



Linear suspended

Energos

T5 or T5HO 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: EG16F02PN041DEW

Family	Style	Distribution	Lamp type	Lamp qty	Lower optic	Top reflector	Length (ft.)	Wiring	Voltage	Ballast	Color
EG	1	6	<input type="checkbox"/>	<input type="checkbox"/>	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E	<input type="checkbox"/>
EG Energos	1 Standard	6 Direct / Indirect	F T5 H T5HO	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 T5 or T5HO 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

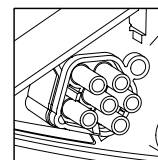
All static ballasts have the following features:

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

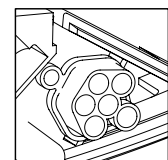
Emergency Battery Pack: Integral Emergency Battery Pack available, consult factory for options & availability

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

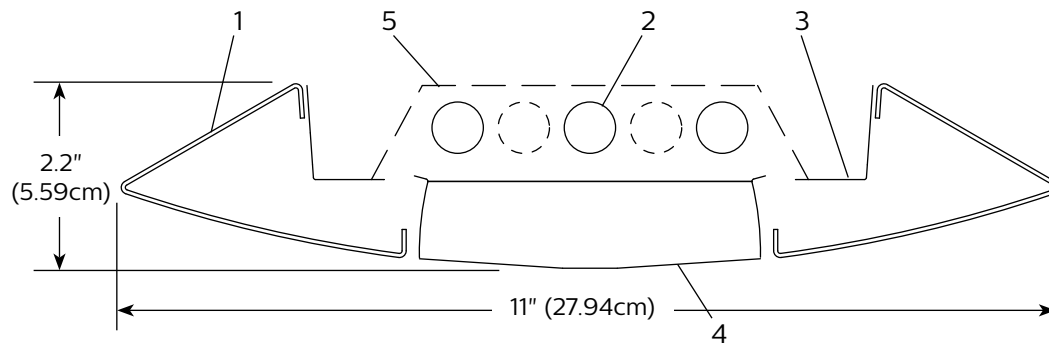
Labels Included

cETLus



EG16F/H Energos

T5 or T5HO with louver



Fixture lengths & mounting locations

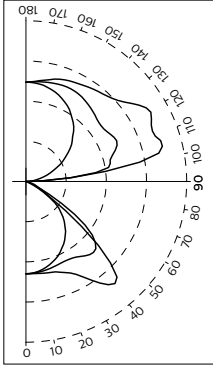
	4' (121.92cm) Run	8' (243.84cm) Run	12' (365.76cm) Run	16' (487.68cm) Run	20' (609.60cm) Run	24' (731.52cm) Run	4' (121.92cm) Module	8' (243.84cm) Module	Ends Set	Cable Joiner
4' (121.92cm) Run							1		1	
8' (243.84cm) Run								1	1	
12' (365.76cm) Run							1	1	1	1
16' (487.68cm) Run								2	1	1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

EG16F/H Energos

T5 or T5HO with louver

One lamp T5HO with open top

Candlepower Curve



Report No.: 9903805
 Lamps: 1-FP54/835/HO
 Lumens: 4500
 Efficiency: 88.4%
 Cat. No.: EG16H01PN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	518	518	518
175	515	522	524
165	495	530	553
155	458	533	571
145	403	515	588
135	331	490	612
125	256	477	693
115	170	502	694
105	91	437	708
95	26	224	230
85	1	0	1
75	5	5	21
65	24	52	64
55	143	298	165
45	264	496	599
35	343	477	646
25	406	458	526
15	451	469	490
5	477	479	482
0	481	481	481

Coefficients of utilization

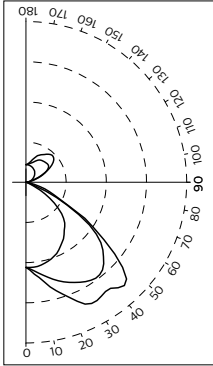
Ceiling	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall									
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	91	91	91	82	82	82	66	66
	1	84	80	77	76	73	70	58	57
	2	77	71	66	69	64	60	52	49
	3	70	62	56	63	57	52	46	42
	4	64	55	49	58	50	45	41	37
	5	59	49	42	53	45	39	36	32
	6	54	44	37	49	40	34	33	28
	7	50	40	33	45	36	30	30	25
	8	46	36	29	42	33	27	27	23
	9	43	33	26	39	30	24	24	20
	10	40	30	24	36	27	22	22	18

