



Linear suspended

Energos

3 lamp T5/HO with louver and Up/Down light reflector



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: EG16H03PY082DEW

Family	Style	Distribution	Lamp type	Lamp qty	Lower optic	Top reflector	Length (ft.)	Wiring	Voltage	Ballast	Color
EG	1	6	<input type="checkbox"/>	03	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	03 Three lamps	Y 2 down / 1 up kit Z 1 down / 2 up kit	P Parabolic louver	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:** 3 T5 or T5HO fluorescent lamps 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.
- Primarily Indirect Reflector:** Precision die-formed anti-iridescent, highly reflective aluminum. This configuration has 66% of the light reflected up and 33% of the light reflected down.

- Primarily Direct Reflector:** Precision die-formed anti-iridescent, highly reflective aluminum. This configuration has 33% of the light reflected up and 66% of the light reflected down.

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.

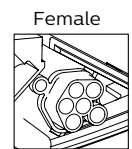
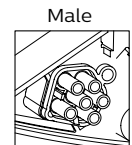
Electrical

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

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.



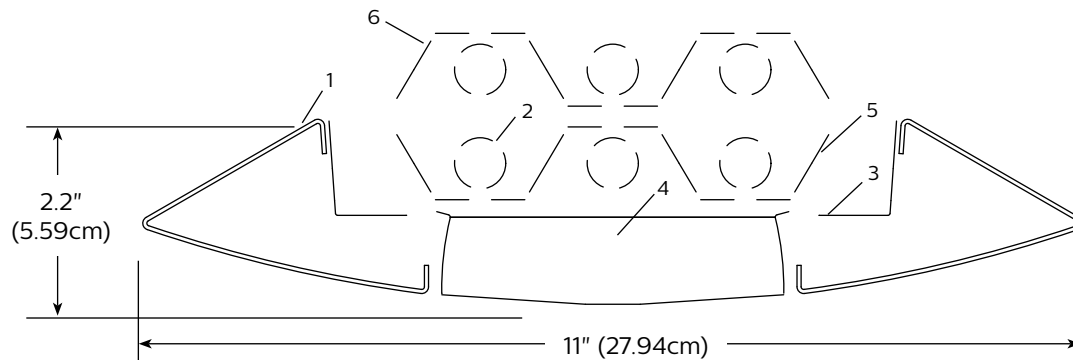
Labels Included

cETLus



EG16F/H03P Energos

3 lamp T5/HO with louver and up/down reflector



Fixture lengths & mounting locations

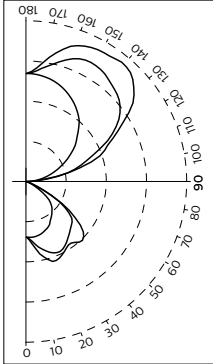
	4' (121.92cm) Run	8' (243.84cm) Run	12' (365.76cm) Run	16' (487.68cm) Run	20' (609.60cm) Run	24' (731.52cm) Run
	4' (121.92cm) Run	8' (243.84cm) Run	12' (365.76cm) Run	16' (487.68cm) Run	20' (609.60cm) Run	24' (731.52cm) Run
	1		1		1	
		1	1	2	2	3
			1	1	1	1
				1	1	1
					1	2
						1
						2

EG16F/H03P Energos

3 lamp T5/HO with louver and up/down reflector

Three lamp T5HO with 2 Up, 1 Down

Candlepower Curve



Report No.: 9903815
 Lamps: 3-FP54/835/HO
 Lumens: 4500
 Efficiency: 72.5%
 Cat. No.: EG16H03PZ
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	1549	1549	1549
175	1542	1592	1636
165	1486	1779	1964
155	1376	1921	2119
145	1223	1883	2143
135	1007	1767	2073
125	781	1555	1723
115	527	1123	1236
105	296	696	763
95	86	156	134
85	3	0	1
75	11	7	25
65	53	169	119
55	265	648	719
45	489	878	1116
35	603	994	1074
25	715	1104	1160
15	777	1027	1156
5	801	855	897
0	797	797	797

Coefficients of utilization

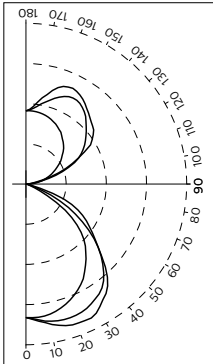
Ceiling	80%			70%			50%		
Wall	70	50	30	70	50	30	50	30	
RCR									
Zonal cavity method - Effective floor reflectance = 20%									
Room Cavity Ratio	0	74	74	74	66	66	66	52	52
	1	68	65	62	61	58	56	46	45
	2	62	57	53	55	51	48	41	38
	3	57	50	45	51	45	41	36	33
	4	52	44	39	46	40	36	32	29
	5	47	40	34	42	36	31	28	25
	6	44	35	30	39	32	27	26	22
	7	40	32	26	36	29	24	23	20
	8	37	29	23	33	26	21	21	17
	9	35	26	21	31	24	19	19	16
	10	32	24	19	29	22	17	17	14

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	2795	28.6	20.7
90-180	6992	71.4	51.8
0-180	9787	100.0	72.5

Three lamp T5HO with 1 Up, 2 Down

Candlepower Curve



Report No.: 9903816
 Lamps: 3-FP54/835/HO
 Lumens: 4500
 Efficiency: 55.0%
 Cat. No.: EG16H03PY
 25°C Rating

Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
180	813	813	813
175	811	843	865
165	788	961	1074
155	736	1069	1171
145	655	1037	1088
135	561	900	976
125	445	756	854
115	315	567	537
105	196	245	170
95	67	19	12
85	3	2	4
75	15	20	70
65	95	289	532
55	505	727	818
45	865	1124	1135
35	1097	1403	1478
25	1293	1519	1635
15	1419	1552	1622
5	1480	1508	1523
0	1478	1478	1478

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	59	59	59	55	55	55	47	47
	1	55	53	51	51	49	47	42	41
	2	50	46	43	46	43	40	37	35
	3	46	41	37	43	38	35	33	31
	4	42	36	32	39	34	30	30	27
	5	39	33	28	36	30	27	26	24
	6	36	29	25	33	27	24	24	21
	7	33	26	22	31	25	21	22	19
	8	31	24	20	28	23	19	20	17
	9	29	22	18	26	21	17	18	15
	10	27	20	16	25	19	15	17	14

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-90	3969	53.4	29.4
90-180	3459	44.6	25.6
0-180	9370	100.0	55.0

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