



Linear suspended

Energos

T5 or T5HO 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: EG16F02AH041DEW

Family	Style	Distribution	Lamp type	Lamp qty	Lower optic	Top reflector	Length (ft.)	Wiring	Voltage	Ballast	Color
<b>EG</b>	<b>1</b>	<b>6</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>A</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>E</b>	<input type="checkbox"/>
EG Energos	1 Standard	6 Direct / Indirect	F T5 H T5HO	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 <sup>1</sup>	E Standard electronic	W White A Aluminum X Custom color

<sup>1</sup> 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.
- 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**

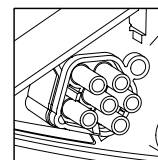
All static ballasts have the following features:

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

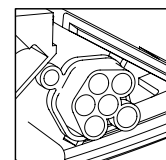
**Emergency Battery Pack:** Integral Emergency Battery Pack available, consult factory for options & availability

**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

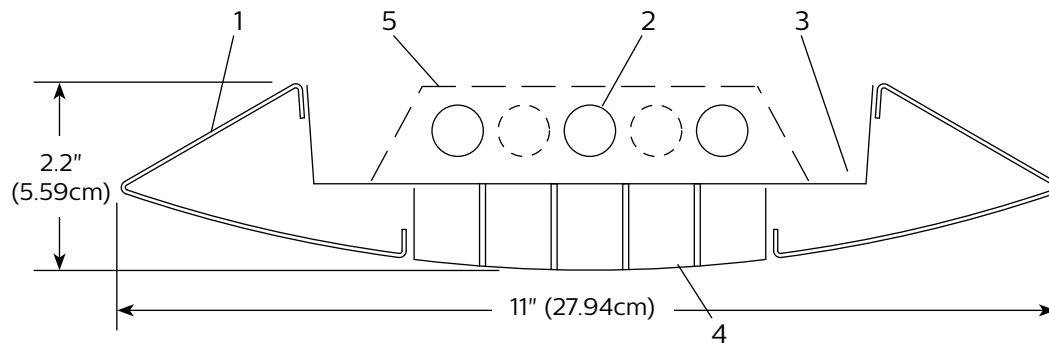
**Labels Included**

cETLus



# EG16F/H Energos

T5 or T5HO with lens



## Fixture lengths & mounting locations

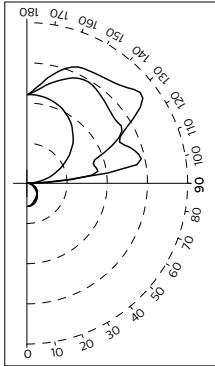
	4' (121.92cm) Module	8' (243.84cm) Module	Ends Set	Cable Joiner
<b>4' (121.92cm) Run</b> 	1		1	
<b>8' (243.84cm) Run</b> 		1	1	
<b>12' (365.76cm) Run</b> 	1	1	1	1
<b>16' (487.68cm) Run</b> 		2	1	1
<b>20' (609.60cm) Run</b> 	1	2	1	2
<b>24' (731.52cm) Run</b> 		3	1	2

# EG16F/H Energos

T5 or T5HO with lens

## One lamp T5HO with open top

Candlepower Curve



Report No.: 9903807  
 Lamps: 1-FP54/835/HO  
 Lumens: 4500  
 Efficiency: 89.6%  
 Cat. No.: EG16H01AN  
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	635	635	635
175	634	665	688
165	616	755	831
155	579	829	907
145	521	821	921
135	443	777	968
125	349	757	946
115	245	643	697
105	143	476	792
95	40	306	267
85	3	5	5
75	15	24	28
65	30	48	52
55	51	69	75
45	81	88	92
35	115	107	108
25	138	126	124
15	155	148	143
5	164	163	162
0	166	166	166

Coefficients of utilization

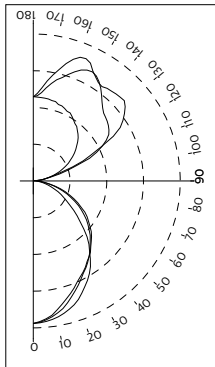
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	87	87	87	76	76	76	55	55
1	80	76	73	69	66	63	48	46	
2	72	66	61	63	58	54	42	39	
3	66	58	52	57	51	46	37	33	
4	60	51	45	52	45	39	32	29	
5	55	45	39	48	40	34	29	25	
6	51	40	34	44	35	30	26	22	
7	47	36	30	40	32	26	23	19	
8	43	33	26	37	29	23	21	17	
9	40	30	23	35	26	21	19	15	
10	37	27	21	32	24	19	17	14	

Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-90	392	9.7	8.7
90-180	3641	90.3	80.9
0-180	4548	100.0	89.6

## One lamp T5HO with slotted top reflector

Candlepower Curve



Report No.: 9903808  
 Lamps: 1-FP54/835/HO  
 Lumens: 4500  
 Efficiency: 42.9%  
 Cat. No.: EG16H01AG  
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	223	223	223
175	222	235	248
165	218	284	323
155	204	325	345
145	185	300	306
135	162	254	314
125	128	236	280
115	91	178	164
105	51	69	55
95	17	16	20
85	5	11	13
75	31	54	58
65	69	105	114
55	114	158	168
45	182	205	210
35	254	248	248
25	311	288	283
15	354	337	326
5	376	372	369
0	380	380	380

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	27	32	28	25	24	22	
4	32	27	24	29	25	22	21	19	
5	29	24	21	27	22	19	19	16	
6	27	22	18	24	20	17	17	15	
7	25	20	16	23	18	15	15	13	
8	23	18	14	21	16	13	14	12	
9	21	16	13	20	15	12	13	11	
10	20	15	12	18	14	11	12	10	

