	24	27	23
	9	35	27	22	33	26	22	25	21
	10	33	25	20	31	24	20	23	19

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	4600	85.3	52.0
90-180	792	14.7	8.9
0-180	4647	100.0	60.9

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