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	1329	33.4	29.5
90-180	2650	66.6	58.9
0-180	4668	100.0	88.4

One lamp T5HO with slotted top reflector

Candlepower Curve



Report No.: 9903806
 Lamps: 1-FP54/835/HO
 Lumens: 4500
 Efficiency: 65.9%
 Cat. No.: EG16H01PG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	126	126	126
175	126	129	131
165	121	143	167
155	112	171	214
145	101	190	245
135	85	196	263
125	66	190	217
115	46	128	117
105	27	48	30
95	10	11	7
85	1	1	2
75	7	10	59
65	31	151	211
55	200	533	570
45	366	755	980
35	457	839	955
25	535	792	963
15	586	719	805
5	610	637	661
0	610	610	610

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	75	75	75	71	71	71	65	65
	1	69	67	64	66	64	62	58	57
	2	64	59	55	60	56	53	52	49
	3	58	52	47	55	50	46	46	42
	4	53	46	41	51	44	40	41	37
	5	49	41	36	46	40	35	36	32
	6	45	37	31	43	35	30	33	28
	7	42	33	28	40	32	27	30	25
	8	39	30	25	37	29	24	27	23
	9	36	27	22	34	26	22	25	20
	10	33	25	20	32	24	20	23	18

Light Distribution

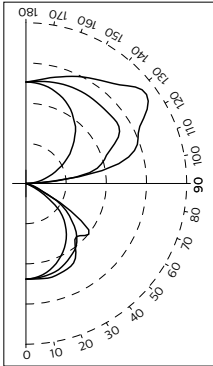
Degrees	Lumens	% Lamp	% Luminaire
0-90	2275	76.7	50.6
90-180	692	23.3	15.3
0-180	2132	100.0	65.9

EG16F/H Energos

T5 or T5HO with louver

Two lamp T5HO with open top

Candlepower Curve



Report No.: 9903803
 Lamps: 2-FP54/835/HO
 Lumens: 4500
 Efficiency: 91.3%
 Cat. No.: EG16H02PN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	1123	1123	1123
175	1118	1134	1144
165	1080	1158	1218
155	1002	1174	1307
145	882	1177	1393
135	736	1173	1530
125	573	1182	1591
115	380	1042	1321
105	212	832	1133
95	72	324	281
85	3	1	2
75	11	11	51
65	51	161	172
55	302	524	718
45	575	757	817
35	749	903	928
25	885	981	1044
15	991	1035	1074
5	1049	1055	1062
0	1058	1058	1058

Coefficients of utilization

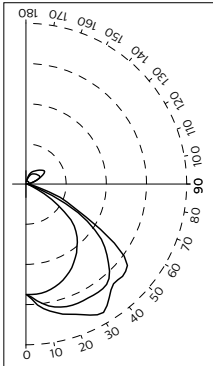
Ceiling	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall									
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	94	94	94	84	84	84	67	67
	1	86	83	79	77	74	72	59	58
	2	79	73	67	71	66	61	53	50
	3	72	64	58	65	58	53	47	43
	4	66	57	50	59	51	46	41	37
	5	60	50	43	54	46	40	37	33
	6	56	45	38	50	41	35	33	29
	7	51	41	34	46	37	31	30	26
	8	48	37	30	43	34	28	27	23
	9	44	33	27	40	31	25	25	21
	10	41	31	24	37	28	22	23	19

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	2616	31.8	29.1
90-180	5600	68.2	62.2
0-180	8216	100.0	91.3

Two lamp T5HO with slotted top reflector

Candlepower Curve



Report No.: 9903804
 Lamps: 2-FP54/835/HO
 Lumens: 4500
 Efficiency: 60.8%
 Cat. No.: EG16H02PG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	31	31	31
175	32	44	49
165	33	87	123
155	35	136	176
145	37	160	211
135	37	177	253
125	36	190	278
115	34	176	182
105	28	76	81
95	14	14	11
85	2	2	5
75	14	22	116
65	86	355	564
55	478	1048	1343
45	876	1452	1702
35	1095	1667	1808
25	1267	1679	1885
15	1386	1660	1756
5	1441	1529	1583
0	1441	1441	1441

