



Linear suspended

Energos

T8 with lens



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: EG16T01AG041DEW

Family	Style	Distribution	Lamp type	Lamp qty	Lower optic	Top reflector	Length (ft.)	Wiring	Voltage	Ballast	Color
EG	1	6	T		A					E	
EG Energos	1 Standard	6 Direct / Indirect	T T8	01 One lamp 02 Two lamps 03 Three lamps	A Duplex acrylic lens	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.
- Lens:** Clear plastic 5-cell honeycomb lens with linear prismatic bottom surface. Lens curvature matches radius of 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

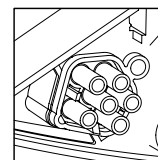
All static ballasts have the following features:

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

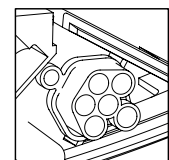
Emergency Battery Pack: Integral Emergency Battery Pack available, consult factory for options & availability

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

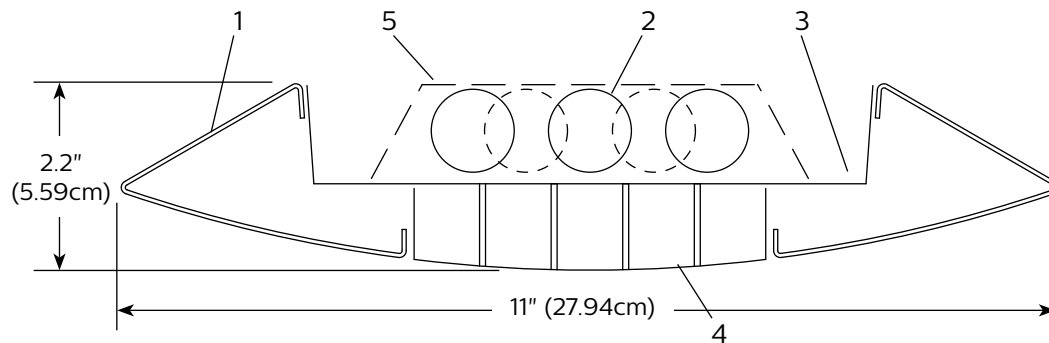
Labels Included

cETLus



EG16T Energos

T8 with lens



Fixture lengths & mounting locations

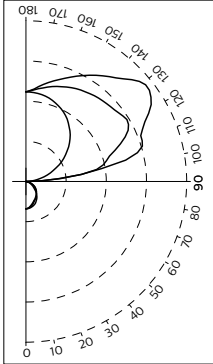
	4' (121.92cm) Run	8' (243.84cm) Run	12' (365.76cm) Run	16' (487.68cm) Run	20' (609.60cm) Run	24' (731.52cm) Run	4' (121.92cm) Module	8' (243.84cm) Module	Ends Set	Cable Joiner
4' (121.92cm) Run							1		1	
8' (243.84cm) Run								1	1	
12' (365.76cm) Run							1	1	1	1
16' (487.68cm) Run								2	1	1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

EG16T Energos

T8 with lens

One lamp T8 with open top

Candlepower Curve



Report No.: 9903744
 Lamps: 1-F32T8
 Lumens: 2950
 Efficiency: 90.6%
 Cat. No.: EG16T01AN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	409	409	409
175	407	419	423
165	394	448	475
155	366	472	530
145	325	489	588
135	274	502	657
125	213	520	670
115	146	481	565
105	83	366	507
95	26	140	154
85	2	2	2
75	11	15	15
65	22	33	35
55	38	50	52
45	60	65	66
35	85	80	79
25	104	94	91
15	117	111	106
5	124	122	121
0	125	125	125

Coefficients of utilization

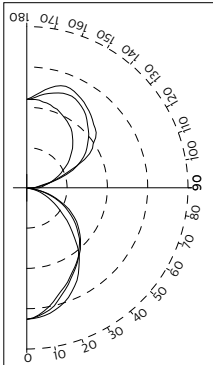
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	89	89	89	77	77	77	56	56
1	81	77	74	70	67	64	49	47	
2	73	67	62	64	59	54	43	40	
3	67	59	53	58	52	46	37	34	
4	61	52	45	53	45	40	33	30	
5	56	46	39	48	40	35	30	26	
6	51	41	34	44	36	30	26	23	
7	47	37	30	41	32	27	24	20	
8	44	33	27	38	29	24	22	18	
9	40	30	24	35	27	21	20	16	
10	38	27	21	33	24	19	18	14	

Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-90	285	10.6	9.6
90-180	2389	89.4	81.0
0-180	2674	100.0	90.6

One lamp T8 with slotted top reflector

Candlepower Curve



Report No.: 9903745
 Lamps: 1-F32T8
 Lumens: 2950
 Efficiency: 43.1%
 Cat. No.: EG16T01AG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	174	174	174
175	174	178	183
165	168	192	206
155	157	198	208
145	143	185	194
135	121	162	176
125	97	137	151
115	70	103	102
105	45	48	44
95	27	15	13
85	3	7	9
75	20	36	41
65	44	72	78
55	75	106	113
45	119	139	141
35	170	167	166
25	210	194	190
15	238	225	218
5	253	250	248
0	255	255	255

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	46	46	46	42	42	42	35	35
1	42	40	38	38	37	35	31	30	
2	38	35	32	35	32	30	27	25	
3	35	31	28	32	28	26	24	22	
4	32	27	24	29	25	22	21	19	
5	29	24	21	27	22	19	19	17	
6	27	22	18	25	20	17	17	15	
7	25	20	16	23	18	15	16	13	
8	23	18	15	21	17	14	14	12	
9	21	16	13	20	15	12	13	11	
10	20	15	12	18	14	11	12	10	

Light Distribution

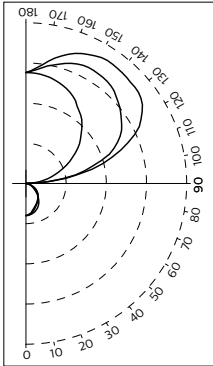
Degrees	Lumens	%Lamp	%Luminaire
0-90	599	47.2	20.3
90-180	671	52.8	22.7
0-180	1270	100.0	43.1

EG16T Energos

T8 with lens

Two lamp T8 with open top

Candlepower Curve



Report No.: 9903751
 Lamps: 2-F32T8
 Lumens: 2950
 Efficiency: 87.4%
 Cat. No.: EG16T02AN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	939	939	939
175	936	966	982
165	907	1045	1117
155	851	1103	1204
145	754	1095	1232
135	643	1040	1208
125	515	949	1159
115	364	824	977
105	216	559	650
95	72	191	200
85	4	0	0
75	24	29	22
65	48	68	65
55	81	106	107
45	131	139	139
35	184	172	167
25	227	203	195
15	255	240	228
5	270	266	263
0	273	273	273

Coefficients of utilization

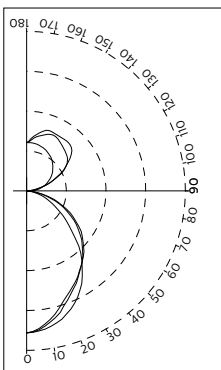
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR									
Zonal cavity method - Effective floor reflectance = 20%									
Room Cavity Ratio	0	86	86	86	75	75	75	54	54
	1	78	74	71	68	65	62	47	46
	2	71	65	60	62	57	53	42	39
	3	65	57	51	56	50	45	37	33
	4	59	50	44	51	44	39	32	29
	5	54	45	38	47	39	34	29	25
	6	50	40	33	43	35	29	26	22
	7	46	36	29	40	31	26	23	20
	8	42	32	26	37	28	23	21	17
	9	39	29	23	34	26	21	19	16
	10	36	27	21	32	24	18	18	14

Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-90	599	11.6	10.1
90-180	4557	88.4	77.3
0-180	5156	89.0	87.4

Two lamp T8 with slotted top reflector

Candlepower Curve



Report No.: 9903762
 Lamps: 2-F32T8
 Lumens: 2950
 Efficiency: 36.5%
 Cat. No.: EG16T02AG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	191	191	191
175	191	201	208
165	186	227	244
155	176	243	251
145	162	228	249
135	142	212	242
125	120	189	192
115	93	130	125
105	65	64	63
95	35	14	15
85	7	14	20
75	45	77	86
65	98	157	166
55	170	232	243
45	262	300	308
35	370	364	362
25	462	425	416
15	524	497	480
5	554	551	545
0	560	560	560