Light Distribution

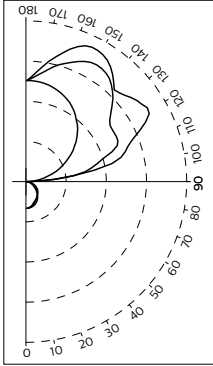
Degrees	Lumens	%Lamp	%Luminaire
0-90	890	46.1	19.8
90-180	1041	53.9	23.1
0-180	1931	100.0	42.9

# EG16F/H Energos

T5 or T5HO with lens

## Two lamp T5HO with open top

Candlepower Curve



Report No.: 9903801  
 Lamps: 2-FP54/835/HO  
 Lumens: 4500  
 Efficiency: 89.9%  
 Cat. No.: EG16H02AN  
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	1383	1383	1383
175	1379	1455	1508
165	1334	1658	1823
155	1246	1814	2029
145	1113	1814	1918
135	940	1603	1720
125	743	1338	1846
115	517	1322	1631
105	281	961	1283
95	84	396	361
85	6	11	13
75	31	53	58
65	65	104	113
55	111	151	164
45	177	196	203
35	246	237	236
25	303	279	272
15	341	326	313
5	362	359	354
0	365	365	365

Coefficients of utilization

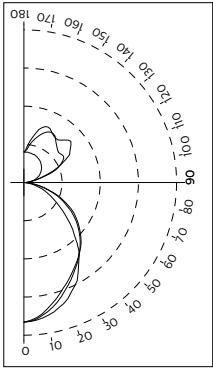
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	88	88	88	77	77	77	55	55
1	80	76	73	69	67	64	48	47	
2	73	67	61	63	58	54	42	40	
3	66	58	52	57	51	46	37	34	
4	61	52	45	52	45	40	33	29	
5	55	46	39	48	40	34	29	25	
6	51	41	34	44	36	30	26	22	
7	47	37	30	41	32	26	24	20	
8	43	33	26	38	29	23	21	18	
9	40	30	24	35	26	21	19	16	
10	37	27	21	32	24	19	18	14	

Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-90	862	10.6	9.6
90-180	7228	89.4	80.3
0-180	8090	100.0	89.9

## Two lamp T5HO with slotted top reflector

Candlepower Curve



Report No.: 9903802.ies  
 Lamps: 2-FP54/835/HO  
 Lumens: 4500  
 Efficiency: 34.6%  
 Cat. No.: EG16H02AG  
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	183	183	183
175	183	200	220
165	178	278	328
155	172	334	355
145	160	317	322
135	141	274	359
125	120	277	322
115	95	220	215
105	63	93	84
95	23	18	21
85	11	22	23
75	68	117	122
65	149	236	248
55	250	350	366
45	396	455	464
35	552	549	545
25	687	641	625
15	776	742	720
5	827	821	813
0	836	836	836

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

Light Distribution

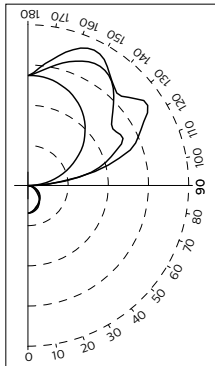
Degrees	Lumens	%Lamp	%Luminaire
0-90	1962	63.1	21.8
90-180	1149	36.9	12.8
0-180	3111	100.0	34.6

# EG16F/H Energos

T5 or T5HO with lens

## Three lamp T5HO with open top

Candlepower Curve



Report No.: 9903809  
 Lamps: 3-FP54/835/HO  
 Lumens: 4500  
 Efficiency: 89.1%  
 Cat. No.: EG16HO3AN  
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	2225	2225	2225
175	2221	2308	2384
165	2153	2565	2790
155	2020	2759	3018
145	1819	2718	2748
135	1551	2333	2554
125	1247	1999	2825
115	888	1992	2355
105	524	1423	1603
95	148	411	383
85	10	16	16
75	50	78	83
65	101	159	166
55	169	233	250
45	265	302	312
35	369	367	368
25	453	426	422
15	514	492	481
5	548	542	536
0	554	554	554

Coefficients of utilization

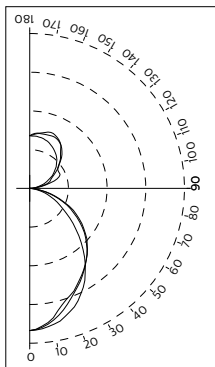
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	87	87	87	76	76	76	55	55
1	79	76	73	69	66	63	48	46	
2	72	66	61	63	58	54	42	39	
3	66	58	52	57	51	46	37	34	
4	60	51	45	52	45	39	33	29	
5	55	45	39	48	40	34	29	25	
6	50	40	34	44	35	30	26	22	
7	46	36	30	40	32	26	23	20	
8	43	33	26	37	29	23	21	17	
9	40	30	23	35	26	21	19	16	
10	37	27	21	32	24	19	18	14	

Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-90	1313	10.9	9.7
90-180	10718	89.1	79.4
0-180	13536	100.0	89.1

## Three lamp T5HO with slotted top reflector

Candlepower Curve



Report No.: 9903810.ies  
 Lamps: 3-FP54/835/HO  
 Lumens: 4500  
 Efficiency: 30.5%  
 Cat. No.: EG16HO3AG  
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	421	421	421
175	420	434	440
165	411	447	463
155	384	453	468
145	346	420	420
135	294	347	336
125	231	258	264
115	159	184	259
105	88	135	161
95	25	23	45
85	16	28	34
75	98	155	169
65	209	318	336
55	344	472	491
45	536	618	626
35	747	748	745
25	931	870	857
15	1059	1005	964
5	1126	1114	1105
0	1136	1136	1136

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

Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-90	2664	64.6	19.7
90-180	1460	35.4	80.3
0-180	4124	100.0	100.0

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