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	71	71	71	68	68	68	63	63
	1	65	63	61	63	61	59	57	55
	2	60	56	52	58	54	51	51	48
	3	55	49	45	53	48	44	45	42
	4	50	44	39	49	43	38	40	36
	5	46	39	34	45	38	33	36	32
	6	43	35	30	41	34	29	32	28
	7	40	32	27	38	31	26	29	25
	8	37	29	24	35	28	23	27	23
	9	34	26	22	33	26	21	24	20
	10	32	24	20	31	24	19	22	19

Light Distribution

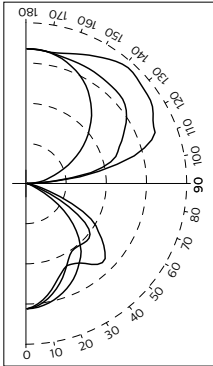
Degrees	Lumens	% Lamp	% Luminaire
0-90	4784	87.4	53.2
90-180	691	12.6	7.6
0-180	4064	100.0	60.8

EG16F/H Energos

T5 or T5HO with louver

Three lamp T5HO with open top

Candlepower Curve



Report No.: 9903813
 Lamps: 3-FP54/835/HO
 Lumens: 4500
 Efficiency: 92.3%
 Cat. No.: EG16HO3PN
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	1930	1930	1930
175	1923	1924	1920
165	1854	1880	1932
155	1715	1858	2029
145	1505	1830	2136
135	1243	1802	2140
125	948	1675	2077
115	629	1439	1926
105	327	1195	1529
95	109	350	398
85	4	2	4
75	17	20	135
65	90	342	681
55	524	974	1199
45	960	1164	1523
35	1288	1140	1398
25	1512	1296	1298
15	1676	1563	1490
5	1780	1756	1730
0	1795	1795	1795

Coefficients of utilization

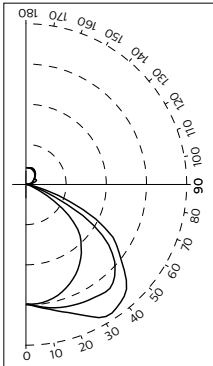
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	95	95	95	86	86	86	68	68
1	87	84	80	79	76	73	61	59	
2	80	73	68	72	66	62	53	50	
3	73	65	58	65	59	53	47	43	
4	67	57	50	60	52	46	42	38	
5	61	51	44	55	46	40	37	33	
6	56	45	38	50	41	35	34	29	
7	52	41	34	47	37	31	30	26	
8	48	37	30	43	34	28	28	23	
9	44	34	27	40	31	25	25	21	
10	41	31	24	37	28	22	23	19	

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	4178	33.5	30.9
90-180	8278	66.5	61.4
0-180	12456	100.0	92.3

Three lamp T5HO with slotted top reflector

Candlepower Curve



Report No.: 9903814
 Lamps: 3-FP54/835/HO
 Lumens: 4500
 Efficiency: 65.8%
 Cat. No.: EG16HO3PG
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	337	337	337
175	336	336	337
165	326	337	348
155	300	329	330
145	265	288	279
135	224	230	223
125	172	169	188
115	119	135	207
105	65	108	141
95	22	20	44
85	3	4	7
75	25	38	208
65	151	595	1202
55	841	1791	2126
45	1465	2423	2735
35	1826	2658	3042
25	2114	2622	2945
15	2322	2572	2663
5	2418	2469	2485
0	2417	2417	2417

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	76	76	74	74	74	69	69
1	71	68	66	68	66	64	62	60
2	65	60	56	63	58	55	55	52
3	59	53	48	57	51	47	48	45
4	54	47	42	52	46	41	43	39
5	50	42	36	48	41	36	39	34
6	46	38	32	44	37	31	35	30
7	43	34	28	41	33	28	31	27
8	39	31	25	38	30	25	29	24
9	37	28	23	35	27	23	26	22
10	34	26	21	33	25	20	24	20

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	7819	88.0	57.9
90-180	1063	12.0	7.9
0-180	8882	100	65.8

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