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	40	40	40	37	37	37	33	33
	1	37	35	34	34	33	32	29	28
	2	33	31	28	31	29	27	25	24
	3	30	27	24	28	25	23	22	20
	4	28	24	21	26	22	20	20	18
	5	26	21	18	24	20	17	18	16
	6	24	19	16	22	18	15	16	14
	7	22	17	14	20	16	14	15	12
	8	20	16	13	19	15	12	13	11
	9	19	14	12	18	14	11	12	10
	10	18	13	11	17	13	10	11	9

Light Distribution

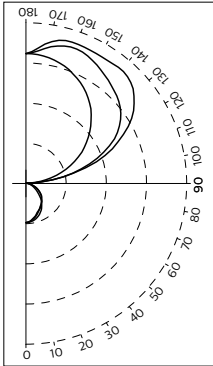
Degrees	Lumens	%Lamp	%Luminaire
0-90	1307	60.6	22.2
90-180	849	39.4	14.3
0-180	2156	100.0	36.5

EG16T Energos

T8 with lens

Three lamp T8 with open top

Candlepower Curve



Report No.: 9903753
 Lamps: 3-F32T8
 Lumens: 2950
 Efficiency: 82.4%
 Cat. No.: EG16T03AN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	1519	1519	1519
175	1513	1557	1590
165	1459	1664	1731
155	1358	1646	1718
145	1220	1546	1708
135	1037	1448	1670
125	832	1302	1480
115	604	1039	1144
105	355	642	697
95	108	174	186
85	8	4	1
75	40	59	54
65	83	126	126
55	139	189	193
45	219	245	249
35	308	300	298
25	379	350	344
15	432	409	400
5	458	453	451
0	463	463	463

Coefficients of utilization

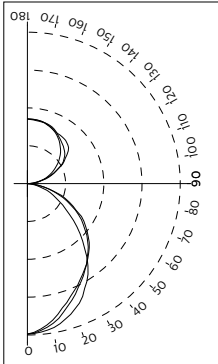
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	81	81	81	71	71	71	52	52
1	74	71	68	65	62	60	46	44	
2	67	62	57	59	54	50	40	38	
3	61	54	49	54	48	43	35	32	
4	56	48	42	49	42	37	31	28	
5	51	42	36	45	37	32	28	24	
6	47	38	32	41	33	28	25	21	
7	43	34	28	38	30	25	23	19	
8	40	31	25	35	27	22	20	17	
9	37	28	22	33	25	20	19	15	
10	35	25	20	30	22	18	17	14	

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	1056	14.5	11.9
90-180	6231	85.5	70.5
0-180	7469	100.0	82.4

Three lamp T8 with slotted top reflector

Candlepower Curve



Report No.: 9903755
 Lamps: 3-F32T8
 Lumens: 2950
 Efficiency: 33.6%
 Cat. No.: EG16T03AG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	342	342	342
175	342	341	339
165	334	334	333
155	312	319	312
145	279	288	304
135	237	261	289
125	188	224	233
115	135	160	160
105	83	84	95
95	36	18	28
85	9	22	24
75	62	113	115
65	142	222	234
55	236	332	348
45	375	429	441
35	532	521	520
25	659	606	596
15	742	704	681
5	789	780	772
0	797	797	797

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	37	37	37	35	35	35	30	30
1	34	32	31	32	30	29	27	26	
2	31	28	26	29	27	25	23	22	
3	28	25	22	26	23	21	21	19	
4	26	22	19	24	21	18	18	16	
5	24	20	17	22	19	16	17	14	
6	22	18	15	20	17	14	15	13	
7	20	16	13	19	15	13	14	12	
8	19	15	12	18	14	11	12	10	
9	18	13	11	16	13	10	11	9	
10	16	12	10	15	12	9	11	9	

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	1861	62.6	21.0
90-180	1112	37.4	12.6
0-180	7469	87.0	33.6

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